

Appendix O. Model Input / Results

DRAFT



O.1 Existing Model Input

DRAFT



Manual Basin: B01

Scenario: Existing
Node: N01
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 6.2808 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.6768	8100	A	97483		
0.2768	1400	A	97483		
0.3273	1300	A	97483		

Comment:

Manual Basin: B02

Scenario: Existing
Node: N02
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 15.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 10.5481 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.3351	1800	A	97483		
1.0137	8100	A	97483		
7.1993	1300	A	97483		

Comment:

Manual Basin: B03

Scenario: Existing
Node: N03
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.5433 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4172	1800	A	97483		
0.1261	8100	A	97483		

Comment:

Manual Basin: B04

Scenario: Existing
Node: N04

Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.8159 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8159	8100	A	97483		

Comment:

Manual Basin: B07

Scenario: Existing
 Node: N07A
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 25.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 14.7781 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
14.6197	1300	A	97483		
0.1584	1400	A	97483		

Comment:

Manual Basin: B08

Scenario: Existing
 Node: N08A
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 35.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 31.4228 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
31.1525	1300	A	97483		
0.2703	1400	A	97483		

Comment:

Manual Basin: B08B

Scenario: Existing
 Node: N08A
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.0349 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0349	8100	A	97483		

Comment: LOAD TO B08

Manual Basin: B08C

Scenario: Existing
 Node: N08A
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.0990 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0990	8100	A	97483		

Comment: LOAD TO B08

Manual Basin: B09

Scenario: Existing
 Node: N09
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 20.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.9669 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.9669	1300	A	97483		

Comment:

Manual Basin: BPondA

Scenario: Existing
 Node: PondA
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.0901 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4624	8100	A	97483		
1.6925	1400	A	97483		
0.1386	1300	A	97483		
2.2431	1800	A	97483		
0.5535	6440	A	97483		

Comment:

Manual Basin: BPondB

Scenario: Existing
 Node: PondB
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 50.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 48.0023 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
32.9961	1300	A	97483		
12.1657	1400	A	97483		
1.4731	8100	A	97483		
0.0279	1300	W	97483		
0.1133	5300	A	97483		
1.2262	5300	W	97483		

Comment:

Manual Basin: BSH02

Scenario: Existing
 Node: NSH02
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.5330 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0097	1300	A	97483		
3.5233	1400	A	97483		

Comment:

Manual Basin: BSH04

Scenario: Existing
 Node: NSH04
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.4090 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4149	1400	A	97483		
0.0381	1800	A	97483		
3.9560	1300	A	97483		

Comment:

Manual Basin: BSH05

Scenario: Existing
Node: NSH05
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.8861 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6585	1300	A	97483		
1.2262	1400	A	97483		
0.0014	8100	A	97483		

Comment:

Manual Basin: BSH07

Scenario: Existing
Node: NSH07
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 10.7990 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2498	8100	A/D	97483		
3.8947	1300	A/D	97483		
6.6544	1300	A	97483		

Comment:

Manual Basin: BSH08

Scenario: Existing
 Node: NSH08
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 15.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.9392 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.4212	1300	A/D	97483		
0.0130	8100	A/D	97483		
0.5050	1400	A/D	97483		

Comment:

Manual Basin: BSH09

Scenario: Existing
 Node: NSH09
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 15.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.1973 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0563	8100	A/D	97483		
4.8862	1300	A/D	97483		
1.2547	1300	A	97483		

Comment:

Manual Basin: BSH10

Scenario: Existing
 Node: NSH10
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 20.0000 min
 Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.8885 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.8629	1300	A	97483		
0.0256	1400	A	97483		

Comment:

Manual Basin: BSH11

Scenario: Existing
 Node: NSH11
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.0211 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8987	1400	A	97483		
0.1224	8100	A	97483		

Comment: ERP EXEMPTION APP 669807 - HARD TO VERIFY ROOF DRAINAGE IN PLANS

Manual Basin: BSH12

Scenario: Existing
 Node: NSH12
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.4461 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8827	1300	A	97483		
0.5634	1400	A	97483		

Comment:

Manual Basin: BSH13

Scenario: Existing
Node: NSH13
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 15.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.4774 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0932	1300	A/D	97483		
3.7342	1300	A	97483		
0.0973	1400	A/D	97483		
0.5526	1400	A	97483		

Comment:

Manual Basin: BSH14

Scenario: Existing
Node: NSH14
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.4353 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4353	1400	A/D	97483		

Comment: FLUME ON HOWARD GOES TO SMALL POND

Manual Basin: BSH15

Scenario: Existing
Node: NSH15

Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.7266 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4609	1300	A/D	97483		
0.2657	1400	A/D	97483		

Comment:

Manual Basin: BSH17

Scenario: Existing
 Node: NSH17
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.7972 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0046	1300	A/D	97483		
0.7926	1400	A/D	97483		

Comment:

Manual Basin: BSH18

Scenario: Existing
 Node: NSH18
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.4230 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1927	1300	A/D	97483		
0.2303	1400	A/D	97483		

Comment:

Manual Basin: BSH19

Scenario: Existing
Node: NSH19
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.9807 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.7503	1300	A/D	97483		
0.2079	1700	A/D	97483		
0.0225	1400	A/D	97483		

Comment:

Manual Basin: BSH21

Scenario: Existing
Node: NSH21
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.2953 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.2944	1300	A/D	97483		
1.0009	1700	A/D	97483		

Comment:

Manual Basin: BSH22

Scenario: Existing
 Node: NSH22
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.5684 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.6511	1300	A/D	97483		
0.9172	1400	A/D	97483		

Comment:

Manual Basin: BSH23

Scenario: Existing
 Node: NSH23
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.5052 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0241	8100	A/D	97482		
0.0281	1300	A/D	97482		
2.2879	1300	A/D	97483		
0.1652	8100	A/D	97483		

Comment:

Manual Basin: BSH24

Scenario: Existing
 Node: NSH24
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.9455 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9455	1300	A/D	97483		

Comment:

Manual Basin: BSH25

Scenario: Existing
 Node: NSH25
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 15.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.0280 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.7885	1300	A/D	97482		
2.1317	1300	A/D	97483		
0.1078	8100	A/D	97482		

Comment:

Manual Basin: BSH26

Scenario: Existing
 Node: NSH26
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 20.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.3652 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.2907	1300	A/D	97482		
3.0620	1300	A/D	97483		
0.0125	8100	A/D	97482		

Comment:

Manual Basin: BSH27

Scenario: Existing
Node: NSH27
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.9349 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9349	1300	A/D	97483		

Comment:

Manual Basin: BSH28

Scenario: Existing
Node: NSH28
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.7975 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.7975	1300	A/D	97483		

Comment:

Manual Basin: BSH29

Scenario: Existing
Node: NSH29
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number

Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.7974 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1631	8100	A/D	97482		
2.6343	1300	A/D	97482		

Comment:

Manual Basin: BSH33

Scenario: Existing
 Node: NSH33
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.5883 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.5776	1400	A/D	97483		
0.0106	1300	A/D	97483		

Comment:

Manual Basin: BSH34

Scenario: Existing
 Node: NSH34
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 20.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.5228 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0173	8100	A/D	97482		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3121	8100	A/D	97483		
6.8821	1300	A/D	97482		
3.3113	1300	A/D	97483		

Comment:

Manual Basin: BSH35

Scenario: Existing
Node: NSH35
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.2961 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3325	8100	A/D	97483		
0.9636	1300	A/D	97483		

Comment:

Manual Basin: BSH37

Scenario: Existing
Node: NSH37
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.9038 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9087	1400	A/D	97483		
0.2042	1400	A	97483		
0.0080	1300	A/D	97483		
0.7828	1300	A	97483		

Comment:

Manual Basin: BSH41

Scenario: Existing
 Node: NSH41
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.1428 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.0916	1400	A	97483		
0.0512	8100	A	97483		

Comment:

Manual Basin: BSH41B

Scenario: Existing
 Node: NSH41
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.0846 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0846	8100	A	97483		

Comment: LOAD TO BSH41

Manual Basin: BSH42

Scenario: Existing
 Node: NSH42
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 0.2787 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2787	8100	A/D	97483		

Comment:

Manual Basin: BSH43

Scenario: Existing
 Node: NSH43
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 15.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 0.2770 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0822	8100	A/D	97483		
0.1948	1300	A/D	97483		

Comment: Assume Harbor House roof drains to Bayshore system

Manual Basin: BSH44

Scenario: Existing
 Node: NSH44
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 3.4203 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9634	1300	A/D	97483		
0.4569	1300	A/D	97482		

Comment:

Manual Basin: BSH45

Scenario: Existing
 Node: NSH45
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 20.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.4369 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.1504	1300	A/D	97483		
6.2855	1300	A	97483		
0.0010	1400	A/D	97483		

Comment:

Manual Basin: BSH48

Scenario: Existing
 Node: NSH48
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.3943 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.1122	1300	A/D	97483		
0.1388	1300	A	97483		
0.1255	1400	A	97483		
0.0045	8100	A/D	97483		
0.0132	8100	A	97483		

Comment:

Manual Basin: BSH49

Scenario: Existing
 Node: NSH49
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number

Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.9069 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.1755	1400	A	97483		
0.0118	8100	A	97483		
0.7196	1300	A	97483		

Comment:

Manual Basin: BSH50

Scenario: Existing
 Node: NSH50
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.5388 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.0556	1400	A	97483		
0.4832	1300	A	97483		

Comment:

Manual Basin: BSH51

Scenario: Existing
 Node: NSH51
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.5541 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9882	1300	A	97483		
2.5964	1400	A	97483		
1.3563	1400	A/D	97483		
1.1038	1400	A/D	97957		
0.5094	1300	A/D	97957		

Comment:

Manual Basin: BSH52

Scenario: Existing
Node: NSH52
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.3534 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.8258	1400	A	97483		
0.5276	1300	A	97483		

Comment:

Manual Basin: BSH54

Scenario: Existing
Node: NSH54
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.0267 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8027	1400	A	97483		
0.2240	1300	A	97483		

Comment:

Manual Basin: BSH55

Scenario: Existing
 Node: NSH55
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.0279 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5658	1400	A	97483		
0.0658	1700	A	97483		
1.3963	1300	A	97483		

Comment:

Manual Basin: BSH57

Scenario: Existing
 Node: NSH57
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.4444 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7578	1400	A	97483		
0.6866	1300	A	97483		

Comment:

Manual Basin: BSH60

Scenario: Existing
 Node: NSH60
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.7800 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0349	1300	A	97483		
3.7452	1400	A	97483		

Comment:

Manual Basin: BSH65

Scenario: Existing
 Node: NSH65
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.0295 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.0103	1300	A	97483		
0.0192	1400	A	97483		

Comment:

Manual Basin: BSH75

Scenario: Existing
 Node: NSH75
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 15.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.8995 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1077	8100	A/D	97483		
4.7917	1300	A/D	97483		

Comment:

Manual Basin: BSH80

Scenario: Existing
 Node: NSH80
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.0431 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.0047	1400	A	97483		
0.0384	1300	A	97483		

Comment:

Manual Basin: BSH81

Scenario: Existing
 Node: NSH81
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.1214 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1214	1300	A	97483		

Comment:

Manual Basin: BSH82

Scenario: Existing
 Node: NSH82
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 0.5831 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3085	1300	A	97483		
0.2746	1400	A	97483		

Comment:

Manual Basin: BSH83

Scenario: Existing
 Node: NSH83
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 1.0083 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8594	1300	A	97483		
0.1489	1400	A	97483		

Comment:

Manual Basin: C01

Scenario: Existing
 Node: NC01
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 3.8452 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2308	8100	A/D	97483		
1.4364	1300	A/D	97483		
2.1780	1300	A	97483		

Comment:

Manual Basin: C02

Scenario: Existing
 Node: NC02
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 15.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.8905 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.8905	1300	A	97483		

Comment:

Manual Basin: C03

Scenario: Existing
 Node: NC03
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 15.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.6668 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4080	8100	A	97483		
4.2588	1300	A	97483		

Comment:

Manual Basin: C04

Scenario: Existing
 Node: NC04
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 30.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 16.6895 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7158	8100	A	97483		
0.2304	8100	W	97483		
1.2696	8100	A/D	97483		
13.8017	1300	A	97483		
0.6469	1300	A/D	97483		
0.0252	1400	A	97483		

Comment:

Manual Basin: C05

Scenario: Existing
 Node: NC05
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 25.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 9.3983 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4448	8100	A/D	97483		
0.9282	1300	A/D	97483		
6.8075	1300	A	97483		
0.2179	1400	A	97483		

Comment:

Manual Basin: C06

Scenario: Existing
 Node: NC06
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 25.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 10.2752 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6355	8100	A/D	97483		
0.2698	1300	A/D	97483		
9.3699	1300	A	97483		

Comment:

Manual Basin: C07

Scenario: Existing
Node: NC07
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.4367 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.5225	8100	A/D	97483		
0.1834	1300	A/D	97483		
1.7307	1300	A	97483		

Comment:

Manual Basin: C08

Scenario: Existing
Node: NC08
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 25.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 11.6419 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4416	8100	A/D	97483		
0.2178	1300	A/D	97483		
10.9825	1300	A	97483		

Comment:

Manual Basin: CO1B

Scenario: Existing
 Node: NC01B
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 15.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.1171 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0283	8100	A/D	97483		
0.0171	1300	A/D	97483		
0.1014	8100	A	97483		
5.9703	1300	A	97483		

Comment:

Manual Basin: N11

Scenario: Existing
 Node: N11
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 35.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 30.8804 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
23.4724	1300	A	97483		
0.1644	8100	A	97483		
1.1247	1400	A	97483		
3.7994	1300	A	97957		
2.0112	1400	A	97957		
0.3082	8100	A	97957		

Comment:

Manual Basin: NBB0050

Scenario: Existing
 Node: NBB0050

Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.2282 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.2188	1400	A/D	97008		
0.6620	1300	A/D	97008		
0.3475	8100	A/D	97008		

Comment:

Manual Basin: NBB0070

Scenario: Existing
 Node: NBB0070
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.2083 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4465	8100	A/D	97008		
1.7618	1400	A/D	97008		

Comment:

Manual Basin: NBB0090

Scenario: Existing
 Node: NBB0090
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.8689 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1797	1300	A/D	97008		
2.2962	8100	A/D	97008		
0.3930	1400	A/D	97008		

Comment:

Manual Basin: NBB0110

Scenario: Existing
Node: NBB0110
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.9752 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3413	1300	A/D	97008		
5.6339	1400	A/D	97008		

Comment:

Manual Basin: NBB0130

Scenario: Existing
Node: NBB0130
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 14.3139 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8698	8100	C/D	97008		
0.4592	1300	C/D	97008		
1.0509	1300	B/D	97008		
5.3939	8100	B/D	97008		
0.0990	1700	B/D	97008		
0.0718	1400	B/D	97008		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2484	1400	A/D	97008		
4.0887	8100	A/D	97008		
1.0322	1300	A/D	97008		

Comment:

Manual Basin: NBB0190

Scenario: Existing
Node: NBB0190
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 8.0270 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.6039	1400	A/D	97008		
4.4231	1300	A/D	97008		

Comment:

Manual Basin: NBB0230

Scenario: Existing
Node: NBB0230
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.3211 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.3211	1400	A/D	97008		

Comment:

Manual Basin: NBB0270

Scenario: Existing
 Node: NBB0270
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.2716 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.2429	1400	A/D	97008		
1.0288	1300	A/D	97008		

Comment:

Manual Basin: NBB0310

Scenario: Existing
 Node: NBB0310
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 20.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 26.9082 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.7435	1400	A/D	97008		
10.5069	1300	A/D	97008		
9.1475	1300	C/D	97008		
0.0016	1300	A/D	97482		
4.3569	1300	C/D	97482		
0.1121	1700	C/D	97482		
0.0397	1700	D	97482		

Comment:

Manual Basin: NBB0330

Scenario: Existing
 Node: NBB0330
 Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.8868 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.8674	1300	A/D	97008		
0.0195	1300	A/D	97007		

Comment:

Manual Basin: NBB0370

Scenario: Existing
 Node: NBB0370
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.7430 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.1414	1300	A/D	97007		
0.0274	1300	A/D	97008		
1.5366	1700	A/D	97007		
0.0376	1700	A/D	97008		

Comment:

Manual Basin: NBB0410

Scenario: Existing
 Node: NBB0410
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.3056 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.3056	1300	A/D	97007		

Comment:

Manual Basin: NBB0430

Scenario: Existing
Node: NBB0430
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.9730 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9730	1300	A/D	97007		

Comment:

Manual Basin: NBW0030

Scenario: Existing
Node: NBW0030
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.8821 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.8357	1300	A/D	97480		
0.0108	1300	A	97480		
0.0357	5400	A/D	97480		

Comment:

Manual Basin: NBW0050

Scenario: Existing
 Node: NBW0050
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.5330 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9661	1300	A/D	97480		
1.5669	1300	A	97480		

Comment:

Manual Basin: NBW0070

Scenario: Existing
 Node: NBW0070
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.9383 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9383	1300	A/D	97480		

Comment:

Manual Basin: NBW0090

Scenario: Existing
 Node: NBW0090
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 2.1109 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.1109	1300	A/D	97480		

Comment:

Manual Basin: NBW0150

Scenario: Existing
Node: NBW0150
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 2.0845 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.0845	1300	A/D	97480		

Comment:

Manual Basin: NBW0170

Scenario: Existing
Node: NBW0170
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 1.3971 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.3971	1300	A/D	97480		

Comment:

Manual Basin: NBW0210

Scenario: Existing
 Node: NBW0210
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.4217 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.4217	1300	A/D	97480		

Comment:

Manual Basin: NBW0270

Scenario: Existing
 Node: NBW0270
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.4428 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.1864	1300	A/D	97481		
1.7837	1300	A	97481		
0.4727	1300	A/D	97480		

Comment:

Manual Basin: NBW0275

Scenario: Existing
 Node: NBW2775
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 5.1635 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.1635	1300	A	97481		

Comment:

Manual Basin: NBW0290

Scenario: Existing
 Node: NBW0290
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 8.4231 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4025	1300	A/D	97481		
7.0206	1300	A	97481		

Comment:

Manual Basin: NBW0310

Scenario: Existing
 Node: NBW0310
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 4.3252 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.5689	1300	A/D	97481		
3.7563	1300	A	97481		

Comment:

Manual Basin: NBW0330

Scenario: Existing
Node: NBW0330
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.5070 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0724	1300	A/D	97480		
0.1005	1300	A/D	97481		
0.3341	1300	A	97481		

Comment:

Manual Basin: NBW0350

Scenario: Existing
Node: NBW0350
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.6014 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7851	1300	A/D	97480		
0.6576	1300	A/D	97481		
1.1587	1300	A	97481		

Comment:

Manual Basin: NBW0370

Scenario: Existing
Node: NBW0370
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.8881 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8881	1300	A	97481		

Comment:

Manual Basin: NBW0390

Scenario: Existing
 Node: NBW0390
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.1812 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.5117	1300	A/D	97480		
1.2951	1300	A/D	97481		
1.3744	1300	A	97481		

Comment:

Manual Basin: NBW0430

Scenario: Existing
 Node: NBW0430
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.2618 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.2618	1300	A	97481		

Comment:

Manual Basin: NBW0450

Scenario: Existing
Node: NBW0450
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.2195 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2195	1300	A	97481		

Comment:

Manual Basin: NBW0470

Scenario: Existing
Node: NBW0470
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.6492 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.6492	1300	A	97481		

Comment:

Manual Basin: NBW0510

Scenario: Existing
Node: NBW0510
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.0573 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0007	1300	A	97481		
1.1664	1800	A	97481		
0.8452	1800	A/D	97481		
0.0451	1300	A/D	97481		

Comment:

Manual Basin: NBW0550

Scenario: Existing
Node: NBW0550
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 15.8137 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
10.1150	1300	A	97481		
5.6987	1300	A/D	97481		

Comment:

Manual Basin: NBW0570

Scenario: Existing
Node: NBW0570
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 15.0079 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
14.2233	1300	A	97481		
0.7604	1300	A/D	97481		
0.0243	1800	A	97481		

Comment:

Manual Basin: NBW0590

Scenario: Existing
 Node: NBW0590
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 36.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 21.3885 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
17.1027	1300	A/D	97481		
4.2858	1300	A	97481		

Comment:

Manual Basin: NBW0610

Scenario: Existing
 Node: NBW0610
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.2330 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1438	1800	A	97481		
0.0858	1800	A/D	97481		
0.0034	1300	A/D	97481		

Comment:

Manual Basin: NBW0630

Scenario: Existing
 Node: NBW0630
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.1825 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1260	1300	A	97481		
1.4338	1800	A	97481		
0.5850	1800	A/D	97481		
0.0376	1300	A/D	97481		

Comment:

Manual Basin: NBW0650

Scenario: Existing
 Node: NBW0650
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.2639 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2639	1300	A/D	97481		

Comment:

Manual Basin: NBW0670

Scenario: Existing
 Node: NBW0670
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.9895 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7348	1300	A/D	97481		
0.2547	1300	A	97481		

Comment:

Manual Basin: NBW0710

Scenario: Existing
Node: NBW0710
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.0358 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.8301	1300	A/D	97481		
0.0143	1800	A/D	97481		
0.1914	1300	A	97481		

Comment:

Manual Basin: NBW0730

Scenario: Existing
Node: NBW0730
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 12.2036 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.3483	1300	A	97481		
6.1428	1300	A/D	97481		
1.6682	1300	A/D	97955		
2.0442	1300	A	97955		

Comment:

Manual Basin: NBW0750

Scenario: Existing
 Node: NBW0750
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 11.0074 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.8504	1300	A/D	97481		
4.9254	1300	A	97481		
0.2315	1300	A/D	97955		

Comment:

Manual Basin: NBW0770

Scenario: Existing
 Node: NBW0770
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.0964 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.0964	1300	A/D	97481		

Comment:

Manual Basin: NBW0790

Scenario: Existing
 Node: NBW0790
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 7.3766 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.9905	1300	A	97481		
1.3861	1300	A/D	97481		

Comment:

Manual Basin: NBW0810

Scenario: Existing
 Node: NBW0810
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 2.6512 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.1233	1300	A/D	97481		
0.0732	1300	A	97481		
1.3595	1300	A/D	97955		
0.0951	1300	A	97955		

Comment:

Manual Basin: NBW0830

Scenario: Existing
 Node: NBW0830
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 0.8587 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0349	1300	A	97955		
0.8237	1300	A/D	97955		

Comment:

Manual Basin: NBW0850

Scenario: Existing
 Node: NBW0850
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 11.5596 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.1915	1300	A	97481		
9.9378	1300	A	97955		
0.4303	1300	A/D	97955		

Comment:

Manual Basin: NBW0870

Scenario: Existing
 Node: NBW0870
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 9.2645 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.2987	1300	A/D	97955		
0.9658	1300	A	97955		

Comment:

Manual Basin: NBW0910

Scenario: Existing
 Node: NBW0910
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.2282 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9495	1300	A/D	97481		
4.2787	1300	A/D	97955		

Comment:

Manual Basin: NBW0950

Scenario: Existing
 Node: NBW0950
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 12.4599 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.2817	1300	A/D	97955		
9.1782	1300	A	97955		

Comment:

Manual Basin: NBW0970

Scenario: Existing
 Node: NBW0970
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.2003 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6862	1300	A/D	97955		
0.5142	1300	A	97955		

Comment:

Manual Basin: NBW1010

Scenario: Existing
 Node: NBW1010
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.2849 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2849	1300	A	97955		

Comment:

Manual Basin: NBW1030

Scenario: Existing
 Node: NBW1030
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.1589 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9415	1300	A	97955		
0.2035	1300	A/D	97955		
0.0140	1400	A	97955		

Comment:

Manual Basin: NBW1070

Scenario: Existing
 Node: NBW1070
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 1.7846 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5652	1300	A	97955		
0.0465	1300	A/D	97955		
0.1728	1400	A	97955		

Comment:

Manual Basin: NBW1090

Scenario: Existing

Node: NBW1090

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 1.0270 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8220	1300	A/D	97481		
0.2050	1300	A/D	97480		

Comment:

Manual Basin: NBW1130

Scenario: Existing

Node: NBW1130

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 14.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 2.3019 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8466	1300	A/D	97480		
0.4553	1300	A/D	97481		

Comment:

Manual Basin: NBW1150

Scenario: Existing
 Node: NBW1150
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.7669 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.3942	1300	A/D	97481		
0.6698	1300	A/D	97480		
0.7029	1300	A	97481		

Comment:

Manual Basin: NBW1169

Scenario: Existing
 Node: NBW1169
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.9034 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8137	1300	A/D	97481		
0.0897	1300	A	97481		

Comment:

Manual Basin: NBW1170

Scenario: Existing
 Node: NBW1170
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.5981 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.5981	1300	A	97481		

Comment:

Manual Basin: NBW1190

Scenario: Existing
 Node: NBW1190
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.6560 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6029	1300	A/D	97481		
3.0531	1300	A	97481		

Comment:

Manual Basin: NBW1210

Scenario: Existing
 Node: NBW1210
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 19.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.2664 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.7223	1300	A	97481		
4.5441	1300	A/D	97481		

Comment:

Manual Basin: NBW1230

Scenario: Existing
Node: NBW1230
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 18.0700 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
12.5870	1300	A	97481		
5.4830	1300	A/D	97481		

Comment:

Manual Basin: NBW1250

Scenario: Existing
Node: NBW1250
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.3575 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2148	1300	A	97481		
0.1427	1300	A/D	97481		

Comment:

Manual Basin: NBW1270

Scenario: Existing
Node: NBW1270
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 3.4193 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.4193	1300	A/D	97481		

Comment:

Manual Basin: NBW1310

Scenario: Existing

Node: NBW1310

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 1.0975 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.0975	1300	A/D	97481		

Comment:

Manual Basin: NBW1330

Scenario: Existing

Node: NBW1330

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 2.9570 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9570	1300	A/D	97481		

Comment:

Manual Basin: NBW1350

Scenario: Existing
Node: NBW1350
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 9.6230 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.6230	1300	A/D	97481		

Comment:

Manual Basin: NBW1351

Scenario: Existing
Node: NBW1351
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.3914 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.3914	1300	A/D	97481		

Comment:

Manual Basin: NBW1352

Scenario: Existing
Node: NBW1353
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.2869 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.2869	1300	A/D	97481		

Comment:

Manual Basin: NBW1353

Scenario: Existing
Node: NBW1352
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.1570 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.1570	1300	A/D	97481		

Comment:

Manual Basin: NBW1370

Scenario: Existing
Node: NBW1370
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 11.1096 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
11.1096	1300	A/D	97481		

Comment:

Manual Basin: NBW1390

Scenario: Existing

Node: NBW1390
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 8.5184 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.5184	1300	A/D	97481		

Comment:

Manual Basin: NBW1410

Scenario: Existing
Node: NBW1410
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.9784 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.9784	1300	A/D	97481		

Comment:

Manual Basin: NBW1430

Scenario: Existing
Node: NBW1430
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 9.7173 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.7173	1300	A/D	97481		

Comment:

Manual Basin: NBW1450

Scenario: Existing
Node: NBW1450
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 7.0126 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.0126	1300	A/D	97481		

Comment:

Manual Basin: NBW1460

Scenario: Existing
Node: NBW1460
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.3586 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.3586	1300	A/D	97481		

Comment:

Manual Basin: NBW1470

Scenario: Existing

Node: NBW1470
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 31.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 48.6457 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
29.9068	1300	A/D	97481		
0.0002	1700	A/D	97481		
11.1706	1300	A	97481		
2.9728	1300	A/D	97955		
4.5952	1300	A	97955		

Comment:

Manual Basin: NBW1480

Scenario: Existing
 Node: NBW1480
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.8173 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.8173	1300	A/D	97481		

Comment:

Manual Basin: NBW1490

Scenario: Existing
 Node: NBW1490
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 19.6634 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.6596	1700	A/D	97481		
0.3956	1700	D	97481		
6.9343	1300	A/D	97481		
0.0003	1400	D	97481		
5.9876	1400	A/D	97481		
0.4160	1700	A/D	97955		
0.2700	1300	A/D	97955		

Comment:

Manual Basin: NBW1510

Scenario: Existing

Node: NBW1510

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 4.8351 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.3290	1400	D	97482		
2.4480	1400	D	97481		
1.0580	1400	A/D	97481		

Comment:

Manual Basin: NBW1550

Scenario: Existing

Node: NBW1550

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 8.1792 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient	Reference ET

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9926	1400	D	97482		
3.4543	1400	D	97481		
1.7323	1400	A/D	97481		

Comment:

Manual Basin: NBW1590

Scenario: Existing
Node: NBW1590
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.6664 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1071	1400	D	97481		
1.5593	1400	A/D	97481		

Comment:

Manual Basin: NBW1610

Scenario: Existing
Node: NBW1610
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 6.9618 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.3249	1400	A/D	97481		
2.4962	1300	A/D	97481		
0.1407	1300	A/D	97482		

Comment:

Manual Basin: NBW1630

Scenario: Existing
 Node: NBW1630
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.4468 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1511	1300	A/D	97482		
0.7076	1300	A/D	97481		
0.6198	1400	A/D	97481		
0.7681	1700	A/D	97481		
0.1797	1700	A/D	97955		
0.0205	1400	A/D	97955		

Comment:

Manual Basin: NBW1650

Scenario: Existing
 Node: NBW1650
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.6054 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0235	1700	A/D	97955		
2.0947	1400	A/D	97955		
0.1522	1300	A/D	97956		
0.3324	1300	A/D	97955		
0.0026	1400	A/D	97956		

Comment:

Manual Basin: NBW1670

Scenario: Existing

Node: NBW1670
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.4690 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9166	1400	A/D	97955		
0.0190	1400	A/D	97956		
0.2602	1300	A/D	97956		
0.2732	1300	A/D	97955		

Comment:

Manual Basin: NBW1690

Scenario: Existing
 Node: NBW1690
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.1621 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.1346	1400	A/D	97955		
0.4729	1300	A/D	97955		
0.1889	1300	A/D	97956		
0.0176	1400	A/D	97956		
0.2953	1300	A	97955		
0.0528	1400	A	97955		

Comment:

Manual Basin: NBW1730

Scenario: Existing
 Node: NBW1730
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number

Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 16.1904 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.6660	1400	D	97482		
1.5468	1300	D	97482		
0.2839	1400	D	97481		
0.0185	1300	D	97481		
0.6932	1400	A/D	97482		
9.4603	1300	A/D	97482		
0.0770	1400	A/D	97481		
0.4447	1300	A/D	97481		

Comment:

Manual Basin: NBW1750

Scenario: Existing
 Node: NBW1750
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.6506 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.0164	1300	A/D	97482		
0.4160	1300	A/D	97481		
0.2611	1400	A/D	97481		
0.0076	1300	C/D	97482		
2.1206	1300	C/D	97956		
2.9108	1300	A/D	97956		
0.2569	1300	D	97956		
0.6556	1300	A/D	97955		
1.0055	1400	A/D	97955		

Comment:

Manual Basin: NBW1770

Scenario: Existing
 Node: NBW1770
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 16.0486 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.6000	1300	A/D	97956		
7.3493	1300	C/D	97956		
0.0993	1300	D	97956		

Comment:

Manual Basin: NBW1790

Scenario: Existing
 Node: NBW1790
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.9843 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.1844	1300	A/D	97956		
1.1785	1400	A/D	97955		
0.1163	1400	A/D	97956		
1.0143	1300	A/D	97955		
0.0851	1300	D	97956		
0.2730	1400	D	97956		
0.1327	1400	D	97955		

Comment:

Manual Basin: NBW1820

Scenario: Existing
 Node: NBW1820
 Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 17.2814 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
12.5708	1300	C/D	97482		
0.4989	1400	A/D	97482		
3.9495	1300	A/D	97482		
0.1313	1400	D	97482		
0.1309	1400	C/D	97482		

Comment:

Manual Basin: NBW1830

Scenario: Existing
 Node: NBW1830
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.8793 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2191	1300	A/D	97482		
0.6972	1400	A/D	97482		
2.9629	1400	D	97482		

Comment:

Manual Basin: NBW1840

Scenario: Existing
 Node: NBW1840
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 19.9983 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
10.6185	1300	C/D	97482		
8.1612	1300	A/D	97482		
1.0834	1400	A/D	97482		
0.1351	1400	D	97482		
0.0001	1300	D	97482		

Comment:

Manual Basin: NBW1850

Scenario: Existing

Node: NBW1850

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 13.4229 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.5635	1300	C/D	97482		
0.8385	1300	A/D	97482		
1.8763	1400	C/D	97482		
1.8223	1400	A/D	97482		
1.3224	1400	D	97482		

Comment:

Manual Basin: NBW1860

Scenario: Existing

Node: NBW1860

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 14.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 3.8925 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient	Reference ET

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.8144	1300	C/D	97482		
0.0780	1300	A/D	97482		

Comment:

Manual Basin: NBW1870

Scenario: Existing
Node: NBW1870
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.4619 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2194	1300	A/D	97482		
0.3645	1400	A/D	97482		
0.2375	1400	D	97482		
0.6098	1400	C/D	97482		
0.0308	1300	C/D	97482		

Comment:

Manual Basin: NBW1910

Scenario: Existing
Node: NBW1910
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.9368 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8591	1300	C/D	97482		
0.0777	1400	C/D	97482		

Comment:

Manual Basin: NBW1930

Scenario: Existing
 Node: NBW1930
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.7547 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4299	1300	C/D	97482		
0.0933	1400	A/D	97482		
1.2306	1300	A/D	97482		
0.0009	1400	C/D	97482		

Comment:

Manual Basin: NBW1970

Scenario: Existing
 Node: NBW1970
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.7669 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5219	1400	A/D	97482		
0.3504	1300	C/D	97482		
0.2230	1400	C/D	97482		
0.6716	1300	A/D	97482		

Comment: Updated per ERP 12053

Manual Basin: NBW1990

Scenario: Existing
 Node: NBW1990
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number

Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.8406 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.4920	1300	A/D	97482		
2.3486	1400	A/D	97482		

Comment:

Manual Basin: NBW2010

Scenario: Existing
 Node: NBW2010
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.9741 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9741	1300	A/D	97482		

Comment:

Manual Basin: NBW2030

Scenario: Existing
 Node: NBW2030
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 27.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.0960 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.5575	1300	A/D	97482		
1.5385	1300	C/D	97482		

Comment:

Manual Basin: NBW2050

Scenario: Existing
 Node: NBW2050
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.6006 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.6221	1300	A	97482		
0.0551	1400	A	97482		
0.1880	1300	A/D	97482		
0.7351	8300	A	97482		
0.0002	8300	A/D	97482		

Comment:

Manual Basin: NBW2060

Scenario: Existing
 Node: NBW2060
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.5646 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2655	1300	A/D	97482		
2.1181	1300	A	97482		
1.8858	1400	A/D	97482		
0.2952	1400	A	97482		

Comment:

Manual Basin: NBW2070

Scenario: Existing
 Node: NBW2070
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.3373 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6459	1400	A	97482		
0.4261	1300	A	97482		
0.2475	1300	D	97482		
7.0178	1400	D	97482		

Comment: Broke basin at crown of Swan Ave

Manual Basin: NBW2090

Scenario: Existing
 Node: NBW2090
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.5529 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0369	1300	A	97482		
0.0019	1400	A	97482		
2.1372	1300	D	97482		
2.3770	1400	D	97482		

Comment:

Manual Basin: NBW2110

Scenario: Existing
 Node: NBW2110
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number

Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 7.2625 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0134	1300	A	97482		
0.1691	1400	A	97482		
7.0746	1400	D	97482		
0.0054	1300	D	97482		

Comment:

Manual Basin: NBW2130

Scenario: Existing
Node: NBW2130
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.9912 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9912	1400	D	97482		

Comment:

Manual Basin: NBW2145

Scenario: Existing
Node: NBW2145
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.8292 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0593	1400	A	97482		
3.7698	1400	D	97482		

Comment: Updated per ERP 9599. INLET IN ERP ON WEST SIDE NOT SEEN IN STREET VIEW

Manual Basin: NBW2150

Scenario: Existing
Node: NBW2150
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.8639 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8281	1300	A	97482		
0.0357	1400	A	97482		

Comment:

Manual Basin: NBW2190

Scenario: Existing
Node: NBW2190
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.0700 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4904	1300	A	97482		
0.5796	1300	D	97482		

Comment:

Manual Basin: NBW2210

Scenario: Existing
 Node: NBW2210
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.0711 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.0711	1300	A	97482		

Comment:

Manual Basin: NBW2230

Scenario: Existing
 Node: NBW2230
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.1833 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.2313	1300	A	97482		
5.9520	1300	A/D	97482		

Comment:

Manual Basin: NBW2250

Scenario: Existing
 Node: NBW2250
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 1.7527 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.7527	1300	A	97482		

Comment:

Manual Basin: NBW2270

Scenario: Existing
 Node: NBW2270
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 2.5878 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.5878	1300	A	97482		

Comment:

Manual Basin: NBW2290

Scenario: Existing
 Node: NBW2290
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 23.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 13.5587 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.0061	1700	A	97482		
6.4803	1300	A/D	97482		
5.0724	1300	A	97482		

Comment:

Manual Basin: NBW2310

Scenario: Existing
 Node: NBW2310
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.4265 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.0681	1300	A	97482		
2.3584	1700	A	97482		

Comment:

Manual Basin: NBW2330

Scenario: Existing
 Node: NBW2330
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.9410 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.1610	1300	A/D	97482		
3.9688	1300	A	97482		
0.0751	1300	C/D	97482		
0.7361	1700	A	97482		

Comment:

Manual Basin: NBW2350

Scenario: Existing
 Node: NBW2350
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 21.0000 min
 Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.6660 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.1125	1700	A/D	97481		
5.5535	1300	A/D	97481		

Comment:

Manual Basin: NBW2370

Scenario: Existing
 Node: NBW2370
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 30.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.3028 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.5485	1700	A/D	97481		
0.7542	1300	A/D	97481		

Comment:

Manual Basin: NBW2380

Scenario: Existing
 Node: NBW2380
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.9897 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.8524	1300	A/D	97481		
0.0582	1300	D	97481		
0.0792	1700	A/D	97481		

Comment:

Manual Basin: NBW2385

Scenario: Existing
Node: NBW2385
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.1150 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9542	1700	A/D	97481		
0.1608	1700	D	97481		

Comment:

Manual Basin: NBW2390

Scenario: Existing
Node: NBW2390
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 10.3917 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.1432	1700	A/D	97481		
7.2486	1300	A/D	97481		

Comment:

Manual Basin: NBW2410

Scenario: Existing
Node: NBW2410

Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 18.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 14.8282 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9392	1700	D	97481		
1.6738	1400	D	97481		
5.8626	1700	A/D	97481		
1.2255	1400	A/D	97481		
4.1270	1300	A/D	97481		

Comment:

Manual Basin: NBW2430

Scenario: Existing
 Node: NBW2430
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.7239 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.1668	1400	D	97481		
0.2359	1400	A/D	97481		
0.3082	1700	D	97481		
0.0130	1700	A/D	97481		

Comment:

Manual Basin: NBW2470

Scenario: Existing
 Node: NBW2470
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.5707 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5707	1400	D	97481		

Comment:

Manual Basin: NBW2490

Scenario: Existing
 Node: NBW2490
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.9735 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9726	1400	D	97481		
0.0009	1400	D	97482		

Comment:

Manual Basin: NBW2510

Scenario: Existing
 Node: NBW2510
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.6971 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.3163	1400	D	97481		
0.0987	1700	D	97481		
0.2820	1400	A/D	97481		

Comment:

Manual Basin: NBW2570

Scenario: Existing
Node: NBW2570
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.8330 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8330	1400	A/D	97481		

Comment:

Manual Basin: NBW2610

Scenario: Existing
Node: NBW2610
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 6.4373 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.2042	1400	D	97482		
2.2332	1400	D	97481		

Comment:

Manual Basin: NBW2630

Scenario: Existing
Node: NBW2630
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number

Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.6691 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.1244	1400	D	97482		
0.0118	1300	D	97482		
0.5231	1300	A/D	97482		
0.0097	1400	A/D	97482		

Comment:

Manual Basin: NBW2650

Scenario: Existing
 Node: NBW2650
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.6077 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.3389	1400	D	97481		
1.2688	1400	D	97482		

Comment:

Manual Basin: NBW2670

Scenario: Existing
 Node: NBW2670
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.1363 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient	Reference ET

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6575	1400	A/D	97482		
1.7910	1400	D	97481		
0.6699	1400	D	97482		
0.0180	1300	A/D	97482		

Comment:

Manual Basin: NBW2680

Scenario: Existing
Node: NBW2680
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.5608 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7272	1300	A/D	97482		
0.8336	1400	A/D	97482		

Comment:

Manual Basin: NBW2690

Scenario: Existing
Node: NBW2690
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 10.2447 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2055	1400	A/D	97481		
9.8680	1400	D	97481		
0.0001	1300	A/D	97481		
0.1468	1400	A/D	97482		
0.0206	1300	A/D	97482		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0038	1400	D	97482		

Comment:

Manual Basin: NBW2730

Scenario: Existing
Node: NBW2730
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.5632 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4447	1400	A/D	97482		
0.1185	1300	A/D	97482		

Comment:

Manual Basin: NBW2780

Scenario: Existing
Node: NBW2780
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 12.7327 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
11.5430	1300	A/D	97482		
0.0051	1300	A/D	97481		
0.0026	1400	A/D	97481		
0.0035	1400	A/D	97482		
0.7676	1300	C/D	97482		
0.0455	1300	D	97482		
0.3654	1400	D	97482		

Comment:

Manual Basin: NBW2790

Scenario: Existing
Node: NBW2790
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 14.8216 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.0629	1300	C/D	97482		
8.3129	1300	A/D	97482		
0.3727	1400	D	97482		
0.0731	1300	D	97482		

Comment:

Manual Basin: NBW2810

Scenario: Existing
Node: NBW2810
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 7.5567 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.5567	1300	C/D	97482		

Comment:

Manual Basin: NBW2830

Scenario: Existing
Node: NBW2830

Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 22.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 20.3605 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4155	1300	A/D	97482		
19.9450	1300	C/D	97482		

Comment:

Manual Basin: NCL0030

Scenario: Existing
Node: NCL0030
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.2013 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.2013	1300	A/D	97954		

Comment:

Manual Basin: NCL0070

Scenario: Existing
Node: NCL0070
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 19.3446 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2461	1300	A/D	97480		
0.1935	1300	A/D	97481		
13.2844	1300	A/D	97955		
3.6632	1300	A/D	97954		
1.8911	1300	A	97955		
0.0571	8100	A/D	97954		
0.0092	1400	A/D	97955		

Comment:

Manual Basin: NCL0090

Scenario: Existing
Node: NCL0090
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 17.4929 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.8415	1300	A	97481		
2.2225	1300	A/D	97481		
2.5923	1300	A	97955		
2.8366	1300	A/D	97955		

Comment:

Manual Basin: NCL0110

Scenario: Existing
Node: NCL0110
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.3317 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8071	1300	A/D	97954		
1.0177	1400	A/D	97954		
2.5068	1400	D	97954		

Comment:

Manual Basin: NCL0150

Scenario: Existing
Node: NCL0150
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.3382 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9307	1400	D	97954		
0.4076	8100	D	97954		

Comment:

Manual Basin: NCL0170

Scenario: Existing
Node: NCL0170
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.7512 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.7512	1400	D	97954		

Comment:

Manual Basin: NCL0190

Scenario: Existing
Node: NCL0190
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.6952 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6952	1400	D	97954		

Comment:

Manual Basin: NCL0210

Scenario: Existing
Node: NCL0210
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.1607 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9263	1400	D	97954		
1.2344	8100	D	97954		

Comment:

Manual Basin: NCL0230

Scenario: Existing
Node: NCL0230
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 5.2403 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5377	1400	A/D	97955		
0.3103	1400	D	97954		
1.7702	1400	D	97955		
0.4153	8100	D	97954		
0.0281	8100	A/D	97955		
1.1786	8100	D	97955		

Comment:

Manual Basin: NCL0270

Scenario: Existing
 Node: NCL0270
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 1.2523 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2745	1400	D	97954		
0.9079	1400	D	97955		
0.0698	1400	A/D	97955		

Comment:

Manual Basin: NCL0330

Scenario: Existing
 Node: NCL0330
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 0.3578 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3578	8100	D	97954		

Comment:

Manual Basin: NCL0350

Scenario: Existing
 Node: NCL0350
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.3567 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3747	1400	A/D	97955		
0.5111	1400	D	97955		
0.2822	8100	D	97954		
0.4047	1400	D	97954		
1.6180	1300	A/D	97955		
0.1659	1300	D	97955		

Comment:

Manual Basin: NCL0370

Scenario: Existing
 Node: NCL0370
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.4057 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4129	1400	D	97955		
1.7776	1400	A/D	97955		
2.2152	1300	A/D	97955		

Comment:

Manual Basin: NCL0390

Scenario: Existing
 Node: NCL0390
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.0817 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2662	1300	A/D	97954		
0.7299	8100	A/D	97954		
0.2831	1300	A/D	97955		
0.5944	1400	A/D	97955		
0.2156	1400	A/D	97954		
0.1640	1400	D	97955		
0.3950	1400	D	97954		
0.4335	8100	D	97954		

Comment:

Manual Basin: NCL0430

Scenario: Existing
 Node: NCL0430
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.6357 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4129	1400	A/D	97955		
0.0832	1400	D	97955		
0.5378	1400	D	97954		
0.6018	8100	D	97954		

Comment:

Manual Basin: NCL0450

Scenario: Existing
 Node: NCL0450
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.4540 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4590	1300	A/D	97955		
1.9949	1400	A/D	97955		

Comment:

Manual Basin: NCL0470

Scenario: Existing
 Node: NCL0470
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.5365 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9997	1300	A/D	97955		
1.5369	1400	A/D	97955		

Comment:

Manual Basin: NCL0490

Scenario: Existing
 Node: NCL0490
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 17.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 12.5300 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4144	1300	A	97481		
11.3249	1300	A	97955		
0.7906	1300	A/D	97955		

Comment:

Manual Basin: NCL0510

Scenario: Existing
 Node: NCL0510
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.0969 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0461	1300	A	97955		
3.2495	1300	A/D	97955		
0.8013	1400	A/D	97955		

Comment:

Manual Basin: NCL0550

Scenario: Existing
 Node: NCL0550
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.7772 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9144	1400	A/D	97955		
1.3586	1400	D	97955		
1.5007	8100	D	97955		
0.0035	8100	A/D	97955		

Comment:

Manual Basin: NCL0570

Scenario: Existing
 Node: NCL0570
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.8753 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1680	1300	A	97955		
0.9732	1400	A	97955		
0.1178	1400	A/D	97955		
1.5251	1400	D	97955		
1.0913	8100	D	97955		

Comment:

Manual Basin: NCL0590

Scenario: Existing
 Node: NCL0590
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.4140 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.4773	1300	A	97955		
1.2462	1300	A/D	97955		
0.5742	1400	A/D	97955		
0.0789	1400	A	97955		
0.0373	1400	D	97955		

Comment:

Manual Basin: NCL0610

Scenario: Existing
Node: NCL0610
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.5532 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.5532	1300	A	97955		

Comment:

Manual Basin: NCL0630

Scenario: Existing
Node: NCL0630
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 7.7745 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.3730	1300	A	97955		
1.1054	1400	A	97955		
0.2961	1400	D	97955		

Comment:

Manual Basin: NCL0690

Scenario: Existing
Node: NCL0690
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 0.2403 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0233	1400	D	97955		
0.2169	8100	D	97955		

Comment:

Manual Basin: NCL0730

Scenario: Existing

Node: NCL0730

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 0.9857 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9857	1400	D	97955		

Comment:

Manual Basin: NCL0750

Scenario: Existing

Node: NCL0750

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 11.2178 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.1369	1400	D	97955		
0.6413	1400	A	97955		
1.0303	1400	A/D	97955		
0.8376	1300	D	97955		
0.8883	1300	A	97955		
1.6832	1300	A/D	97955		

Comment:

Manual Basin: NCL0770

Scenario: Existing
 Node: NCL0770
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 18.3987 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4170	1300	A/D	97955		
10.1059	1300	A	97955		
6.1524	1300	D	97955		
0.1429	1400	D	97955		
1.5764	1700	D	97955		
0.0041	8300	A	97955		

Comment:

Manual Basin: NCL0810

Scenario: Existing
 Node: NCL0810
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.1896 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4880	1400	A	97955		
0.2305	1400	D	97955		
1.4711	8100	D	97955		

Comment:

Manual Basin: NCL0830

Scenario: Existing
 Node: NCL0830
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.0210 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.9743	1300	A	97955		
0.0467	1400	A	97955		

Comment:

Manual Basin: NCL0850

Scenario: Existing
 Node: NCL0850
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.9559 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2205	1300	A	97955		
0.6623	1400	A	97955		
0.0732	1400	D	97955		

Comment:

Manual Basin: NCL0910

Scenario: Existing
 Node: NCL0910
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.8469 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8469	1400	D	97955		

Comment:

Manual Basin: NCL0930

Scenario: Existing
 Node: NCL0930
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.8458 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.8207	1400	D	97955		
0.0252	1300	D	97955		

Comment:

Manual Basin: NCL0950

Scenario: Existing
 Node: NCL0950
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.8899 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.9956	1300	D	97955		
0.0284	1400	D	97955		
2.8660	1300	A	97955		

Comment:

Manual Basin: NCL0970

Scenario: Existing
 Node: NCL0970
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.0332 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5997	1400	A	97955		
0.8996	1400	D	97955		
0.1107	1300	D	97955		
2.4233	1300	A	97955		

Comment:

Manual Basin: NCL0990

Scenario: Existing
 Node: NCL0990
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 9.5234 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.3941	1300	A	97955		
0.1293	1300	D	97955		

Comment:

Manual Basin: NCL1010

Scenario: Existing
 Node: NCL1010
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.5691 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.5071	1300	A	97955		
0.0620	1300	A/D	97955		

Comment:

Manual Basin: NCL1030

Scenario: Existing
 Node: NCL1030
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.3529 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0065	1400	D	97955		
0.3465	8100	D	97955		

Comment:

Manual Basin: NCL1050

Scenario: Existing
 Node: NCL1050
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.7773 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3034	8100	D	97955		
1.4739	1400	D	97955		

Comment:

Manual Basin: NCL1090

Scenario: Existing
Node: NCL1090
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.8979 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.5365	1300	A	97955		
0.1855	1400	A	97955		
1.1276	1400	D	97955		
0.0456	1300	D	97955		
0.0026	8100	D	97955		

Comment:

Manual Basin: NCL1110

Scenario: Existing
Node: NCL1110
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.5372 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.7131	1400	D	97955		
0.8242	8100	D	97955		

Comment:

Manual Basin: NCL1130

Scenario: Existing
 Node: NCL1130
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.5352 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.3162	1400	A	97955		
0.0005	1300	A	97955		
1.9126	1400	D	97955		
1.3059	8100	D	97955		

Comment:

Manual Basin: NCL1150

Scenario: Existing
 Node: NCL1150
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.8206 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.4641	1300	A	97955		
0.8996	1400	A	97955		
2.2726	1400	D	97955		
0.1803	1300	D	97955		
0.0039	8100	D	97955		

Comment:

Manual Basin: NCL1170

Scenario: Existing
 Node: NCL1170
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number

Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 9.7633 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.7633	1300	A	97955		

Comment:

Manual Basin: NCL1210

Scenario: Existing
Node: NCL1210
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.7185 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0184	1300	A	97955		
1.3147	1400	A	97955		
0.3760	1400	D	97955		
0.0094	8100	D	97955		

Comment:

Manual Basin: NCL1270

Scenario: Existing
Node: NCL1270
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 27.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 19.6673 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.4660	1400	A	97955		
8.0653	1300	A	97955		
6.1360	1300	A/D	97955		

Comment:

Manual Basin: NCL1290

Scenario: Existing
Node: NCL1290
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.5477 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.4738	1300	A	97955		
0.0466	1400	A	97955		
0.0273	1300	A/D	97955		

Comment:

Manual Basin: NCL1310

Scenario: Existing
Node: NCL1310
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 13.1520 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.1624	1300	A/D	97955		
11.9896	1300	A	97955		

Comment:

Manual Basin: NCL1330

Scenario: Existing
 Node: NCL1330
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.2534 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.2534	1300	A	97955		

Comment:

Manual Basin: NCL1350

Scenario: Existing
 Node: NCL1350
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.9295 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2955	1300	A	97955		
1.1668	1400	A	97955		
0.4492	1400	D	97955		
0.0180	8100	D	97955		

Comment:

Manual Basin: NCL1370

Scenario: Existing
 Node: NCL1370
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.4262 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2470	1400	A	97955		
1.1596	1400	D	97955		
1.0197	8100	D	97955		

Comment:

Manual Basin: NCL1390

Scenario: Existing
 Node: NCL1390
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.1212 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3013	8100	D	97955		
0.6328	1400	D	97955		
0.1871	1400	A	97955		

Comment:

Manual Basin: NCL1410

Scenario: Existing
 Node: NCL1410
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.2080 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0622	1400	D	97955		
0.1458	1400	A	97955		

Comment:

Manual Basin: NCL1430

Scenario: Existing
 Node: NCL1430
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 12.2922 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
10.7254	1300	A	97955		
0.2679	1300	A/D	97955		
1.1946	1400	A	97955		
0.1043	1400	D	97955		

Comment:

Manual Basin: NCL1450

Scenario: Existing
 Node: NCL1450
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 26.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.8711 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2431	1300	A/D	97955		
8.2532	1300	A	97955		
0.3747	1400	A	97955		

Comment:

Manual Basin: NCL1490

Scenario: Existing
 Node: NCL1490
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.4225 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.3566	1400	A	97955		
0.0658	1400	D	97955		

Comment:

Manual Basin: NCL1510

Scenario: Existing
 Node: NCL1510
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.1970 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5624	1300	A	97955		
2.5621	1400	A	97955		
0.0725	1400	D	97955		

Comment:

Manual Basin: NCL1530

Scenario: Existing
 Node: NCL1530
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.3362 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7688	1300	A	97955		
0.4465	1400	A	97955		
0.1200	1400	D	97955		
0.0008	8100	D	97955		

Comment:

Manual Basin: NCL1590

Scenario: Existing
 Node: NCL1590
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.5901 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4151	1400	A	97955		
0.1750	1300	A	97955		

Comment:

Manual Basin: NCL1610

Scenario: Existing
 Node: NCL1610
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.7505 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7210	1400	A	97955		
0.0295	1400	D	97955		

Comment:

Manual Basin: NCL1630

Scenario: Existing
Node: NCL1630
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.5222 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3014	1400	A	97955		
0.2208	1400	D	97955		

Comment:

Manual Basin: NCL1650

Scenario: Existing
Node: NCL1650
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.1582 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4039	1400	A	97955		
1.0382	1400	D	97955		
0.7160	8100	D	97955		

Comment:

Manual Basin: NCL1670

Scenario: Existing

Node: NCL1670
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.1908 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6913	8100	D	97955		
1.7644	1400	D	97955		
0.3845	1400	A	97955		
0.3506	1300	A	97955		

Comment:

Manual Basin: NCL1690

Scenario: Existing
 Node: NCL1690
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.7534 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9705	1400	A	97955		
0.7368	1400	D	97955		
0.0461	8100	D	97955		

Comment:

Manual Basin: NCL1710

Scenario: Existing
 Node: NCL1710
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.3560 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.0155	1400	D	97955		
0.3405	8100	D	97955		

Comment:

Manual Basin: NCL1730

Scenario: Existing
 Node: NCL1730
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 47.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 12.8931 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2576	8100	D	97955		
1.7660	1400	D	97955		
0.2826	1400	A	97955		
4.6210	1300	A	97955		
0.1014	1400	A/D	97955		
5.8646	1300	A/D	97955		

Comment:

Manual Basin: NCL1770

Scenario: Existing
 Node: NCL1770
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.5456 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0006	8100	D	97955		
0.0822	1400	D	97955		
0.0119	1400	A	97955		
1.5040	1300	A	97955		
4.9469	1300	A/D	97955		

Comment:

Manual Basin: NCL1810

Scenario: Existing
 Node: NCL1810
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 14.8502 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.8896	1300	A/D	97955		
0.0767	1700	A/D	97955		
4.3027	1400	A/D	97955		
1.5414	1300	A	97955		
0.0399	1400	A	97955		

Comment:

Manual Basin: NCL1830

Scenario: Existing
 Node: NCL1830
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.7445 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.2100	1400	A/D	97955		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8670	1400	A	97955		
0.6675	1400	D	97955		

Comment:

Manual Basin: NCL1930

Scenario: Existing
 Node: NCL1930
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.5377 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1257	1400	A/D	97955		
0.4120	1400	D	97955		

Comment:

Manual Basin: NCL1970

Scenario: Existing
 Node: NCL1970
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.6563 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4438	1400	D	97955		
0.2125	1400	A/D	97955		

Comment:

Manual Basin: NCL2030

Scenario: Existing
 Node: NCL2030
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.9246 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5308	1400	A/D	97955		
0.3584	1400	D	97955		
0.0354	8100	D	97955		

Comment:

Manual Basin: NCL2070

Scenario: Existing
 Node: NCL2070
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.5106 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1344	1400	A/D	97955		
0.3762	1400	D	97955		

Comment: Updated basin per ERP 25926

Manual Basin: NCL2110

Scenario: Existing
 Node: NCL2110
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.3286 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.9950	1400	D	97956		
2.0001	1400	D	97955		
0.3335	1400	A/D	97956		

Comment:

Manual Basin: NCL2130

Scenario: Existing
 Node: NCL2130
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.0476 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0005	1400	D	97956		
0.8474	1400	A/D	97956		
7.0531	1300	A/D	97956		
0.1464	1300	C/D	97956		
0.0002	1400	C/D	97956		

Comment:

Manual Basin: NCL2150

Scenario: Existing
 Node: NCL2150
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 11.4407 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5497	1400	D	97955		
0.8257	1400	D	97956		
8.7976	1300	A/D	97956		
0.2444	1400	A/D	97956		
0.0233	1300	D	97956		

Comment:

Manual Basin: NCL2170

Scenario: Existing
 Node: NCL2170
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.8440 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.3971	1400	D	97956		
3.0688	1400	D	97955		
1.2926	8100	D	97955		
0.0533	1400	A/D	97956		
0.0322	1300	A/D	97956		

Comment:

Manual Basin: NCL2230

Scenario: Existing
 Node: NCL2230
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.5855 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.7078	1300	C/D	97956		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.3830	1300	A/D	97956		
0.7191	1400	C/D	97956		
0.1355	1300	D	97956		
0.6401	1400	D	97956		

Comment:

Manual Basin: NCL2270

Scenario: Existing
Node: NCL2270
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.6996 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.4990	1400	D	97956		
1.0138	1400	C/D	97956		
0.0483	1400	A/D	97956		
0.0051	1300	A/D	97956		
0.1335	1300	C/D	97956		

Comment:

Manual Basin: NCL2290

Scenario: Existing
Node: NCL2290
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.8370 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.7317	1400	D	97956		
0.0769	1400	A/D	97956		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0284	1300	A/D	97956		

Comment:

Manual Basin: NCL2330

Scenario: Existing
Node: NCL2330
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.9821 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1203	1400	A/D	97956		
0.6523	1400	C/D	97956		
4.4979	1400	D	97956		
0.5279	1300	D	97956		
0.1837	1300	A/D	97956		

Comment:

Manual Basin: NCL2350

Scenario: Existing
Node: NCL2350
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.6713 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8290	1400	A/D	97956		
1.2574	1400	D	97956		
0.5849	1300	D	97956		

Comment:

Manual Basin: NCL2390

Scenario: Existing
 Node: NCL2390
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.3537 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2177	1400	D	97956		
0.2369	1300	D	97956		
1.0743	1400	A/D	97956		
8.8248	1300	A/D	97956		

Comment:

Manual Basin: NCL2410

Scenario: Existing
 Node: NCL2410
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.3373 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2375	1400	A/D	97956		
2.0998	1300	A/D	97956		

Comment:

Manual Basin: NCL2430

Scenario: Existing
 Node: NCL2430
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.3441 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4059	1400	A/D	97956		
2.9382	1300	A/D	97956		

Comment:

Manual Basin: NCL2470

Scenario: Existing
 Node: NCL2470
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.6972 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.1828	1400	D	97956		
2.5145	1400	A/D	97956		

Comment: DELINEATED PER ERP 2903

Manual Basin: NCL2490

Scenario: Existing
 Node: NCL2490
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.1638 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0342	1400	A/D	97956		
2.1297	1300	A/D	97956		

Comment:

Manual Basin: NCL2510

Scenario: Existing
Node: NCL2510
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 14.3623 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1208	1400	D	97956		
2.0157	1400	A/D	97956		
12.2258	1300	A/D	97956		

Comment:

Manual Basin: NCL2530

Scenario: Existing
Node: NCL2530
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.6123 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0006	1400	D	97956		
0.2078	1400	A/D	97956		
4.4039	1300	A/D	97956		

Comment:

Manual Basin: NCL2540

Scenario: Existing

Node: NCL2540
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.7763 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.7763	1300	A/D	97956		

Comment: LOW POINT WITH NO DRAINAGE INFRASTRUCTURE

Manual Basin: NCL2550

Scenario: Existing
Node: NCL2550
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.8345 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8345	1300	A/D	97956		

Comment:

Manual Basin: NCL2580

Scenario: Existing
Node: NCL2580
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.2237 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.5769	1300	A/D	97956		
0.6468	1300	C/D	97956		

Comment:

Manual Basin: NCL2590

Scenario: Existing
Node: NCL2590
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 17.0860 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
16.9990	1300	A/D	97956		
0.0013	1400	A/D	97956		
0.0857	1300	C/D	97956		

Comment:

Manual Basin: NCL2610

Scenario: Existing
Node: NCL2610
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.7263 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.7263	1300	A/D	97956		

Comment:

Manual Basin: NCL2630

Scenario: Existing
 Node: NCL2630
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.5093 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.3873	1300	A/D	97956		
1.1220	1300	A/D	97957		

Comment:

Manual Basin: NCL2631

Scenario: Existing
 Node: NCL2631
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.3837 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3124	1400	D	97957		
1.0079	1400	D	97956		
0.7657	1400	A/D	97956		
0.1450	1400	A/D	97957		
0.2004	1300	A/D	97957		
0.9523	1300	A/D	97956		

Comment:

Manual Basin: NCL2650

Scenario: Existing
 Node: NCL2650
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number

Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 15.1756 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
11.0462	1300	A/D	97956		
1.9949	1300	C/D	97956		
2.1345	1300	B/D	97956		

Comment:

Manual Basin: NCL2670

Scenario: Existing
 Node: NCL2670
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.9653 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.4507	1300	C/D	97956		
5.4431	1300	B/D	97956		
0.0715	1300	A/D	97956		

Comment:

Manual Basin: NCL2690

Scenario: Existing
 Node: NCL2690
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.0402 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient	Reference ET

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8398	1300	A/D	97956		
3.2004	1300	B/D	97956		

Comment:

Manual Basin: NCL2710

Scenario: Existing
Node: NCL2710
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 6.7966 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.4243	1300	A/D	97956		
3.7604	1300	C/D	97956		
0.6119	1300	B/D	97956		

Comment:

Manual Basin: NCL2730

Scenario: Existing
Node: NCL2730
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.9748 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.8392	1300	A/D	97956		
3.1356	1300	C/D	97956		

Comment: NE CORNER HAS A 12" PIPE. NOT MODELED; ASSUMING ALL WATER STAYS WITHIN THE SYSTEM.

Manual Basin: NCL2750

Scenario: Existing
 Node: NCL2750
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.9267 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.5792	1300	A/D	97956		
0.3475	1300	C/D	97956		

Comment:

Manual Basin: NCL2780

Scenario: Existing
 Node: NCL2780
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.2848 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.7802	1300	A/D	97956		
0.5045	1300	C/D	97956		

Comment:

Manual Basin: NCL2790

Scenario: Existing
 Node: NCL2790
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 20.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 19.5818 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.8795	1300	A/D	97956		
15.6707	1300	C/D	97956		
0.0316	1300	A	97956		

Comment:

Manual Basin: NCL2810

Scenario: Existing

Node: NCL2810

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 2.9402 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.4472	1300	C/D	97956		
0.4930	1300	A/D	97956		

Comment:

Manual Basin: NCL2830

Scenario: Existing

Node: NCL2830

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 1.6354 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5974	1300	A/D	97956		
0.0379	1300	C/D	97956		

Comment:

Manual Basin: NCL2840

Scenario: Existing
 Node: NCL2840
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.4508 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.9321	1300	C/D	97956		
0.2584	1300	A/D	97956		
3.9649	1300	A	97956		
0.2954	1400	A	97956		

Comment:

Manual Basin: NCL2845

Scenario: Existing
 Node: NCL2845
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.2245 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.1198	1300	A/D	97956		
0.0577	1300	C/D	97956		
2.0470	1300	A	97956		

Comment:

Manual Basin: NCL2850

Scenario: Existing
 Node: NCL2850
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.0003 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.5061	1400	A/D	97956		
1.4933	1400	D	97956		
0.0010	1300	A/D	97956		

Comment: DELINEATED PER ERP 2903

Manual Basin: NCL2890

Scenario: Existing
 Node: NCL2890
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.0208 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3387	1400	A/D	97956		
1.6821	1400	D	97956		

Comment:

Manual Basin: NCL2910

Scenario: Existing
 Node: NCL2910
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.9371 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4206	1400	A/D	97956		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5165	1400	D	97956		

Comment:

Manual Basin: NCL2930

Scenario: Existing
Node: NCL2930
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.5563 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.5460	1300	C/D	97956		
0.7197	1400	C/D	97956		
0.2906	1400	D	97956		

Comment:

Manual Basin: NCL2950

Scenario: Existing
Node: NCL2950
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.4625 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.0039	1300	D	97956		
2.4587	1300	C/D	97956		

Comment:

Manual Basin: NCL2970

Scenario: Existing
 Node: NCL2970
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 14.8409 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
10.2796	1300	C/D	97956		
2.6872	1400	C/D	97956		
0.7777	1300	A/D	97956		
0.6252	1400	A/D	97956		
0.4712	1400	D	97956		

Comment:

Manual Basin: NCL2990

Scenario: Existing
 Node: NCL2990
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.9027 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2031	1300	D	97482		
0.6996	1300	D	97956		

Comment:

Manual Basin: NCL3010

Scenario: Existing
 Node: NCL3010
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 14.1811 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.4141	1400	C/D	97482		
0.1793	1300	C/D	97482		
3.8764	1400	D	97482		
0.5496	1400	A/D	97482		
0.1750	1300	D	97482		
0.8660	1400	C/D	97956		
3.5634	1400	D	97956		
1.5573	1300	D	97956		

Comment:

Manual Basin: NCL3030

Scenario: Existing
 Node: NCL3030
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.1011 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.7579	1400	A/D	97482		
1.3924	1300	A/D	97482		
0.1289	1400	C/D	97482		
0.8145	1300	A/D	97956		
1.3067	1400	A/D	97956		
0.7008	1400	C/D	97956		

Comment:

Manual Basin: NCL3050

Scenario: Existing
 Node: NCL3050
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number

Time of Concentration: 22.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 14.1442 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.1848	1400	A/D	97956		
2.9595	1400	C/D	97956		
0.1628	1400	D	97956		
4.7178	1300	A/D	97956		
0.1192	1300	C/D	97956		

Comment:

Manual Basin: NCL3070

Scenario: Existing
 Node: NCL3070
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.9611 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.1620	1400	C/D	97956		
0.0444	1400	D	97956		
0.3517	1300	D	97956		
5.7626	1300	C/D	97956		
0.7705	1400	A/D	97956		
1.8699	1300	A/D	97956		

Comment:

Manual Basin: NCL3090

Scenario: Existing
 Node: NCL3090
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.3728 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.2484	1300	A/D	97482		
1.4698	1300	A	97482		
0.2407	8300	A	97482		
0.1805	1300	D	97482		
0.3992	8300	A/D	97482		
2.7405	1300	A/D	97956		
0.0939	1300	D	97956		

Comment:

Manual Basin: NCL3110

Scenario: Existing
 Node: NCL3110
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 12.3237 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
11.4652	1300	A/D	97956		
0.8364	1400	A/D	97956		
0.0221	1400	D	97956		

Comment:

Manual Basin: NCL3130

Scenario: Existing
 Node: NCL3130
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 7.0928 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.6281	1300	A/D	97956		
0.4646	1400	A/D	97956		

Comment:

Manual Basin: NCL3150

Scenario: Existing
 Node: NCL3150
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 4.7878 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.1866	1400	D	97482		
0.1717	1300	D	97482		
2.0227	1400	D	97956		
0.0703	1300	D	97956		
0.3365	1400	A/D	97956		

Comment:

Manual Basin: NCL3170

Scenario: Existing
 Node: NCL3170
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 3.7433 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2703	1400	A/D	97956		
1.0844	1400	D	97956		
1.2083	1300	A/D	97956		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1803	1300	D	97956		

Comment:

Manual Basin: NCL3190

Scenario: Existing
Node: NCL3190
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 8.9739 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.7545	1400	A/D	97956		
6.2194	1300	A/D	97956		

Comment:

Manual Basin: NCL3210

Scenario: Existing
Node: NCL3210
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 9.6576 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.0317	1300	A/D	97956		
0.6170	1400	A/D	97956		
0.0088	1400	D	97956		

Comment:

Manual Basin: NCL3230

Scenario: Existing
 Node: NCL3230
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.0158 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8587	1300	A/D	97956		
1.1572	1400	A/D	97956		

Comment:

Manual Basin: NCL3250

Scenario: Existing
 Node: NCL3250
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.0117 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.2815	1400	D	97482		
0.4920	1300	D	97482		
0.0173	1300	A	97482		
0.0200	1400	A	97482		
0.7725	1400	A	97956		
0.0173	1400	D	97956		
0.6510	1300	A	97956		
0.0278	1300	D	97956		
0.4186	1400	A/D	97956		
2.3138	1300	A/D	97956		

Comment:

Manual Basin: NCL3270

Scenario: Existing
 Node: NCL3270
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.0215 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6671	1400	A/D	97956		
0.3544	1300	A/D	97956		

Comment:

Manual Basin: NCL3280

Scenario: Existing
 Node: NCL3280
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.0493 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.0487	1300	A/D	97956		
0.0006	1400	A/D	97956		

Comment:

Manual Basin: NCL3290

Scenario: Existing
 Node: NCL3290
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 2.6258 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.4062	1300	A/D	97956		
0.2196	1700	A/D	97956		

Comment:

Manual Basin: NCL3300

Scenario: Existing
 Node: NCL3300
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 1.2558 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7280	1300	A/D	97956		
0.5278	1700	A/D	97956		

Comment:

Manual Basin: NCL3330

Scenario: Existing
 Node: NCL3330
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 1.0124 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.0124	1700	A/D	97956		

Comment: ERP 19405 HAS CONTROL STRUCTURE DETAIL BUT SCHOOL DRAINAGE PLANS ARE REMOVED. ASSUME POND TREATMENT. NORTH BUILDING HAS ROOF DRAINS

Manual Basin: NCL3350

Scenario: Existing
 Node: NCL3350
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.6283 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.5083	1300	A/D	97956		
0.6283	1700	A/D	97956		
1.4918	1400	A/D	97956		

Comment: Assumes parking lot connects to Gomez system

Manual Basin: NCL3360

Scenario: Existing
 Node: NCL3360
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.7811 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2765	1300	A/D	97956		
0.5047	1400	A/D	97956		

Comment:

Manual Basin: NCL3365

Scenario: Existing
 Node: NCL3365
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.1143 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9144	1300	A/D	97956		
0.5396	1700	A/D	97956		
0.6088	1400	A/D	97956		
0.0515	1400	D	97956		

Comment:

Manual Basin: NCL3370

Scenario: Existing
 Node: NCL3370
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.6219 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7110	1300	A/D	97956		
1.7604	1400	A/D	97956		
3.1505	1400	D	97956		

Comment:

Manual Basin: NCL3390

Scenario: Existing
 Node: NCL3390
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.1557 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6841	1400	A/D	97956		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4716	1400	D	97956		

Comment:

Manual Basin: NCL3430

Scenario: Existing
Node: NCL3430
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.3548 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2650	1400	A/D	97956		
0.0897	1400	D	97956		

Comment:

Manual Basin: NCL3450

Scenario: Existing
Node: NCL3450
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 6.7799 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8446	1400	D	97482		
0.1865	1400	A	97482		
1.5243	1300	A	97482		
0.6480	1300	D	97482		
3.3405	1300	A	97956		
0.0145	1300	D	97956		
0.0008	1400	D	97956		
0.2207	1400	A	97956		

Comment:

Manual Basin: NCL3470

Scenario: Existing
Node: NCL3470
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 14.9569 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.7630	1300	A	97956		
8.1939	1300	A/D	97956		

Comment:

Manual Basin: NCL3490

Scenario: Existing
Node: NCL3490
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.6895 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.6868	1300	A/D	97956		
0.0026	1300	A	97956		

Comment:

Manual Basin: NCL3510

Scenario: Existing
Node: NCL3510

Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.0542 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.8625	1300	A/D	97956		
0.1917	1400	A/D	97956		

Comment:

Manual Basin: NCL3520

Scenario: Existing
 Node: NCL3520
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.6475 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.1836	1300	A/D	97956		
2.3385	1400	A/D	97956		
0.1254	1400	D	97956		

Comment:

Manual Basin: NCL3530

Scenario: Existing
 Node: NCL3530
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.7388 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.3834	1400	A/D	97956		
2.2252	1400	D	97956		
0.1302	1300	A/D	97956		

Comment:

Manual Basin: NCL3590

Scenario: Existing
Node: NCL3590
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.6086 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3424	1400	D	97956		
0.2663	1400	A/D	97956		

Comment:

Manual Basin: NCL3630

Scenario: Existing
Node: NCL3630
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.1191 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.3313	1400	A/D	97956		
0.0160	1400	A/D	97957		
0.3019	1400	D	97957		
3.4104	1400	D	97956		
0.0596	1300	A/D	97956		

Comment:

Manual Basin: NCL3640

Scenario: Existing
Node: NCL3640
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.7355 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4920	1400	A/D	97957		
2.1272	1400	D	97957		
1.1163	1300	A/D	97957		

Comment:

Manual Basin: NCL3670

Scenario: Existing
Node: NCL3670
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.8150 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.8150	1400	D	97482		

Comment:

Manual Basin: NCL3730

Scenario: Existing
Node: NCL3730
Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.0025 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6458	1400	D	97482		
2.6610	1400	A	97482		
0.6957	1300	A	97482		

Comment:

Manual Basin: NCL3740

Scenario: Existing
 Node: NCL3740
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.2852 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1537	1300	A	97482		
1.1314	1300	A	97956		

Comment:

Manual Basin: NCL3750

Scenario: Existing
 Node: NCL3750
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 9.6366 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient	Reference ET

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4763	1400	D	97482		
3.1096	1300	D	97482		
3.0411	1300	C/D	97482		
2.0039	1300	A/D	97482		
0.0036	1300	C/D	97956		
0.0021	1300	D	97956		

Comment:

Manual Basin: NCL3770

Scenario: Existing
Node: NCL3770
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.6106 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9090	1400	D	97482		
0.2771	1400	C/D	97482		
0.1298	1400	A/D	97482		
0.7417	1300	A/D	97482		
1.4634	1300	C/D	97482		
0.0895	1300	D	97482		

Comment:

Manual Basin: NCL4000

Scenario: Existing
Node: NCL4000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 15.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 17.9325 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient	Reference ET

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.4513	1400	A	97956		
13.8820	1300	A	97956		
0.5992	8100	A	97956		

Comment:

Manual Basin: NCL4010

Scenario: Existing
Node: NCL4010
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 6.2561 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3043	1400	A	97956		
5.9518	1300	A	97956		

Comment:

Manual Basin: NOC0030

Scenario: Existing
Node: NOC0030
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 14.0811 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
14.0811	1300	A/D	97954		

Comment:

Manual Basin: NOC0050

Scenario: Existing
 Node: NOC0050
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.6402 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.6402	1300	A/D	97954		

Comment:

Manual Basin: NOC0070

Scenario: Existing
 Node: NOC0070
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.4199 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2382	1300	A/D	97954		
0.2011	1400	A/D	97954		
0.9475	1400	D	97954		
0.0330	1300	D	97954		

Comment:

Manual Basin: NOC0170

Scenario: Existing
 Node: NOC0170
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.8390 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1861	1300	A/D	97954		
0.4845	1400	A/D	97954		
3.1683	1400	D	97954		
0.0000	1300	D	97954		

Comment:

Manual Basin: NOC0190

Scenario: Existing
 Node: NOC0190
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.0120 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1957	1400	D	97954		
0.8163	8100	D	97954		

Comment:

Manual Basin: NOC0210

Scenario: Existing
 Node: NOC0210
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.6430 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.1009	1300	A/D	97954		
0.2165	1300	D	97954		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.3253	1400	D	97954		
0.0003	8100	D	97954		

Comment:

Manual Basin: NOC0250

Scenario: Existing
Node: NOC0250
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.1639 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1164	1400	D	97954		
1.0475	8100	D	97954		

Comment:

Manual Basin: NOC0270

Scenario: Existing
Node: NOC0270
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.4015 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4258	1400	D	97954		
0.9757	8100	D	97954		

Comment:

Manual Basin: NOC0310

Scenario: Existing
 Node: NOC0310
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 17.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 18.9729 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
18.2811	1400	D	97954		
0.1900	1400	C/D	97954		
0.0539	1400	A	97954		
0.0067	8100	A	97954		
0.4413	8100	D	97954		

Comment:

Manual Basin: NOC0330

Scenario: Existing
 Node: NOC0330
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.5568 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
10.4669	1400	D	97954		
0.0899	8100	D	97954		

Comment:

Manual Basin: NOC0350

Scenario: Existing
 Node: NOC0350
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 13.0000 min

Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 25.4007 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
24.8599	1400	D	97954		
0.5407	8100	D	97954		

Comment:

Manual Basin: NOC0370

Scenario: Existing
 Node: NOC0370
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 12.7970 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.1993	8100	D	97954		
0.8418	1400	D	97954		
9.7466	1400	D	97955		
0.0093	8100	D	97955		

Comment:

Manual Basin: NOC0390

Scenario: Existing
 Node: NOC0390
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.6741 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6655	1300	A/D	97955		
0.2883	1300	D	97955		
2.2986	1400	D	97955		
0.4216	1400	D	97954		

Comment:

Manual Basin: NOC0410

Scenario: Existing
Node: NOC0410
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 7.2691 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.8281	1300	A/D	97955		
0.1177	1300	D	97955		
0.2651	1400	D	97955		
0.0006	1400	A/D	97955		
0.0575	1300	A	97955		

Comment:

Manual Basin: NOC0430

Scenario: Existing
Node: NOC0430
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.0478 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.5665	1300	A/D	97955		
0.2791	1300	A	97955		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0918	1300	D	97955		
0.1103	1400	D	97955		

Comment:

Manual Basin: NOC0450

Scenario: Existing
Node: NOC0450
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.7627 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5245	1300	A/D	97955		
1.0399	1400	D	97955		
0.1522	1300	D	97955		
0.0098	1900	D	97955		
0.0364	1900	A/D	97955		

Comment:

Manual Basin: NOC0470

Scenario: Existing
Node: NOC0470
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 33.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 10.4610 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8668	1300	A/D	97955		
6.3847	1300	A	97955		
1.2116	8300	A	97955		
0.0011	1900	A/D	97955		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9966	1900	A	97955		

Comment:

Manual Basin: NOC0490

Scenario: Existing
Node: NOC0490
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 30.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.7828 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1980	1900	D	97955		
0.0017	1900	A/D	97955		
1.5664	1400	D	97955		
0.0167	8100	D	97955		

Comment:

Manual Basin: NRU0070

Scenario: Existing
Node: NRU0070
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.5705 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.5705	1300	A/D	97482		

Comment:

Manual Basin: NRU0090

Scenario: Existing
Node: NRU0090
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 15.9334 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
15.9334	1300	A/D	97482		

Comment:

Manual Basin: NRU0110

Scenario: Existing
Node: NRU0110
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 8.6410 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.8614	1300	A/D	97008		
5.7795	1300	A/D	97482		

Comment:

Manual Basin: NRU0130

Scenario: Existing
Node: NRU0130
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 3.9430 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4531	1300	A/D	97482		
3.4899	8100	A/D	97482		

Comment:

Manual Basin: NRU0165

Scenario: Existing
 Node: NRU0165
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 1.2695 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1272	1800	A/D	97482		
0.0378	8100	A/D	97482		
1.1045	1300	A/D	97482		

Comment:

Manual Basin: NRU0170

Scenario: Existing
 Node: NRU0170
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 15.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 7.7159 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.7159	1300	A/D	97482		

Comment:

Manual Basin: NRU0180

Scenario: Existing
 Node: NRU0180
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 27.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 17.2511 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
14.4634	1300	A/D	97482		
0.7702	1400	A/D	97482		
1.6649	1400	A	97482		
0.3526	1300	A	97482		

Comment:

Manual Basin: NRU0190

Scenario: Existing
 Node: NRU0190
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.6017 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4747	8100	A/D	97482		
1.1269	1300	A/D	97482		

Comment:

Manual Basin: NRU0210

Scenario: Existing
 Node: NRU0210
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.1327 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.1327	8100	A/D	97482		

Comment:

Manual Basin: NRU0230

Scenario: Existing
Node: NRU0230
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.9256 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.8642	1300	A/D	97482		
1.0613	8100	A/D	97482		

Comment: Assume ponds connect on same property

Manual Basin: NRU0250

Scenario: Existing
Node: NRU0250
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 6.5153 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.5153	1300	A/D	97482		

Comment:

Manual Basin: NRU0270

Scenario: Existing
Node: NRU0270
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.3476 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.3476	1300	A/D	97482		

Comment:

Manual Basin: NRU0290

Scenario: Existing
Node: NRU0290
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.6281 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.6281	1300	A/D	97482		

Comment:

Manual Basin: NRU0310

Scenario: Existing
Node: NRU0310
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.1315 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.1315	1300	A/D	97482		

Comment:

Manual Basin: NRU0335

Scenario: Existing
Node: NRU0335
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.2036 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.2036	1300	A/D	97482		

Comment:

Manual Basin: NRU0340

Scenario: Existing
Node: NRU0340
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 12.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.8397 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.8397	1300	A/D	97482		

Comment:

Manual Basin: NRU0345

Scenario: Existing

Node: NRU0345
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 15.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.1571 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.7808	1300	A/D	97482		
0.6642	1300	A/D	97483		
1.6797	1300	A	97482		
0.0324	1300	A	97483		

Comment:

Manual Basin: NRU0350

Scenario: Existing
 Node: NRU0350
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.0728 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9550	1300	A/D	97482		
0.1179	1300	A/D	97483		

Comment:

Manual Basin: NRU0370

Scenario: Existing
 Node: NRU0370
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 1.3204 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1027	8100	A/D	97482		
0.2298	1300	A/D	97482		
0.0670	8100	A/D	97483		
0.2460	1300	A/D	97483		
0.1188	8100	A	97483		
0.5561	1300	A	97483		

Comment:

Manual Basin: NRU0390

Scenario: Existing

Node: NRU0390

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 5.1520 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7953	8100	A/D	97482		
1.5336	8100	A/D	97483		
2.8231	8100	A	97483		

Comment:

Manual Basin: NRU0490

Scenario: Existing

Node: NRU0490

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 0.8802 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6429	1300	A	97483		
0.0887	8100	A	97483		
0.1486	1400	A	97483		

Comment:

Manual Basin: NRU0495

Scenario: Existing
Node: NRU0495
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.7046 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.2248	1400	A	97483		
0.4694	1300	A	97483		
0.0103	8100	A	97483		

Comment:

Manual Basin: NRU0500

Scenario: Existing
Node: NRU0500
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.7226 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7162	1400	A	97483		
0.0063	8100	A	97483		

Comment:

Manual Basin: NRU0510

Scenario: Existing
 Node: NRU0510
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 15.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 9.0446 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0827	1300	A/D	97483		
7.0694	1300	A	97483		
0.3066	1300	A/D	97482		
1.5816	1300	A	97482		
0.0043	8100	A	97483		

Comment:

Manual Basin: NRU0550

Scenario: Existing
 Node: NRU0550
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 15.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.6652 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
10.6649	1300	A/D	97482		
0.0002	1300	A	97482		

Comment:

Manual Basin: NRU0570

Scenario: Existing
 Node: NRU0570
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.2061 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.0481	1300	A/D	97482		
4.1580	1300	A	97482		

Comment:

Manual Basin: NRU0590

Scenario: Existing
 Node: NRU0590
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.9773 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9773	1300	A	97482		

Comment:

Manual Basin: NRU0610

Scenario: Existing
 Node: NRU0610
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 20.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 13.6775 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
13.6775	1300	A	97482		

Comment:

Manual Basin: NRU0612

Scenario: Existing
Node: NRU0612
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 18.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 10.6868 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
10.6868	1300	A	97482		

Comment:

Manual Basin: NRU0616

Scenario: Existing
Node: NRU0616
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.4792 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8728	1300	A	97483		
0.6064	1300	A	97482		

Comment:

Manual Basin: NRU0618

Scenario: Existing
Node: NRU0618
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 4.1786 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.2382	1300	A	97483		
0.9404	1300	A	97482		

Comment:

Manual Basin: NRU0620

Scenario: Existing
 Node: NRU0620
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 6.4480 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.4382	1300	A	97482		
0.0098	1300	A/D	97482		

Comment:

Manual Basin: NRU0630

Scenario: Existing
 Node: NRU0630
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 4.6761 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.6761	1300	A	97482		

Comment:

Manual Basin: NRU0650

Scenario: Existing
Node: NRU0650
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 13.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 8.8666 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.8666	1300	A	97482		

Comment:

Manual Basin: NRU0690

Scenario: Existing
Node: NRU0690
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.5910 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.5910	1300	A	97482		

Comment:

Manual Basin: NRU0710

Scenario: Existing
Node: NRU0710
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 7.2980 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.2980	1300	A	97482		

Comment:

Manual Basin: NRU0730

Scenario: Existing
Node: NRU0730
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 15.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 12.8353 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
12.8353	1300	A	97482		

Comment:

Manual Basin: NRU0740

Scenario: Existing
Node: NRU0740
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.2562 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.2562	1300	A	97482		

Comment:

Manual Basin: NRU0745

Scenario: Existing

Node: NRU0745
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.4582 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.4582	1300	A	97482		

Comment:

Manual Basin: NRU0750

Scenario: Existing
 Node: NRU0750
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 20.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 15.7082 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
15.0321	1300	A	97482		
0.6761	1400	A	97482		

Comment:

Manual Basin: NRU0785

Scenario: Existing
 Node: NRU0785
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.3526 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient	Reference ET

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.7187	1300	A	97482		
0.1093	1300	A	97483		
0.5053	1400	A	97482		
0.0193	1400	A	97483		

Comment:

Manual Basin: NRU0790

Scenario: Existing
Node: NRU0790
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 15.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 9.0594 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3869	1400	A	97483		
4.6360	1400	A	97482		
0.0050	1300	A	97482		
4.0315	1400	D	97482		

Comment:

Manual Basin: NRU0830

Scenario: Existing
Node: NRU0830
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.1448 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2160	1400	A	97483		
1.3643	1400	A	97482		
0.0959	1400	D	97482		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1497	1300	A	97483		
0.3189	1300	A	97482		

Comment:

Manual Basin: NRU0890

Scenario: Existing
Node: NRU0890
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.2093 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2057	1400	A	97482		
1.3396	1300	A	97482		
0.3680	1300	A	97483		
0.8861	5300	A	97482		
0.2938	5300	A	97483		
0.1160	1400	A	97483		

Comment:

Manual Basin: NRU0930

Scenario: Existing
Node: NRU0930
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.7012 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.5013	1300	A	97483		
0.1999	1300	A	97482		

Comment:

Manual Basin: NRU0950

Scenario: Existing
Node: NRU0950
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.7985 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0709	1400	D	97482		
0.4050	1400	A	97482		
1.3226	1300	A	97482		

Comment:

Manual Basin: NRU0955

Scenario: Existing
Node: NRU0955
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.8435 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.0964	1300	A	97482		
1.7471	1300	A	97956		

Comment:

Manual Basin: NRU0960

Scenario: Existing
Node: NRU0960

Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.2794 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2794	1300	A	97956		

Comment:

Manual Basin: NRU0965

Scenario: Existing
Node: NRU0965
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 6.6879 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.8978	1300	A	97956		
1.7901	1300	A/D	97956		

Comment:

Manual Basin: NRU0970

Scenario: Existing
Node: NRU0970
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.6908 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4593	1400	A	97483		
0.3510	1400	A	97482		
0.2604	1300	A	97482		
0.0003	1300	A	97483		
0.0657	1400	A	97956		
1.5542	1300	A	97956		

Comment:

Manual Basin: NRU1010

Scenario: Existing
 Node: NRU1010
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.3089 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2367	1400	A	97483		
0.9826	1300	A	97483		
0.0339	1300	A/D	97483		
0.0558	1400	A/D	97483		

Comment:

Manual Basin: NRU1015

Scenario: Existing
 Node: NRU1015
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.4853 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9018	1300	A	97483		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1720	1400	A	97483		
0.7445	1400	A/D	97483		
0.6630	1300	A/D	97483		
0.0040	1400	A/D	97957		

Comment:

Manual Basin: NRU1020

Scenario: Existing
 Node: NRU1020
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.3193 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.3080	1300	A	97483		
0.0113	1300	A/D	97483		

Comment:

Manual Basin: NRU1030

Scenario: Existing
 Node: NRU1030
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.0154 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.8477	1400	A/D	97957		
1.3017	1300	A/D	97957		
1.5655	1300	A	97956		
0.1038	1300	A	97957		
0.1967	1300	A/D	97956		

Comment: CHEAP roof drains on west side of building

Manual Basin: NRU1035

Scenario: Existing
 Node: NRU1035
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.2098 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2098	1400	A/D	97957		

Comment:

Manual Basin: NRU1040

Scenario: Existing
 Node: NRU1040
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.3126 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1340	1400	A	97483		
0.0188	1400	A	97482		
0.2082	1400	A	97957		
0.0263	1400	A	97956		
1.1956	1300	A	97957		
0.4509	1300	A	97956		
0.9643	1400	A/D	97957		
0.3146	1300	A/D	97957		

Comment:

Manual Basin: NRU1045

Scenario: Existing
 Node: NRU1045
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.9788 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.5370	1400	A/D	97483		
0.1519	1400	A	97483		
3.2214	1400	A/D	97957		
0.0685	1400	A	97957		

Comment:

Manual Basin: NRU1050

Scenario: Existing
 Node: NRU1050
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.3263 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.2529	1300	A/D	97957		
0.1284	1400	A/D	97957		
3.2071	1300	A/D	97956		
0.6420	1300	A	97956		
0.0958	1400	A/D	97956		

Comment:

Manual Basin: NRU1070

Scenario: Existing
 Node: NRU1070
 Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.3113 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.4912	1300	A/D	97957		
0.4073	1300	A/D	97956		
2.7103	1400	A/D	97957		
0.6749	1400	A/D	97956		
0.0277	1400	D	97957		

Comment:

Manual Basin: NRU1110

Scenario: Existing
 Node: NRU1110
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.4386 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9243	1300	A	97482		
1.5143	1300	A	97483		

Comment:

Manual Basin: NRU1150

Scenario: Existing
 Node: NRU1150
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 5.6589 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.3204	1300	A	97482		
1.3385	1300	A	97483		

Comment:

Manual Basin: NRU1170

Scenario: Existing
Node: NRU1170
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 10.2984 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.0988	1300	A	97482		
5.9207	1300	A	97483		
0.2789	1400	A	97483		

Comment:

Manual Basin: NRU1182

Scenario: Existing
Node: NRU1182
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 1.2927 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0312	1300	A	97483		
1.2614	1700	A	97483		

Comment:

Manual Basin: NRU1185

Scenario: Existing
 Node: NRU1185
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 13.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.4406 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.5105	1300	A	97483		
2.5737	1400	A	97483		
1.3564	1700	A	97483		

Comment:

Manual Basin: NRU1188

Scenario: Existing
 Node: NRU1188
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.3012 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.1053	1300	A	97483		
1.1958	1700	A	97483		

Comment:

Manual Basin: NRU1220

Scenario: Existing
 Node: NRU1220
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 13.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.9601 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.7034	1300	A	97483		
0.3380	1300	A	97482		
0.9187	1400	A	97483		

Comment:

Manual Basin: NRU1225

Scenario: Existing
 Node: NRU1225
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.5031 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5031	1300	A	97483		

Comment:

Manual Basin: NRU1234

Scenario: Existing
 Node: NRU1234
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.2454 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2037	1700	A	97483		
0.0002	1300	A	97483		
0.0416	1400	A	97483		

Comment:

Manual Basin: NRU1240

Scenario: Existing
Node: NRU1240
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.3933 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.3919	1400	A	97483		
0.0014	1300	A	97483		

Comment:

Manual Basin: NRU1250

Scenario: Existing
Node: NRU1250
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.0793 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3808	8100	A/D	97008		
0.1567	1300	A/D	97008		
0.2537	1300	A/D	97482		
0.2882	8100	A/D	97482		

Comment:

Manual Basin: NRU1270

Scenario: Existing

Node: NRU1270
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.0265 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.7322	1300	A/D	97008		
1.2943	1300	A/D	97482		

Comment:

Manual Basin: NRU1330

Scenario: Existing
 Node: NRU1330
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.6339 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1447	8100	A/D	97482		
0.2164	1300	A/D	97482		
1.2727	1800	A/D	97482		

Comment:

Manual Basin: NRU1350

Scenario: Existing
 Node: NRU1350
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 1.7533 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.7533	1300	A/D	97482		

Comment:

Manual Basin: NRU1370

Scenario: Existing
 Node: NRU1370
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 6.3283 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.5186	1300	A/D	97008		
0.0402	1400	A/D	97008		
4.3960	1300	A/D	97482		
1.3735	1400	A/D	97482		

Comment:

Manual Basin: NRU1390

Scenario: Existing
 Node: NRU1390
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 16.3781 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
12.9929	1300	A/D	97482		
2.6523	1400	A/D	97482		
0.7329	1800	A/D	97482		

Comment:

Manual Basin: NRU1410

Scenario: Existing
 Node: NRU1410
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.7877 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.4994	1400	A/D	97482		
6.1874	1300	A/D	97482		
0.1009	1820	A/D	97482		

Comment:

Manual Basin: NRU1430

Scenario: Existing
 Node: NRU1430
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 9.5087 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9651	1400	A/D	97008		
3.2907	1300	A/D	97008		
1.2781	1400	A/D	97482		
1.9747	1300	A/D	97482		

Comment:

Manual Basin: NRU1450

Scenario: Existing
 Node: NRU1450
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.2294 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.2390	1400	A/D	97008		
3.9904	1300	A/D	97008		

Comment:

Manual Basin: NRU1490

Scenario: Existing
 Node: NRU1490
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.3216 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.3072	1400	A/D	97008		
0.0145	8100	A/D	97008		

Comment:

Manual Basin: NRU1510

Scenario: Existing
 Node: NRU1510
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.4857 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0613	1820	A/D	97482		
4.0198	1300	A/D	97482		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8969	1400	A/D	97482		
0.3482	1820	A	97482		
2.8706	1300	A	97482		
0.2596	1400	A	97482		
0.0293	1800	A	97482		

Comment:

Manual Basin: NRU1530

Scenario: Existing
Node: NRU1530
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.8215 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0073	1300	A/D	97482		
1.0664	1820	A/D	97482		
0.7478	1820	A	97482		

Comment:

Manual Basin: NRU1550

Scenario: Existing
Node: NRU1550
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.3558 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.0123	1300	A/D	97482		
0.0447	1820	A/D	97482		
0.3531	1820	A	97482		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9456	1300	A	97482		

Comment:

Manual Basin: NRU1570

Scenario: Existing
Node: NRU1570
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.9266 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9266	1300	A/D	97482		

Comment:

Manual Basin: NRU1590

Scenario: Existing
Node: NRU1590
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.1239 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8642	1300	A/D	97482		
0.2558	1820	A/D	97482		
0.0040	1820	A	97482		

Comment:

Manual Basin: NRU1610

Scenario: Existing
 Node: NRU1610
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.6841 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.8309	1300	A/D	97482		
1.3310	1300	C/D	97482		
0.3939	1820	A/D	97482		
0.1283	1820	C/D	97482		

Comment:

Manual Basin: NRU1650

Scenario: Existing
 Node: NRU1650
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.6442 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4600	1300	A/D	97482		
7.0760	1300	C/D	97482		
0.1082	1820	C/D	97482		

Comment:

Manual Basin: NRU1670

Scenario: Existing
 Node: NRU1670
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 14.8381 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
14.4600	1300	C/D	97482		
0.2659	1700	C/D	97482		
0.0234	1300	A/D	97482		
0.0180	1700	D	97482		
0.0505	1300	D	97482		
0.0204	1820	C/D	97482		

Comment:

Manual Basin: NRU1690

Scenario: Existing
 Node: NRU1690
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.0769 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2375	1700	D	97482		
0.6127	1700	C/D	97482		
2.5293	1300	C/D	97482		
0.6975	1300	D	97482		

Comment:

Manual Basin: NRU1730

Scenario: Existing
 Node: NRU1730
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 5.5630 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9199	1300	C/D	97482		
2.2692	1820	C/D	97482		
0.3740	5300	C/D	97482		

Comment:

Manual Basin: NRU1770

Scenario: Existing

Node: NRU1770

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 1.2748 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6910	1820	C/D	97482		
0.5838	1300	C/D	97482		

Comment:

Manual Basin: NRU1790

Scenario: Existing

Node: NRU1790

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 2.8045 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.8045	1820	C/D	97482		

Comment:

Manual Basin: NRU1810

Scenario: Existing
 Node: NRU1810
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.6712 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.3317	1820	C/D	97482		
0.3395	5300	C/D	97482		

Comment:

Manual Basin: NRU1830

Scenario: Existing
 Node: NRU1830
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.2746 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.7041	1820	C/D	97482		
2.4386	1300	C/D	97482		
0.1319	1300	A/D	97482		

Comment:

Manual Basin: NRU1890

Scenario: Existing
 Node: NRU1890
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.9910 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.5927	1300	C/D	97482		
0.3983	1300	A/D	97482		

Comment:

Manual Basin: NRU1910

Scenario: Existing
 Node: NRU1910
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.2999 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.2336	1300	C/D	97482		
3.0663	1300	A/D	97482		

Comment:

Manual Basin: NRU1930

Scenario: Existing
 Node: NRU1930
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.2841 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1560	1820	A/D	97482		
6.1047	1820	A	97482		
0.0212	1300	A	97482		
0.0022	1800	A	97482		

Comment:

Manual Basin: NRU1990

Scenario: Existing
Node: NRU1990
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 56.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.6087 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8070	1820	A	97482		
2.0906	1820	A/D	97482		
0.7112	1820	C/D	97482		

Comment:

Manual Basin: NRU2010

Scenario: Existing
Node: NRU2010
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.8104 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.7289	1820	C/D	97482		
0.0814	1300	C/D	97482		

Comment:

Manual Basin: NRU2030

Scenario: Existing

Node: NRU2030
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 28.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.2671 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.2452	1820	C/D	97482		
0.0220	1820	A	97482		

Comment:

Manual Basin: NRU2070

Scenario: Existing
 Node: NRU2070
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.3101 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.0733	1820	C/D	97482		
0.2368	5300	C/D	97482		

Comment:

Manual Basin: NRU2090

Scenario: Existing
 Node: NRU2090
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 79.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.2298 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0527	1820	A/D	97482		
2.6158	1820	A	97482		
1.5612	1820	C/D	97482		

Comment:

Manual Basin: NRU2110

Scenario: Existing
Node: NRU2110
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.6852 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.6393	1820	A	97482		
0.0459	1820	C/D	97482		

Comment:

Manual Basin: NRU2130

Scenario: Existing
Node: NRU2130
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.5209 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5132	1820	C/D	97482		
0.0077	1820	A	97482		

Comment:

Manual Basin: NRU2150

Scenario: Existing
 Node: NRU2150
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 29.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.6703 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.6701	1820	C/D	97482		
0.0002	5300	C/D	97482		

Comment:

Manual Basin: NRU2190

Scenario: Existing
 Node: NRU2190
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.7804 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.1449	1820	C/D	97482		
0.6356	5300	C/D	97482		

Comment:

Manual Basin: NRU2230

Scenario: Existing
 Node: NRU2230
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 6.5224 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.7651	1820	A	97482		
1.6944	5300	A	97482		
1.9385	1820	C/D	97482		
0.1244	5300	C/D	97482		

Comment:

Manual Basin: NRU2250

Scenario: Existing

Node: NRU2250

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 2.4592 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.0391	1820	A	97482		
0.4200	5300	A	97482		

Comment:

Manual Basin: NRU2270

Scenario: Existing

Node: NRU2270

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 27.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 5.8116 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.8116	1820	C/D	97482		

Comment:

Manual Basin: NRU2290

Scenario: Existing
Node: NRU2290
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 29.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.5428 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.5677	1820	C/D	97482		
1.9751	1300	C/D	97482		

Comment:

Manual Basin: NRU2310

Scenario: Existing
Node: NRU2310
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.4937 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2163	1820	C/D	97482		
1.2774	1300	C/D	97482		

Comment:

Manual Basin: NRU2330

Scenario: Existing
Node: NRU2330
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 56.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 4.2881 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1778	1820	A	97482		
2.0877	1820	C/D	97482		
2.0225	1300	C/D	97482		

Comment:

Manual Basin: NRU2390

Scenario: Existing

Node: NRU2390

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 2.8038 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9834	1820	C/D	97482		
1.0319	1820	A	97482		
0.5080	5300	A	97482		
0.2318	5300	C/D	97482		
0.0291	1820	A/D	97482		
0.0195	1300	C/D	97482		

Comment:

Manual Basin: NRU2410

Scenario: Existing

Node: NRU2410

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 3.1353 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.1352	1820	A	97482		
0.0000	1820	C/D	97482		

Comment:

Manual Basin: NRU2430

Scenario: Existing
Node: NRU2430
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 52.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 9.2471 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.8911	1820	A	97482		
0.0344	1820	A/D	97482		
0.0234	1820	C/D	97482		
0.7924	1300	C/D	97482		
0.8716	1300	A/D	97482		
1.6341	1300	A	97482		

Comment:

Manual Basin: NRU2450

Scenario: Existing
Node: NRU2450
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.7414 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.7302	1820	A	97482		
0.0112	1800	A	97482		

Comment:

Manual Basin: NRU2490

Scenario: Existing
 Node: NRU2490
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.2343 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.3667	1800	A	97482		
1.8676	1820	A	97482		

Comment:

Manual Basin: NRU2550

Scenario: Existing
 Node: NRU2550
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.2667 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0288	1300	A	97482		
1.5707	1400	A	97482		
3.1500	1800	A	97482		
0.0106	1820	A	97482		
0.9046	1400	A/D	97482		
0.6021	1300	A/D	97482		

Comment:

Manual Basin: NRU2570

Scenario: Existing
 Node: NRU2570
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 12.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 9.4682 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.5996	1800	A	97482		
1.0828	1400	A	97482		
0.3515	1820	A	97482		
1.8422	1300	A/D	97482		
0.1124	1400	A/D	97482		
3.4797	1300	A	97482		

Comment:

Manual Basin: NRU2590

Scenario: Existing
 Node: NRU2590
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.8716 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0965	1300	A/D	97482		
0.7751	1300	A	97482		

Comment:

Manual Basin: NRU2610

Scenario: Existing
 Node: NRU2610
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number

Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.4683 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.1549	1300	A	97482		
0.9905	1300	A/D	97482		
0.3229	1820	A	97482		

Comment:

Manual Basin: NRU2630

Scenario: Existing
 Node: NRU2630
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.4474 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.1250	1300	A	97482		
0.3224	1820	A	97482		

Comment:

Manual Basin: NRU2650

Scenario: Existing
 Node: NRU2650
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.4821 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.1392	1300	A	97482		
0.3429	1820	A	97482		

Comment:

Manual Basin: NRU2670

Scenario: Existing
Node: NRU2670
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 6.8282 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2885	1300	A/D	97008		
6.4714	1300	A/D	97482		
0.0683	1300	C/D	97482		

Comment:

Manual Basin: NRU2690

Scenario: Existing
Node: NRU2690
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 60.9803 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8658	1400	A/D	97008		
21.9587	1300	A/D	97008		
12.6064	1300	A/D	97482		
24.2615	1300	C/D	97482		
0.0000	1300	C/D	97008		
1.2879	1700	C/D	97482		

Comment:

Manual Basin: NSH20

Scenario: Existing
Node: NSH20
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.9879 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4945	1300	A/D	97483		
0.4896	1300	A	97483		
0.0038	1400	A	97483		

Comment:

Manual Basin: NSR0030

Scenario: Existing
Node: NSR0030
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.5719 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6929	1300	A	97480		
0.9228	5400	A	97480		
1.0943	5400	W	97480		
0.3865	1300	A/D	97480		
0.4693	5400	A/D	97480		
0.0063	1300	W	97480		

Comment:

Manual Basin: NSR0032

Scenario: Existing
 Node: NSR0032
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.5073 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.7232	1300	A	97480		
1.7663	1300	A/D	97480		
0.0178	1300	W	97480		

Comment:

Manual Basin: NSR0034

Scenario: Existing
 Node: NSR0034
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 13.8157 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.4621	1300	A/D	97480		
4.3536	1300	A	97480		

Comment:

Manual Basin: NSR0050

Scenario: Existing
 Node: NSR0050
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.8984 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9647	1300	A/D	97480		
0.9337	5400	A/D	97480		

Comment:

Manual Basin: NSR0070

Scenario: Existing
 Node: NSR0070
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.5624 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0568	1300	A/D	97481		
3.4691	1300	A/D	97480		
0.0364	5400	A/D	97480		

Comment:

Manual Basin: NSR0090

Scenario: Existing
 Node: NSR0090
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.8858 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.8853	1300	A/D	97480		
0.0005	1300	A/D	97481		

Comment:

Manual Basin: NSR0100

Scenario: Existing
Node: NSR0100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.1125 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.3774	1300	A/D	97480		
0.7351	1300	A	97480		

Comment:

Manual Basin: NSR0102

Scenario: Existing
Node: NSR0102
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.9685 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9193	1300	A/D	97480		
0.0492	1300	A	97480		

Comment:

Manual Basin: NSR0105

Scenario: Existing
Node: NSR0105
Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.2784 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2314	1300	A/D	97480		
0.0470	1300	A	97480		

Comment:

Manual Basin: NSR0110

Scenario: Existing
 Node: NSR0110
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.5080 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.5080	1300	A/D	97480		

Comment:

Manual Basin: NSR0112

Scenario: Existing
 Node: NSR0112
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.3329 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3329	1300	A/D	97480		

Comment:

Manual Basin: NSR0115

Scenario: Existing
Node: NSR0115
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.6321 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6321	1300	A/D	97480		

Comment:

Manual Basin: NSR0120

Scenario: Existing
Node: NSR0120
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.4524 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.4524	1300	A/D	97480		

Comment:

Manual Basin: NSR0130

Scenario: Existing
Node: NSR0130
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number

Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.0325 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.0325	1300	A/D	97480		

Comment:

Manual Basin: NSR0135

Scenario: Existing
Node: NSR0135
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.0019 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.0019	1300	A/D	97480		

Comment:

Manual Basin: NSR0140

Scenario: Existing
Node: NSR0140
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.9814 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9814	1300	A/D	97480		

Comment:

Manual Basin: NSR0150

Scenario: Existing
Node: NSR0150
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.4229 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0961	1300	A/D	97480		
0.1332	1300	A/D	97481		
0.1936	1800	A/D	97481		

Comment:

Manual Basin: NSR0160

Scenario: Existing
Node: NSR0160
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.1118 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.0816	1300	A/D	97480		
0.0302	1300	A/D	97481		

Comment:

Manual Basin: NSR0165

Scenario: Existing
Node: NSR0165
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr

Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.8662 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8264	1300	A/D	97480		
0.0397	1300	A/D	97481		

Comment:

Manual Basin: NSR0170

Scenario: Existing
Node: NSR0170
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.8156 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8156	1300	A/D	97480		

Comment:

Manual Basin: NSR0180

Scenario: Existing
Node: NSR0180
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.8255 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.7332	1300	A/D	97480		
0.0922	1300	A/D	97481		

Comment:

Manual Basin: NSR0190

Scenario: Existing
 Node: NSR0190
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.8511 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3687	1300	A/D	97480		
0.4825	1300	A/D	97481		

Comment:

Manual Basin: NSR0210

Scenario: Existing
 Node: NSR0210
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.1410 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6343	1300	A/D	97481		
0.0015	1800	A/D	97481		
0.5052	1300	A/D	97480		

Comment:

Manual Basin: NSR0230

Scenario: Existing
 Node: NSR0230
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.5473 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.0950	1300	A/D	97481		
2.4523	1300	A/D	97480		

Comment:

Manual Basin: NSR0270

Scenario: Existing
Node: NSR0270
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.8639 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0458	1800	A/D	97481		
0.8979	1300	A/D	97480		
3.9201	1300	A/D	97481		

Comment:

Manual Basin: NSR0280

Scenario: Existing
Node: NSR0280
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.4029 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.4029	1300	A/D	97481		

Comment:

Manual Basin: NSR0281

Scenario: Existing
Node: NSR0281
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.0897 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.0897	1300	A/D	97481		

Comment:

Manual Basin: NSR0290

Scenario: Existing
Node: NSR0290
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 6.2170 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.2170	1300	A/D	97481		

Comment:

Manual Basin: NSR0310

Scenario: Existing
Node: NSR0310
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 21.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 16.1088 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0360	1400	A/D	97481		
10.1506	1700	A/D	97481		
5.9222	1300	A/D	97481		

Comment:

Manual Basin: NSR0370

Scenario: Existing
Node: NSR0370
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.9327 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.9217	1700	A/D	97481		
0.0110	1300	A/D	97481		

Comment:

Manual Basin: NSR0390

Scenario: Existing
Node: NSR0390
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 23.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.0658 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2946	1300	A/D	97481		
2.7713	1700	A/D	97481		

Comment:

Manual Basin: NSR0430

Scenario: Existing
Node: NSR0430
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.2328 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.7346	1700	A/D	97481		
0.4982	1300	A/D	97481		

Comment:

Manual Basin: NSR0450

Scenario: Existing
Node: NSR0450
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 22.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.8329 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1758	1300	A/D	97481		
3.6571	1700	A/D	97481		

Comment:

Manual Basin: NSR0470

Scenario: Existing
Node: NSR0470
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 2.7787 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.7787	1300	A/D	97481		

Comment:

Manual Basin: NSR0490

Scenario: Existing

Node: NSR0490

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 14.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 4.8575 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.8575	1300	A/D	97481		

Comment:

Manual Basin: NSR0510

Scenario: Existing

Node: NSR0510

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 14.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 2.2225 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.2225	1300	A/D	97481		

Comment:

Manual Basin: NSR0530

Scenario: Existing
Node: NSR0530
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.1079 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2199	1300	A/D	97480		
2.8880	1300	A/D	97481		

Comment:

Manual Basin: NSR0540

Scenario: Existing
Node: NSR0540
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.1820 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.1792	1300	A/D	97481		
0.0028	1300	A/D	97480		

Comment:

Manual Basin: NSR0550

Scenario: Existing
Node: NSR0550
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 1.4950 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.3008	1300	A/D	97481		
0.1942	1300	A/D	97480		

Comment:

Manual Basin: NSR0560

Scenario: Existing

Node: NSR0560

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 14.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 7.8730 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.2038	1300	A/D	97481		
0.6692	1300	A/D	97480		

Comment:

Manual Basin: NSR0570

Scenario: Existing

Node: NSR0570

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 14.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 4.5001 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.1522	1300	A/D	97481		
0.3479	1300	A/D	97480		

Comment:

Manual Basin: NSR0580

Scenario: Existing
 Node: NSR0580
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.5362 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.9697	1300	A/D	97481		
1.5665	1300	A	97481		

Comment:

Manual Basin: NSR0590

Scenario: Existing
 Node: NSR0590
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.6611 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.6611	1300	A/D	97481		

Comment:

Manual Basin: NSR0610

Scenario: Existing
 Node: NSR0610
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 4.4880 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.4880	1300	A/D	97481		

Comment:

Manual Basin: NSR0650

Scenario: Existing
 Node: NSR0650
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 8.2984 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.3918	1300	A/D	97481		
0.9066	1300	A	97481		

Comment:

Manual Basin: NSR0660

Scenario: Existing
 Node: NSR0660
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 2.2774 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9902	1300	A/D	97481		
0.2871	1300	A	97481		

Comment:

Manual Basin: NSR0680

Scenario: Existing
Node: NSR0680
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.3646 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.7806	1300	A/D	97481		
1.5840	1300	A/D	97480		

Comment:

Manual Basin: NSR0730

Scenario: Existing
Node: NSR0730
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 11.2491 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
11.2491	1300	A/D	97481		

Comment:

Manual Basin: NSR0770

Scenario: Existing
Node: NSR0770
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 2.0172 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.0172	1300	A/D	97481		

Comment:

Manual Basin: NSR0780

Scenario: Existing
 Node: NSR0780
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 3.2311 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.2311	1300	A/D	97481		

Comment:

Manual Basin: NSR0790

Scenario: Existing
 Node: NSR0790
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 25.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 17.9154 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
10.6602	1300	A/D	97481		
7.2552	1700	A/D	97481		

Comment:

Manual Basin: NSR0810

Scenario: Existing
 Node: NSR0810
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 21.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.7174 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9131	1700	A/D	97481		
3.8044	1300	A/D	97481		

Comment:

Manual Basin: NSR0830

Scenario: Existing
 Node: NSR0830
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 19.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 23.6571 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2753	1400	A/D	97481		
19.9901	1300	A/D	97481		
3.3917	1700	A/D	97481		

Comment:

Manual Basin: NSR0840

Scenario: Existing
 Node: NSR0840
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.8766 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.6235	1400	A/D	97481		
0.2531	1300	A/D	97481		

Comment:

Manual Basin: NSR0850

Scenario: Existing
Node: NSR0850
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 7.3592 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.7670	1400	A/D	97481		
5.5922	1300	A/D	97481		

Comment:

Manual Basin: NSR0860

Scenario: Existing
Node: NSR0860
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.6225 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.6225	1300	A/D	97481		

Comment:

Manual Basin: NSR0870

Scenario: Existing
 Node: NSR0870
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.5092 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5092	1400	A/D	97481		

Comment:

Manual Basin: NSR0880

Scenario: Existing
 Node: NSR0880
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.5097 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5461	1400	A/D	97481		
2.2860	1400	D	97481		
1.5455	1300	A/D	97481		
0.1321	1300	D	97481		

Comment:

Manual Basin: NSR0881

Scenario: Existing
 Node: NSR0881
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.2181 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9194	1400	D	97481		
0.1466	1300	D	97481		
0.0044	1300	A/D	97481		
0.1335	1700	D	97481		
0.0141	1700	A/D	97481		

Comment:

Manual Basin: NSR0890

Scenario: Existing
Node: NSR0890
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 8.0131 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.7212	1300	A/D	97481		
3.9859	1800	A/D	97481		
0.3060	5300	A/D	97481		

Comment:

Manual Basin: NSR0910

Scenario: Existing
Node: NSR0910
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.2129 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.3757	1300	A/D	97481		
0.8372	1800	A/D	97481		

Comment:

Manual Basin: NSR0930

Scenario: Existing
Node: NSR0930
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 8.9711 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.5193	1300	A/D	97481		
0.4518	5300	A/D	97481		

Comment:

Manual Basin: NSR0950

Scenario: Existing
Node: NSR0950
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 14.0039 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
13.7571	1300	A/D	97481		
0.2467	1400	A/D	97481		

Comment:

Manual Basin: NSR1010

Scenario: Existing
 Node: NSR1010
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.0137 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1854	1400	A/D	97481		
0.8282	1300	A/D	97481		

Comment:

Manual Basin: NSR1030

Scenario: Existing
 Node: NSR1030
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.1569 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0381	1400	A/D	97481		
0.1188	1300	A/D	97481		

Comment:

Manual Basin: NSR1050

Scenario: Existing
 Node: NSR1050
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 0.8440 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.5187	1300	A/D	97481		
0.3253	1400	A/D	97481		

Comment:

Manual Basin: NSR1070

Scenario: Existing

Node: NSR1070

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 14.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 20.9918 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.4824	1300	A/D	97481		
13.4034	1400	A/D	97481		
0.1060	1700	A/D	97481		

Comment:

Manual Basin: NSR1090

Scenario: Existing

Node: NSR1090

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 0.2749 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2749	1300	A/D	97481		

Comment:

Manual Basin: NSR1110

Scenario: Existing
Node: NSR1110
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.6851 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6851	1300	A/D	97481		

Comment:

Manual Basin: NSR1130

Scenario: Existing
Node: NSR1130
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 16.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 6.5665 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2059	1300	A/D	97481		
6.3605	1400	A/D	97481		

Comment:

Manual Basin: NSR1150

Scenario: Existing
Node: NSR1150
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 1.6292 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2676	1300	A/D	97481		
1.3616	1400	A/D	97481		

Comment:

Manual Basin: NSR1190

Scenario: Existing
 Node: NSR1190
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 0.3456 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3456	1300	A/D	97481		

Comment:

Manual Basin: NSR1210

Scenario: Existing
 Node: NSR1210
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 5.8115 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.9527	1300	A/D	97481		
0.8587	1400	A/D	97481		

Comment:

Manual Basin: NSR1290

Scenario: Existing
Node: NSR1290
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.9738 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9738	1300	A/D	97481		

Comment:

Manual Basin: NSR1310

Scenario: Existing
Node: NSR1310
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 7.2211 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.9137	1300	A/D	97481		
1.3074	1400	A/D	97481		

Comment:

Manual Basin: NSR1330

Scenario: Existing
Node: NSR1330
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 0.3336 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3336	1300	A/D	97481		

Comment:

Manual Basin: NSR1350

Scenario: Existing
Node: NSR1350
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 31.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 13.8927 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
12.4993	1300	A/D	97481		
1.2382	8300	A/D	97481		
0.1551	1400	A/D	97481		

Comment:

Manual Basin: NSR1390

Scenario: Existing
Node: NSR1390
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 0.9619 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9619	1300	A/D	97481		

Comment:

Manual Basin: NSR1410

Scenario: Existing
Node: NSR1410
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.6248 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.6248	1300	A/D	97481		

Comment:

Manual Basin: NSR1430

Scenario: Existing
Node: NSR1430
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.7061 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.7061	1300	A/D	97481		

Comment:

Manual Basin: NSR1450

Scenario: Existing
Node: NSR1450
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 9.3736 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.9527	1300	A/D	97481		
0.4209	5300	A/D	97481		

Comment:

Manual Basin: NSR1470

Scenario: Existing
 Node: NSR1470
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.6192 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.6192	1300	A/D	97481		

Comment:

Manual Basin: NSR1490

Scenario: Existing
 Node: NSR1490
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 24.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 16.7549 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
15.9075	1300	A/D	97481		
0.4399	1400	A/D	97481		
0.4075	5300	A/D	97481		

Comment:

Manual Basin: NSR1510

Scenario: Existing
Node: NSR1510
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 36.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 14.9575 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.1721	1400	A/D	97481		
11.7853	1300	A/D	97481		

Comment:

Manual Basin: NSR1530

Scenario: Existing
Node: NSR1530
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.4394 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4394	1300	A/D	97481		

Comment:

Manual Basin: NSR1550

Scenario: Existing
Node: NSR1550
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 0.3905 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3905	1300	A/D	97481		

Comment:

Manual Basin: NSR1570

Scenario: Existing
Node: NSR1570
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 1.0108 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.0108	1300	A/D	97481		

Comment:

Manual Basin: NSR1590

Scenario: Existing
Node: NSR1590
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 3.4326 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.4326	1300	A/D	97481		

Comment:

Manual Basin: NSR1610

Scenario: Existing
 Node: NSR1610
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.3518 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.3518	1300	A/D	97481		

Comment:

Manual Basin: NSR1630

Scenario: Existing
 Node: NSR1630
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.3270 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3270	1300	A/D	97481		

Comment:

Manual Basin: NSR1650

Scenario: Existing
 Node: NSR1650
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.8103 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8103	1300	A/D	97481		

Comment:

Manual Basin: NSR1670

Scenario: Existing
 Node: NSR1670
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 16.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.1548 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.0780	1300	A/D	97481		
0.0768	1400	A/D	97481		

Comment:

Manual Basin: NSR1690

Scenario: Existing
 Node: NSR1690
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.3796 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1027	1300	C/D	97481		
0.2513	1300	A/D	97481		
0.0256	1400	C/D	97481		

Comment:

Manual Basin: NSR1710

Scenario: Existing
 Node: NSR1710
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.0525 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0071	1400	C/D	97481		
0.0692	1300	C/D	97481		
1.4379	1300	A/D	97481		
0.3118	1300	D	97481		
0.1863	1400	D	97481		
0.0402	1400	A/D	97481		

Comment:

Manual Basin: NSR1730

Scenario: Existing
 Node: NSR1730
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.3641 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0009	1300	A/D	97481		
0.1966	1300	C/D	97481		
0.1978	1400	C/D	97481		
0.0027	1700	C/D	97481		
0.9548	1400	D	97481		
0.0113	1700	D	97481		

Comment:

Manual Basin: NSR1750

Scenario: Existing
 Node: NSR1750
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.8526 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4751	1300	A/D	97481		
0.3775	1300	C/D	97481		

Comment:

Manual Basin: NSR1770

Scenario: Existing
 Node: NSR1770
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.5465 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8766	1400	D	97481		
0.0138	1700	D	97481		
0.5923	1400	A/D	97481		
0.0638	1300	A/D	97481		

Comment:

Manual Basin: NSR1790

Scenario: Existing
 Node: NSR1790
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.5648 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.2606	1400	D	97481		
0.0687	1300	A/D	97481		
0.0356	1400	A/D	97481		
0.1988	1700	D	97481		
0.0010	1300	D	97481		

Comment:

Manual Basin: NSR1810

Scenario: Existing
Node: NSR1810
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.8907 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8885	1400	D	97481		
0.0013	1300	A/D	97481		
0.0009	1300	D	97481		

Comment:

Manual Basin: NSR1830

Scenario: Existing
Node: NSR1830
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 15.9339 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
13.5378	1300	A/D	97481		
0.0273	1300	D	97481		
2.3032	1400	D	97481		
0.0656	1400	A/D	97481		

Comment:

Manual Basin: NSR1870

Scenario: Existing
 Node: NSR1870
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.9982 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.2522	1400	D	97481		
0.6794	1400	A/D	97481		
0.6143	1300	A/D	97481		
0.4524	1300	D	97481		

Comment:

Manual Basin: NSR1910

Scenario: Existing
 Node: NSR1910
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.9788 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.9788	1400	D	97481		

Comment:

Manual Basin: NSR1930

Scenario: Existing
 Node: NSR1930
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.5888 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0094	1300	C/D	97481		
0.0367	1700	C/D	97481		
0.5427	1700	D	97481		

Comment:

Manual Basin: NSR1950

Scenario: Existing
 Node: NSR1950
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.1055 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.5488	1300	C/D	97482		
0.5535	1300	C/D	97481		
0.0032	1300	A/D	97481		

Comment:

Manual Basin: NSR1970

Scenario: Existing
 Node: NSR1970
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.8151 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.0339	1300	A/D	97007		
1.3116	1300	C/D	97008		
0.2783	1300	A/D	97008		
0.0857	1300	C/D	97007		
0.9084	1300	C/D	97482		
0.5265	1300	A/D	97481		
0.6707	1300	C/D	97481		

Comment:

Manual Basin: NSR2010

Scenario: Existing
 Node: NSR2010
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.1242 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.4786	1300	A/D	97007		
0.4291	1300	C/D	97008		
1.2164	1300	A/D	97008		

Comment:

Manual Basin: NSR2050

Scenario: Existing
 Node: NSR2050
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 3.1130 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4256	1300	A/D	97008		
0.0467	1700	A/D	97008		
0.6281	1700	A/D	97007		
0.9970	1300	A/D	97007		
0.0156	1300	C/D	97008		

Comment:

Manual Basin: NSR2110

Scenario: Existing
 Node: NSR2110
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.2954 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5671	1300	A/D	97008		
1.7282	1300	A/D	97007		

Comment:

Manual Basin: NSR2130

Scenario: Existing
 Node: NSR2130
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.5797 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4532	1300	A/D	97008		
2.1265	1300	A/D	97007		

Comment:

Manual Basin: NSR2150

Scenario: Existing
 Node: NSR2150
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.4760 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.5407	1700	D	97482		
3.8968	1700	D	97481		
0.0385	1400	D	97481		

Comment:

Manual Basin: NSR2210

Scenario: Existing
 Node: NSR2210
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 41.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 23.7519 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.7724	1700	D	97482		
0.2053	1700	D	97481		
0.0989	1400	D	97481		
0.2558	1300	D	97481		
0.3983	1300	D	97482		
5.6095	1300	C/D	97482		
0.0747	1300	C/D	97481		
0.0460	1400	C/D	97482		
0.0583	1400	A/D	97482		
9.2328	1300	A/D	97482		

Comment:

Manual Basin: NSR2250

Scenario: Existing
 Node: NSR2250
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.5771 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4888	1400	D	97481		
0.0883	1300	D	97481		

Comment:

Manual Basin: NSR2270

Scenario: Existing
 Node: NSR2270
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.3565 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1963	1300	D	97481		
0.2114	1300	C/D	97481		
0.9673	1400	D	97481		
0.9815	1300	C/D	97482		

Comment:

Manual Basin: NSR2310

Scenario: Existing

Node: NSR2310
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.3456 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0775	1300	C/D	97482		
1.8020	1400	D	97481		
0.0047	1300	D	97481		
0.0074	1300	C/D	97481		
0.2539	1400	C/D	97482		
0.0681	1400	C/D	97481		
0.0002	1400	D	97482		
0.1259	1400	A/D	97482		
0.0058	1400	A/D	97481		

Comment:

Manual Basin: NSR2330

Scenario: Existing
 Node: NSR2330
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.2963 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4422	1400	A/D	97482		
1.7708	1400	D	97481		
0.0832	1400	A/D	97481		

Comment:

Manual Basin: NSR2350

Scenario: Existing
 Node: NSR2350

Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.0645 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.0653	1400	A/D	97482		
3.9834	1400	D	97481		
0.3815	1400	A/D	97481		
0.5911	1300	A/D	97482		
0.0432	1300	A/D	97481		

Comment:

Manual Basin: NSR2390

Scenario: Existing
 Node: NSR2390
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.3885 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3283	1700	C/D	97481		
0.0191	1700	C/D	97482		
2.8309	1700	D	97481		
0.2102	1700	D	97482		

Comment:

Manual Basin: NSR2410

Scenario: Existing
 Node: NSR2410
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.4641 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1575	1300	C/D	97482		
0.1874	1300	C/D	97481		
0.0671	1700	C/D	97482		
0.0521	1700	C/D	97481		

Comment:

Manual Basin: NSR2430

Scenario: Existing
 Node: NSR2430
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.7438 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4719	1300	C/D	97481		
0.2718	1300	C/D	97482		

Comment:

Manual Basin: NSR2450

Scenario: Existing
 Node: NSR2450
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.0719 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2742	1300	C/D	97482		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.1036	1700	C/D	97482		
8.6941	1700	D	97482		

Comment:

Manual Basin: NSR3000

Scenario: Existing
Node: NSR3000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.0775 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.0635	1400	D	97481		
0.0139	1400	A/D	97481		

Comment:

Manual Basin: NSR3020

Scenario: Existing
Node: NSR3020
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 10.1505 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.6535	1400	D	97481		
0.3180	1300	D	97481		
0.6453	1300	A/D	97481		
1.5337	1400	A/D	97481		

Comment:

Manual Basin: NSR3040

Scenario: Existing
Node: NSR3040
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 14.6324 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.4191	1300	A/D	97481		
3.9750	1400	A/D	97481		
2.2383	1400	D	97481		

Comment:

Manual Basin: NSR3060

Scenario: Existing
Node: NSR3060
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.8878 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.6183	1300	A/D	97481		
1.2695	1400	A/D	97481		

Comment:

Manual Basin: NSW0050

Scenario: Existing
Node: NSW0050
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.4530 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.6653	1300	A	97481		
1.3752	1800	A	97481		
1.3637	1300	A/D	97481		
2.0489	1300	A/D	97480		

Comment:

Channel Link: CHAN1047

Upstream

Downstream

Scenario: Existing
 From Node: NSH19
 To Node: NSH75
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 365.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 11.23 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: CB36FT_FULL

Invert: 7.37 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: CB36FT_FULL

Comment:

Channel Link: CHAN1048

Upstream

Downstream

Scenario: Existing
 From Node: NSH18
 To Node: NSH19
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 327.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 15.47 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: CB30FT_FULL

Invert: 11.89 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: CB30FT_FULL

Comment:

Channel Link: CHAN1049		Upstream	Downstream
Scenario:	Existing	Invert: 16.83 ft	Invert: 15.95 ft
From Node:	NSH17	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSH18	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB34FT_FULL	Cross Section: CB34FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	122.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1050		Upstream	Downstream
Scenario:	Existing	Invert: 17.52 ft	Invert: 17.11 ft
From Node:	NSH13	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSH17	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB32FT_HF	Cross Section: CB32FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	376.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1051		Upstream	Downstream
Scenario:	Existing	Invert: 17.34 ft	Invert: 17.09 ft
From Node:	NSH14	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSH17	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB32FT_HF	Cross Section: CB32FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	190.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment: US invert per ERP 30404

Channel Link: CHAN1052	Upstream	Downstream
Scenario: Existing	Invert: 18.64 ft	Invert: 17.67 ft
From Node: JUNCT1	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH37	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB30FT_HF	Cross Section: CB30FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 433.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1053	Upstream	Downstream
Scenario: Existing	Invert: 18.73 ft	Invert: 17.85 ft
From Node: NSH12	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH13	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB30FT_HF	Cross Section: CB30FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 377.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1054	Upstream	Downstream
Scenario: Existing	Invert: 21.42 ft	Invert: 18.91 ft

From Node:	NRU0490	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSH41	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	CB30FT_HF	Cross Section:	CB30FT_HF
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	630.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: CHAN1055		Upstream	Downstream
Scenario:	Existing	Invert: 19.42 ft	Invert: 19.04 ft
From Node:	NSH05	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSH12	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB30FT_HF	Cross Section: CB30FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	281.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1056		Upstream	Downstream
Scenario:	Existing	Invert: 20.48 ft	Invert: 19.47 ft
From Node:	NRU0490	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSH05	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB30FT_HF	Cross Section: CB30FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	296.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Channel Link: CHAN1057	Upstream	Downstream
Scenario: Existing	Invert: 21.22 ft	Invert: 20.74 ft
From Node: NRU0500	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0495	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB32FT_HF	Cross Section: CB32FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 229.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1058	Upstream	Downstream
Scenario: Existing	Invert: 21.02 ft	Invert: 20.46 ft
From Node: NRU0500	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH49	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB38FT_HF	Cross Section: CB38FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 310.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1059	Upstream	Downstream
Scenario: Existing	Invert: 21.15 ft	Invert: 19.63 ft
From Node: NRU0500	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU1220	Geometry: Irregular	Geometry: Irregular

Link Count: 1 Cross Section: CB22FT_HF Cross Section: CB22FT_HF
Flow Direction: Both
Damping: 0.0000 ft
Length: 626.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1060	Upstream	Downstream
Scenario: Existing	Invert: 16.36 ft	Invert: 14.26 ft
From Node: NSH33	Manning's N: 0.0000	Manning's N: 0.0000
To Node: JUNCT4	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB_SDESOTO_HF	Cross Section: CB_SDESOTO_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 559.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1061	Upstream	Downstream
Scenario: Existing	Invert: 15.80 ft	Invert: 10.50 ft
From Node: NSH45	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH09	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 753.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1062	Upstream	Downstream
Scenario: Existing	Invert: 18.75 ft	Invert: 16.74 ft
From Node: NSH10	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH45	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB24FT_FULL	Cross Section: CB24FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 251.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Momentum		

Comment:

Channel Link: CHAN1063	Upstream	Downstream
Scenario: Existing	Invert: 18.71 ft	Invert: 17.75 ft
From Node: NSH10	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH13	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB24FT_FULL	Cross Section: CB24FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 641.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Momentum		

Comment:

Channel Link: CHAN1064	Upstream	Downstream
Scenario: Existing	Invert: 17.58 ft	Invert: 17.52 ft
From Node: NSH37	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH14	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB32FT_HF	Cross Section: CB32FT_HF
Flow Direction: Both		

Damping: 0.0000 ft
Length: 69.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1065**Upstream****Downstream**

Scenario: Existing	Invert: 10.07 ft	Invert: 7.71 ft
From Node: NSH08	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH75	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB36FT_HF	Cross Section: CB36FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 391.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1066**Upstream****Downstream**

Scenario: Existing	Invert: 17.16 ft	Invert: 14.13 ft
From Node: NSH45	Manning's N: 0.0000	Manning's N: 0.0000
To Node: JUNCT4	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB_SDESOTO_HF	Cross Section: CB_SDESOTO_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 559.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1069		Upstream	Downstream
Scenario:	Existing	Invert: 7.89 ft	Invert: 5.96 ft
From Node:	NSH07	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NC01	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB32FT_HF	Cross Section: CB32FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	455.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1071		Upstream	Downstream
Scenario:	Existing	Invert: 8.37 ft	Invert: 4.74 ft
From Node:	NC02	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NC03	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB44FT_FULL	Cross Section: CB44FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	414.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1075		Upstream	Downstream
Scenario:	Existing	Invert: 19.43 ft	Invert: 17.54 ft
From Node:	N07A	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	N08A	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB46FT_HF	Cross Section: CB46FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	252.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1076		Upstream	Downstream
Scenario:	Existing	Invert: 19.20 ft	Invert: 15.99 ft
From Node:	N07A	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	N08A	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB46FT_HF	Cross Section: CB46FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	548.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: CHAN1080		Upstream	Downstream
Scenario:	Existing	Invert: 19.56 ft	Invert: 18.71 ft
From Node:	NSH05	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSH10	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	609.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: CHAN1081		Upstream	Downstream
Scenario:	Existing	Invert: 13.67 ft	Invert: 12.96 ft

From Node:	NSH25	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSH26	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	CB24FT_FULL	Cross Section:	CB24FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	226.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: CHAN1082	Upstream	Downstream
Scenario: Existing	Invert: 13.95 ft	Invert: 13.19 ft
From Node: NSH25	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH26	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB26FT_FULL	Cross Section: CB26FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 139.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1083	Upstream	Downstream
Scenario: Existing	Invert: 13.50 ft	Invert: 13.31 ft
From Node: JUNCT2	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH26	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB20FT_HF	Cross Section: CB20FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 76.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Channel Link: CHAN1084	Upstream	Downstream
Scenario: Existing	Invert: 13.40 ft	Invert: 13.40 ft
From Node: NSH22	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH26	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB20FT_HF	Cross Section: CB20FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 66.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1085	Upstream	Downstream
Scenario: Existing	Invert: 17.79 ft	Invert: 13.33 ft
From Node: NSH23	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH24	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB18FT_HF	Cross Section: CB18FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 434.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1086	Upstream	Downstream
Scenario: Existing	Invert: 17.78 ft	Invert: 13.39 ft
From Node: NSH48	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH22	Geometry: Irregular	Geometry: Irregular

Link Count: 1 Cross Section: CB18FT_HF Cross Section: CB18FT_HF
Flow Direction: Both
Damping: 0.0000 ft
Length: 434.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Momentum

Comment:

Channel Link: CHAN1087

Upstream

Downstream

Scenario: Existing Invert: 18.48 ft Invert: 18.29 ft
From Node: NSH15 Manning's N: 0.0000 Manning's N: 0.0000
To Node: NSH48 Geometry: Irregular Geometry: Irregular
Link Count: 1 Cross Section: V18FT_HF Cross Section: V18FT_HF
Flow Direction: Both
Damping: 0.0000 ft
Length: 107.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1088

Upstream

Downstream

Scenario: Existing Invert: 18.45 ft Invert: 17.81 ft
From Node: NSH15 Manning's N: 0.0000 Manning's N: 0.0000
To Node: NSH37 Geometry: Irregular Geometry: Irregular
Link Count: 1 Cross Section: CB20FT_HF Cross Section: CB20FT_HF
Flow Direction: Both
Damping: 0.0000 ft
Length: 134.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1089		Upstream	Downstream
Scenario:	Existing	Invert: 20.02 ft	Invert: 18.36 ft
From Node:	NSH20	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSH15	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	195.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: CHAN1090		Upstream	Downstream
Scenario:	Existing	Invert: 20.08 ft	Invert: 18.94 ft
From Node:	NSH20	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	JUNCT1	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: V18FT_HF	Cross Section: V18FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	184.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: CHAN1091		Upstream	Downstream
Scenario:	Existing	Invert: 15.40 ft	Invert: 13.54 ft
From Node:	NSH18	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSH22	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB20FT_HF	Cross Section: CB20FT_HF
Flow Direction:	Both		

Damping: 0.0000 ft
Length: 358.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1092**Upstream****Downstream**

Scenario: Existing	Invert: 11.55 ft	Invert: 10.41 ft
From Node: NSH19	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH21	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB20FT_HF	Cross Section: CB20FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 95.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1093**Upstream****Downstream**

Scenario: Existing	Invert: 20.17 ft	Invert: 18.13 ft
From Node: NRU0390	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH23	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB18FT_HF	Cross Section: CB18FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 459.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1097		Upstream	Downstream
Scenario:	Existing	Invert: 19.12 ft	Invert: 17.67 ft
From Node:	NRU0340	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU0290	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB28FT_FULL	Cross Section: CB28FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	428.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1102		Upstream	Downstream
Scenario:	Existing	Invert: 16.15 ft	Invert: 15.46 ft
From Node:	NRU0180	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU0174	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB22FT_FULL	Cross Section: CB22FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	392.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1104		Upstream	Downstream
Scenario:	Existing	Invert: 14.18 ft	Invert: 13.60 ft
From Node:	NSH25	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	JUNCT2	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB20FT_HF	Cross Section: CB20FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	122.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1109	Upstream	Downstream
Scenario: Existing	Invert: 16.15 ft	Invert: 15.12 ft
From Node: NRU0180	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0250	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB18FT_HF	Cross Section: CB18FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 425.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1110	Upstream	Downstream
Scenario: Existing	Invert: 16.18 ft	Invert: 14.88 ft
From Node: NRU0180	Manning's N: 0.0000	Manning's N: 0.0000
To Node: JUNCT6	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB18FT_HF	Cross Section: CB18FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 425.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1111	Upstream	Downstream
Scenario: Existing	Invert: 18.22 ft	Invert: 17.08 ft

From Node:	NRU0310	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NRU0550	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	CB24FT_FULL	Cross Section:	CB24FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	395.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: CHAN1117		Upstream	Downstream
Scenario:	Existing	Invert: 19.56 ft	Invert: 18.74 ft
From Node:	NRU0630	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW2310	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	387.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1119		Upstream	Downstream
Scenario:	Existing	Invert: 19.64 ft	Invert: 19.15 ft
From Node:	JUNCT3	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU0612	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB18FT_FULL	Cross Section: CB18FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	280.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		

Bend Location: 0.00 dec
Energy Switch: Momentum

Comment:

Channel Link: CHAN1121	Upstream	Downstream
Scenario: Existing	Invert: 20.20 ft	Invert: 19.67 ft
From Node: NRU0618	Manning's N: 0.0000	Manning's N: 0.0000
To Node: JUNCT3	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 485.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1122	Upstream	Downstream
Scenario: Existing	Invert: 19.54 ft	Invert: 18.66 ft
From Node: NRU0620	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0345	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 240.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1123	Upstream	Downstream
Scenario: Existing	Invert: 19.13 ft	Invert: 18.74 ft
From Node: NRU0345	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0570	Geometry: Irregular	Geometry: Irregular

Link Count: 1 Cross Section: CB20FT_FULL Cross Section: CB20FT_FULL
Flow Direction: Both
Damping: 0.0000 ft
Length: 443.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1124	Upstream	Downstream
Scenario: Existing	Invert: 19.02 ft	Invert: 18.67 ft
From Node: NRU0335	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0340	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB26FT_HF	Cross Section: CB26FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 196.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1663	Upstream	Downstream
Scenario: Existing	Invert: 19.74 ft	Invert: 18.83 ft
From Node: NBW1840	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW2290	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB_PARKLAND_FU LL	Cross Section: CB_PARKLAND_FU LL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 704.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1900		Upstream	Downstream
Scenario:	Existing	Invert: 20.09 ft	Invert: 18.66 ft
From Node:	NCL2630	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL2631	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB24FT_FULL	Cross Section: CB24FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	296.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: CHAN1927		Upstream	Downstream
Scenario:	Existing	Invert: 19.99 ft	Invert: 19.14 ft
From Node:	NSH83	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSH50	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB32FT_HF	Cross Section: CB32FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	524.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: CHAN1928		Upstream	Downstream
Scenario:	Existing	Invert: 19.09 ft	Invert: 18.26 ft
From Node:	NSH04	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSH54	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB40FT_FULL	Cross Section: CB40FT_FULL
Flow Direction:	Both		

Damping: 0.0000 ft
Length: 221.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1929**Upstream****Downstream**

Scenario: Existing	Invert: 18.90 ft	Invert: 18.25 ft
From Node: NSH50	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH52	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB50FT_FULL	Cross Section: CB50FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 228.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1930**Upstream****Downstream**

Scenario: Existing	Invert: 19.13 ft	Invert: 18.30 ft
From Node: NSH51	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH53	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB36FT_FULL	Cross Section: CB36FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 141.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1931		Upstream	Downstream
Scenario:	Existing	Invert: 18.62 ft	Invert: 18.06 ft
From Node:	NSH55	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSH52	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB40FT_FULL	Cross Section: CB40FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	197.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1932		Upstream	Downstream
Scenario:	Existing	Invert: 18.60 ft	Invert: 18.02 ft
From Node:	NSH55	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSH56	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB40FT_HF	Cross Section: CB40FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	247.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1933		Upstream	Downstream
Scenario:	Existing	Invert: 18.51 ft	Invert: 17.90 ft
From Node:	NSH55	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU1234	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB40FT_HF	Cross Section: CB40FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	255.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1934	Upstream	Downstream
Scenario: Existing	Invert: 17.64 ft	Invert: 16.85 ft
From Node: NRU1240	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0810	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB26FT_HF	Cross Section: CB26FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 222.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1935	Upstream	Downstream
Scenario: Existing	Invert: 17.78 ft	Invert: 17.05 ft
From Node: NRU1234	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0785	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB26FT_HF	Cross Section: CB26FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 305.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1936	Upstream	Downstream
Scenario: Existing	Invert: 18.04 ft	Invert: 16.25 ft

From Node:	NRU0830	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NRU0790	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	V32FT_FULL	Cross Section:	V32FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	395.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: CHAN1937		Upstream	Downstream
Scenario:	Existing	Invert: 16.83 ft	Invert: 16.02 ft
From Node:	NRU0810	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU0790	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB24FT_FULL	Cross Section: CB24FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	266.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1938		Upstream	Downstream
Scenario:	Existing	Invert: 18.11 ft	Invert: 17.24 ft
From Node:	NRU0830	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU0950	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: V28FT_FULL	Cross Section: V28FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	397.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Channel Link: CHAN1939	Upstream	Downstream
Scenario: Existing	Invert: 17.47 ft	Invert: 17.07 ft
From Node: NRU0960	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0955	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 346.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1940	Upstream	Downstream
Scenario: Existing	Invert: 18.44 ft	Invert: 17.90 ft
From Node: JUNCT8	Manning's N: 0.0000	Manning's N: 0.0000
To Node: JUNCT8B	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB42FT_FULL	Cross Section: CB42FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 311.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Momentum		

Comment:

Channel Link: CHAN1941	Upstream	Downstream
Scenario: Existing	Invert: 18.33 ft	Invert: 17.96 ft
From Node: JUNCT7	Manning's N: 0.0000	Manning's N: 0.0000
To Node: JUNCT7B	Geometry: Irregular	Geometry: Irregular

Link Count: 1 Cross Section: CB20FT_FULL Cross Section: CB20FT_FULL
Flow Direction: Both
Damping: 0.0000 ft
Length: 318.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Momentum

Comment:

Channel Link: CHAN1942	Upstream	Downstream
Scenario: Existing	Invert: 19.16 ft	Invert: 18.47 ft
From Node: NCL3510	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3490	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: V18FT_FULL	Cross Section: V18FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 378.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1943	Upstream	Downstream
Scenario: Existing	Invert: 18.09 ft	Invert: 16.96 ft
From Node: NCL3490	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3470	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: V20FT_FULL	Cross Section: V20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 293.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1944	Upstream	Downstream
Scenario: Existing	Invert: 19.45 ft	Invert: 16.79 ft
From Node: NCL3270	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3470	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB46FT_HF	Cross Section: CB46FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 629.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1945	Upstream	Downstream
Scenario: Existing	Invert: 19.38 ft	Invert: 16.89 ft
From Node: NCL3280	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3470	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB46FT_HF	Cross Section: CB46FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 629.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1946	Upstream	Downstream
Scenario: Existing	Invert: 19.48 ft	Invert: 17.22 ft
From Node: NCL3270	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3250	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: V20FT_HF	Cross Section: V20FT_HF
Flow Direction: Both		

Damping: 0.0000 ft
Length: 389.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1947**Upstream****Downstream**

Scenario: Existing	Invert: 17.88 ft	Invert: 17.13 ft
From Node: NCL3250	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3450	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB34FT_FULL	Cross Section: CB34FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 322.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1948**Upstream****Downstream**

Scenario: Existing	Invert: 17.92 ft	Invert: 17.02 ft
From Node: NCL3470	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3450	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: V18FT_FULL	Cross Section: V18FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 350.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1949		Upstream	Downstream
Scenario:	Existing	Invert: 17.31 ft	Invert: 16.95 ft
From Node:	NCL3740	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL3450	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB22FT_HF	Cross Section: CB22FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	305.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1950		Upstream	Downstream
Scenario:	Existing	Invert: 18.58 ft	Invert: 17.30 ft
From Node:	NRU1010	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU1040	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB50FT_HF	Cross Section: CB50FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	326.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1951		Upstream	Downstream
Scenario:	Existing	Invert: 18.61 ft	Invert: 17.36 ft
From Node:	NRU0970	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU1040	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB50FT_HF	Cross Section: CB50FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	326.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1952	Upstream	Downstream
Scenario: Existing	Invert: 17.89 ft	Invert: 17.48 ft
From Node: NRU0970	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0950	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB26FT_HF	Cross Section: CB26FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 277.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1953	Upstream	Downstream
Scenario: Existing	Invert: 17.90 ft	Invert: 17.59 ft
From Node: NRU0970	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0955	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB26FT_HF	Cross Section: CB26FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 263.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1954	Upstream	Downstream
Scenario: Existing	Invert: 20.34 ft	Invert: 16.03 ft

From Node:	NBW2190	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NRU0785	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	CB24FT_HF	Cross Section:	CB24FT_HF
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1155.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: CHAN1955		Upstream	Downstream
Scenario:	Existing	Invert: 20.06 ft	Invert: 15.78 ft
From Node:	NBW2210	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU0750	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB22FT_HF	Cross Section: CB22FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	1661.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1956		Upstream	Downstream
Scenario:	Existing	Invert: 19.64 ft	Invert: 17.98 ft
From Node:	NBW2270	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU0730	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB_PARKLAND_HA LF	Cross Section: CB_PARKLAND_HA LF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	1055.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Channel Link: CHAN1957		Upstream	Downstream
Scenario:	Existing	Invert: 19.60 ft	Invert: 17.84 ft
From Node:	NBW2310	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU0730	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB_PARKLAND_HA LF	Cross Section: CB_PARKLAND_HA LF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	966.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: CHAN1958		Upstream	Downstream
Scenario:	Existing	Invert: 20.09 ft	Invert: 19.05 ft
From Node:	NBW2190	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW2070	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB38FT_HF	Cross Section: CB38FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	233.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: CHAN1962		Upstream	Downstream
Scenario:	Existing	Invert: 19.92 ft	Invert: 18.61 ft
From Node:	NBW2030	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW2230	Geometry: Irregular	Geometry: Irregular

Link Count: 1 Cross Section: CB20FT_FULL Cross Section: CB20FT_FULL
Flow Direction: Both
Damping: 0.0000 ft
Length: 710.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1965	Upstream	Downstream
Scenario: Existing	Invert: 20.22 ft	Invert: 19.07 ft
From Node: NCL3170	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3280	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB46FT_HF	Cross Section: CB46FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 289.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1966	Upstream	Downstream
Scenario: Existing	Invert: 20.10 ft	Invert: 19.32 ft
From Node: NCL3170	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3270	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB46FT_HF	Cross Section: CB46FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 289.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1967	Upstream	Downstream
Scenario: Existing	Invert: 20.14 ft	Invert: 19.19 ft
From Node: NCL3290	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3190	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB18FT_FULL	Cross Section: CB18FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 462.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1969	Upstream	Downstream
Scenario: Existing	Invert: 19.94 ft	Invert: 19.08 ft
From Node: NCL3110	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3210	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 448.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1970	Upstream	Downstream
Scenario: Existing	Invert: 22.12 ft	Invert: 20.27 ft
From Node: NCL2810	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL2580	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: V18FT_HF	Cross Section: V18FT_HF
Flow Direction: Both		

Damping: 0.0000 ft
Length: 894.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1971**Upstream****Downstream**

Scenario: Existing
From Node: NCL2790
To Node: JUNCT10
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 456.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 22.17 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: V18FT_HF

Invert: 21.20 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: V18FT_HF

Comment:

Channel Link: CHAN1971B**Upstream****Downstream**

Scenario: Existing
From Node: JUNCT10
To Node: NCL2580
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 466.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 21.20 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: V18FT_HF

Invert: 20.07 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: V18FT_HF

Comment:

Channel Link: CHAN1972		Upstream	Downstream
Scenario:	Existing	Invert: 28.94 ft	Invert: 22.00 ft
From Node:	JUNCT9	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL2840	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: V20FT_HF	Cross Section: V20FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	807.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1973		Upstream	Downstream
Scenario:	Existing	Invert: 29.07 ft	Invert: 24.66 ft
From Node:	NCL4010	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL2845	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: V20FT_FULL	Cross Section: V20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	439.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1974		Upstream	Downstream
Scenario:	Existing	Invert: 20.43 ft	Invert: 18.80 ft
From Node:	NSH04	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	N02	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB40FT_FULL	Cross Section: CB40FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	535.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1975

Scenario: Existing
From Node: NRU0590
To Node: NRU0620
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 624.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 20.40 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: CB22FT_FULL

Downstream

Invert: 19.39 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: CB22FT_FULL

Comment:

Channel Link: CHAN1976

Scenario: Existing
From Node: NRU0590
To Node: NRU2630
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 611.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 19.15 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: CB20FT_FULL

Downstream

Invert: 18.74 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: CB20FT_FULL

Comment:

Channel Link: CHAN1977

Scenario: Existing

Upstream

Invert: 18.92 ft

Downstream

Invert: 18.73 ft

From Node:	NRU0570	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NRU2610	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	CB20FT_FULL	Cross Section:	CB20FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	614.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: CHAN1978		Upstream	Downstream
Scenario:	Existing	Invert: 19.86 ft	Invert: 19.05 ft
From Node:	NRU0510	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU0620	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	481.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1979		Upstream	Downstream
Scenario:	Existing	Invert: 19.87 ft	Invert: 18.56 ft
From Node:	NRU0510	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU0345	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	720.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Channel Link: CHAN1981	Upstream	Downstream
Scenario: Existing	Invert: 20.16 ft	Invert: 18.58 ft
From Node: NRU0616	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0610	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 1022.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1982	Upstream	Downstream
Scenario: Existing	Invert: 19.80 ft	Invert: 19.02 ft
From Node: NRU0610	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU2650	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 512.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1983	Upstream	Downstream
Scenario: Existing	Invert: 20.50 ft	Invert: 15.51 ft
From Node: NRU0490	Manning's N: 0.0000	Manning's N: 0.0000
To Node: N08A	Geometry: Irregular	Geometry: Irregular

Link Count: 1 Cross Section: CB24FT_FULL Cross Section: CB24FT_FULL
Flow Direction: Both
Damping: 0.0000 ft
Length: 1889.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1984	Upstream	Downstream
Scenario: Existing	Invert: 18.89 ft	Invert: 17.53 ft
From Node: NRU1070	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU1050	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB44FT_FULL	Cross Section: CB44FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 449.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1985	Upstream	Downstream
Scenario: Existing	Invert: 14.77 ft	Invert: 14.17 ft
From Node: JUNCT6	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0250	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB18FT_FULL	Cross Section: CB18FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 197.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1986

	Upstream	Downstream
Scenario:	Existing	Invert: 13.44 ft
From Node:	JUNCT4	Invert: 9.64 ft
To Node:	NSH08	Manning's N: 0.0000
Link Count:	1	Manning's N: 0.0000
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Geometry: Irregular
Length:	156.00 ft	Cross Section: CB20FT_FULL
Contraction Coef:	0.00	Cross Section: CB20FT_FULL
Expansion Coef:	0.00	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	

Comment:

Channel Link: CHAN1988

	Upstream	Downstream
Scenario:	Existing	Invert: 18.08 ft
From Node:	N02	Invert: 15.60 ft
To Node:	BC_N02	Manning's N: 0.0000
Link Count:	1	Manning's N: 0.0000
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Geometry: Irregular
Length:	668.00 ft	Cross Section: XOW791A
Contraction Coef:	0.00	Cross Section: XOW791A
Expansion Coef:	0.00	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	

Comment:

Channel Link: CHAN1989

	Upstream	Downstream
Scenario:	Existing	Invert: 18.47 ft
From Node:	NRU1040	Invert: 17.70 ft
To Node:	NRU0970	Manning's N: 0.0000
Link Count:	1	Manning's N: 0.0000
Flow Direction:	Both	Geometry: Irregular
		Geometry: Irregular
	Cross Section: V20FT_HF	Cross Section: V20FT_HF

Damping: 0.0000 ft
Length: 360.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1990**Upstream****Downstream**

Scenario: Existing
From Node: NRU0960
To Node: NRU0970
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 360.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 18.50 ft

Invert: 17.50 ft

Manning's N: 0.0000

Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: V20FT_HF

Cross Section: V20FT_HF

Comment:

Channel Link: CHAN1991**Upstream****Downstream**

Scenario: Existing
From Node: NCL3470
To Node: NCL3740
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 356.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 17.50 ft

Invert: 15.50 ft

Manning's N: 0.0000

Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: V20FT_HF

Cross Section: V20FT_HF

Comment:

Channel Link: CHAN1992		Upstream	Downstream
Scenario:	Existing	Invert: 17.57 ft	Invert: 17.27 ft
From Node:	NCL3470	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL3450	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: V20FT_HF	Cross Section: V20FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	356.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: CHAN1993		Upstream	Downstream
Scenario:	Existing	Invert: 19.50 ft	Invert: 17.00 ft
From Node:	NCL3470	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL3250	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: V20FT_HF	Cross Section: V20FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	389.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: CHAN2000		Upstream	Downstream
Scenario:	Existing	Invert: 17.96 ft	Invert: 17.50 ft
From Node:	JUNCT7B	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL3470	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	400.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN2001	Upstream	Downstream
Scenario: Existing	Invert: 17.90 ft	Invert: 17.20 ft
From Node: JUNCT8B	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0965	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB42FT_FULL	Cross Section: CB42FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 400.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN2010	Upstream	Downstream
Scenario: Existing	Invert: 19.91 ft	Invert: 19.08 ft
From Node: NSH80	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH50	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB32FT_HF	Cross Section: CB32FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 502.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Drop Structure Link: D11	Upstream Pipe	Downstream Pipe
Scenario: Existing	Invert: 9.40 ft	Invert: 9.63 ft

From Node:	PondB	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N06	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	3.17 ft	Max Depth:	3.17 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Split	Default:	0.00 ft	Default:	0.00 ft
Pipe Count:	1	Op Table:		Op Table:	
Damping:	0.0000 ft	Ref Node:		Ref Node:	
Length:	110.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
FHWA Code:	0	Top Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.50	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy				
Pipe Comment:					

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	11.46 ft	Op Table:	
Control Elevation:	11.46 ft	Ref Node:	
Max Depth:	3.35 ft	Discharge Coefficients	
Max Width:	7.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Weir Comment:			

Weir Component	
Weir:	2
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	14.81 ft
Control Elevation:	14.81 ft
Max Depth:	5.00 ft
Max Width:	7.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment: Inventory

Channel Link: DM1OW		Upstream	Downstream
Scenario:	Existing	Invert: 16.33 ft	Invert: 15.23 ft
From Node:	NSR2130	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	DM1	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction:	Both	Extrapolation: Normal	Extrapolation: Normal
Damping:	0.0000 ft	Bottom Width: 50.00 ft	Bottom Width: 50.00 ft
Length:	1200.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef:	0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip	
Entr Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef:	0.00	Op Table:	Op Table:
Bend Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Location:	0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch:	Energy	Top Clip	
		Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: EP_ManGut		Upstream	Downstream
Scenario:	Existing	Invert: 5.43 ft	Invert: 4.58 ft
From Node:	M5.1	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	ElPrad.1	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction:	Both	Extrapolation: Normal	Extrapolation: Normal
Damping:	0.0000 ft	Bottom Width: 40.00 ft	Bottom Width: 40.00 ft
Length:	500.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef:	0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip	
Entr Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef:	0.00	Op Table:	Op Table:
Bend Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Location:	0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch:	Energy	Top Clip	
		Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: El_PradaGut		Upstream	Downstream
Scenario:	Existing	Invert: 4.58 ft	Invert: 4.93 ft
From Node:	ElPrad.1	Manning's N: 0.0200	Manning's N: 0.0200

To Node: EIP_Hes.1
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 285.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Geometry: Trapezoidal	Geometry: Trapezoidal
Max Depth: 0.50 ft	Max Depth: 0.50 ft
Extrapolation: Normal	Extrapolation: Normal
Bottom Width: 40.00 ft	Bottom Width: 40.00 ft
Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: EI_PradaPip

Scenario: Existing
 From Node: EIPrad.1
 To Node: EIP_Hes.1
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 268.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream	Downstream
Invert: 1.88 ft	Invert: 1.22 ft
Manning's N: 0.0140	Manning's N: 0.0140
Geometry: Circular	Geometry: Circular
Max Depth: 1.50 ft	Max Depth: 1.50 ft
Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: HesBox1

Scenario: Existing
 From Node: H2.1
 To Node: Shmrck1.1
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 828.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00

Upstream	Downstream
Invert: 0.33 ft	Invert: -0.22 ft
Manning's N: 0.0140	Manning's N: 0.0140
Geometry: Rectangular	Geometry: Rectangular
Max Depth: 3.00 ft	Max Depth: 3.00 ft
Max Width: 5.00 ft	Max Width: 5.00 ft
Fillet: 0.00 ft	Fillet: 0.00 ft
Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:

Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft

Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: HesBox2

Scenario: Existing
 From Node: H2.1
 To Node: Shmrck1.1
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 828.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream	Downstream
Invert: 0.33 ft	Invert: -0.22 ft
Manning's N: 0.0140	Manning's N: 0.0140

Geometry: Rectangular	Geometry: Rectangular

Max Depth: 3.00 ft	Max Depth: 3.00 ft
Max Width: 5.00 ft	Max Width: 5.00 ft
Fillet: 0.00 ft	Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Top Clip

Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: Hes_Culv

Scenario: Existing
 From Node: EIP_Hes.1
 To Node: H2.1
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 135.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream	Downstream
Invert: 1.22 ft	Invert: 0.33 ft
Manning's N: 0.0140	Manning's N: 0.0140

Geometry: Circular	Geometry: Circular

Max Depth: 2.00 ft	Max Depth: 2.00 ft

Bottom Clip

Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Top Clip

Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: Hes_Gut		Upstream	Downstream
Scenario:	Existing	Invert: 4.93 ft	Invert: 5.93 ft
From Node:	EIP_Hes.1	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	H2.1	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction:	Both	Extrapolation: Normal	Extrapolation: Normal
Damping:	0.0000 ft	Bottom Width: 40.00 ft	Bottom Width: 40.00 ft
Length:	135.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef:	0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip	
Entr Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef:	0.00	Op Table:	Op Table:
Bend Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Location:	0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch:	Energy	Top Clip	
		Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: Link_SL28		Upstream	Downstream
Scenario:	Existing	Invert: 7.82 ft	Invert: 6.74 ft
From Node:	Church2	Manning's N: 0.0140	Manning's N: 0.0140
To Node:	G10	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Max Width: 4.00 ft	Max Width: 4.00 ft
Damping:	0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	680.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.00	Op Table:	Op Table:
Exit Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip	
Energy Switch:	Energy	Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: Link_SL30		Upstream	Downstream
Scenario:	Existing	Invert: 8.79 ft	Invert: 7.82 ft
From Node:	DM3	Manning's N: 0.0140	Manning's N: 0.0140
To Node:	Church2	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft

Flow Direction:	Both	Max Width:	4.00 ft	Max Width:	4.00 ft
Damping:	0.0000	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	617.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: MRSR1570OW		Upstream		Downstream	
Scenario:	Existing	Invert:	16.03 ft	Invert:	14.03 ft
From Node:	NSR1570	Manning's N:	0.0200	Manning's N:	0.0200
To Node:	G1	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000	Bottom Width:	25.00 ft	Bottom Width:	25.00 ft
Length:	1220.00 ft	Left Slope:	1.000 (h:v)	Left Slope:	1.000 (h:v)
Contraction Coef:	0.00	Right Slope:	1.000 (h:v)	Right Slope:	1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: ManBox1		Upstream		Downstream	
Scenario:	Existing	Invert:	1.14 ft	Invert:	0.53 ft
From Node:	M5.1	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	EIP_con.1	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Max Width:	5.00 ft	Max Width:	5.00 ft
Damping:	0.0000	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	489.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	

Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft

Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: ManBox2

Scenario: Existing
 From Node: M5.1
 To Node: EIP_con.1
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 489.00 ft

FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream	Downstream
Invert: 1.14 ft	Invert: 0.53 ft
Manning's N: 0.0140	Manning's N: 0.0140

Geometry: Rectangular	Geometry: Rectangular
Max Depth: 3.00 ft	Max Depth: 3.00 ft
Max Width: 5.00 ft	Max Width: 5.00 ft
Fillet: 0.00 ft	Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Top Clip

Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Rating Curve Link: Marjory_Pump

Scenario: Existing
 From Node: NSH05
 To Node: Marjory_Pump
 Link Count: 1
 Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
Marjory_Pump	19.00	NSH05	14.50	NSH05

Comment: Added per plans provided for pump station by the City

Pipe Link: MidBox1

Scenario: Existing
 From Node: EIP_con.1

Upstream	Downstream
Invert: 0.53 ft	Invert: 0.33 ft
Manning's N: 0.0140	Manning's N: 0.0140

To Node: H2.1
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 268.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Geometry: Rectangular		Geometry: Rectangular	
Max Depth:	3.00 ft	Max Depth:	3.00 ft
Max Width:	5.00 ft	Max Width:	5.00 ft
Fillet:	0.00 ft	Fillet:	0.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: MidBox2

Scenario: Existing
 From Node: EIP_con.1
 To Node: H2.1
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 268.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream		Downstream	
Invert:	0.53 ft	Invert:	0.33 ft
Manning's N:	0.0140	Manning's N:	0.0140
Geometry: Rectangular		Geometry: Rectangular	
Max Depth:	3.00 ft	Max Depth:	3.00 ft
Max Width:	5.00 ft	Max Width:	5.00 ft
Fillet:	0.00 ft	Fillet:	0.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: NRU0820

Scenario: Existing
 From Node: NRU0820
 To Node: NRU0810
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 16.16 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	

Control Elevation: 16.16 ft
 Max Depth: 2.00 ft
 Max Width: 2.00 ft
 Fillet: 0.00 ft

Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment: SET WEIR TO THE CONTROLLING ELEVATION PER ERP 1213

Weir Link: NSR0430OWB

Scenario: Existing
 From Node: NSR0430
 To Node: NSR0310
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 13.14 ft
 Control Elevation: 13.14 ft
 Max Depth: 9999.00 ft
 Max Width: 100.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.400
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Channel Link: NSR2130OW

Scenario: Existing
 From Node: NSR2130
 To Node: G2
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 775.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 16.33 ft
 Manning's N: 0.0200
 Geometry: Trapezoidal
 Max Depth: 0.50 ft
 Extrapolation: Normal
 Bottom Width: 25.00 ft
 Left Slope: 1.000 (h:v)
 Right Slope: 1.000 (h:v)

Downstream

Invert: 14.63 ft
 Manning's N: 0.0200
 Geometry: Trapezoidal
 Max Depth: 0.50 ft
 Extrapolation: Normal
 Bottom Width: 25.00 ft
 Left Slope: 1.000 (h:v)
 Right Slope: 1.000 (h:v)

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Weir Link: OF0165

Scenario: Existing
From Node: NRU0165
To Node: NRU1390
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 16.00 ft
Control Elevation: 16.00 ft
Cross Section: XOW0165

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF1078

Scenario: Existing
From Node: PondB
To Node: N11
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 16.42 ft
Control Elevation: 16.42 ft
Cross Section: XOW803

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF1120

Scenario: Existing
From Node: NRU0650
To Node: JUNCT3
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.82 ft
Control Elevation: 19.82 ft
Cross Section: XOW757

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW757

Weir Link: OF1887

Scenario: Existing
From Node: NCL2845
To Node: NCL2830
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 23.92 ft
Control Elevation: 23.92 ft
Cross Section: XOW386

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW386

Weir Link: OF1888

Scenario: Existing
From Node: NCL2840
To Node: NCL2830
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 23.67 ft
Control Elevation: 23.67 ft
Cross Section: XOW385

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW385

Weir Link: OF1889

Scenario: Existing
From Node: NCL2845
To Node: NCL2840
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 23.90 ft
Control Elevation: 23.90 ft
Cross Section: XOW387

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW387

Weir Link: OF1890

Scenario: Existing
From Node: NCL3430
To Node: NCL3390
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.48 ft
Control Elevation: 20.48 ft
Cross Section: XOW388

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW388

Weir Link: OF1891

Scenario: Existing
From Node: NCL3590
To Node: NCL3550
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.86 ft
Control Elevation: 20.86 ft
Cross Section: XOW389

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW389

Weir Link: OF1892

Scenario: Existing
From Node: NCL3520
To Node: NCL3510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.50 ft
Control Elevation: 19.50 ft
Cross Section: XOW390

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW390

Weir Link: OF1893

Scenario: Existing
From Node: NCL2580
To Node: NCL2590
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.18 ft
Control Elevation: 20.18 ft
Cross Section: XOW391

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW391

Weir Link: OF1894

Scenario: Existing
From Node: NCL2770
To Node: NCL2780
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 22.19 ft
Control Elevation: 22.19 ft
Cross Section: XOW392

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW392

Weir Link: OF1895

Scenario: Existing
From Node: NSH27
To Node: NSH21
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 12.67 ft
Control Elevation: 12.67 ft
Cross Section: XOW395

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW395

Weir Link: OF1896

Scenario: Existing
From Node: NSH35
To Node: NSH42
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 7.64 ft
Control Elevation: 7.64 ft
Cross Section: XOW397

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW397

Weir Link: OF1897

Scenario: Existing
From Node: NSH43
To Node: NSH35
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 7.67 ft
Control Elevation: 7.67 ft
Cross Section: XOW398

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW398

Weir Link: OF1898

Scenario: Existing
From Node: NSH43
To Node: NSH42
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 7.38 ft
Control Elevation: 7.38 ft
Cross Section: XOW396

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW396

Weir Link: OF1899

Scenario: Existing
From Node: NSH42
To Node: SH_OUTFALL
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 7.41 ft
Control Elevation: 7.41 ft
Cross Section: XOW399

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW399

Weir Link: OF1901

Scenario: Existing
From Node: PondA
To Node: N03
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 19.78 ft
Control Elevation: 19.78 ft
Cross Section: XOW400

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW400

Weir Link: OF1902

Scenario: Existing
From Node: N03
To Node: N04
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 19.88 ft
Control Elevation: 19.88 ft
Cross Section: XOW401

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW401

Weir Link: OF1903

Scenario: Existing
From Node: N03
To Node: N02
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 19.60 ft
Control Elevation: 19.60 ft
Cross Section: XOW402

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.400
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW402

Weir Link: OF1904

Scenario: Existing
From Node: NSH52
To Node: NSH54
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.49 ft
Control Elevation: 18.49 ft
Cross Section: XOW405

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW405

Weir Link: OF1905

Scenario: Existing
From Node: NRU1185
To Node: NRU1188
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 19.52 ft
Control Elevation: 19.52 ft
Cross Section: XOW406

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.400

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW406

Weir Link: OF1907

Scenario: Existing
From Node: NRU1234
To Node: NRU1182
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 19.24 ft
Control Elevation: 19.24 ft
Cross Section: XOW410

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW410

Weir Link: OF1908

Scenario: Existing
From Node: NRU1188
To Node: NRU1182
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 19.94 ft
Control Elevation: 19.94 ft
Cross Section: XOW407

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW407

Weir Link: OF1910

Scenario: Existing
From Node: NSH57
To Node: NRU1240
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.92 ft
Control Elevation: 17.92 ft
Cross Section: XOW412

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW412

Weir Link: OF1911

Scenario: Existing
From Node: NRU1234
To Node: NSH57
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.10 ft
Control Elevation: 18.10 ft
Cross Section: XOW411

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW411

Weir Link: OF1912

Scenario: Existing
From Node: N02
To Node: PondB
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.44 ft
Control Elevation: 18.44 ft
Cross Section: XOW403

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW403

Weir Link: OF1913

Scenario: Existing
From Node: NRU1030
To Node: NRU1040
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.87 ft
Control Elevation: 17.87 ft
Cross Section: XOW413

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW413

Weir Link: OF1914

Scenario: Existing
From Node: NCL3390
To Node: NCL2910
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.08 ft
Control Elevation: 20.08 ft
Cross Section: XOW414

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW414

Weir Link: OF1916

Scenario: Existing
From Node: NSH29
To Node: NSH34
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 9.91 ft
Control Elevation: 9.91 ft
Cross Section: XOW417

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW417

Weir Link: OF1918

Scenario: Existing
From Node: NSH34
To Node: SH_OUTFALL
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 9.09 ft
Control Elevation: 9.09 ft
Cross Section: XOW416

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW416

Weir Link: OF1919

Scenario: Existing
From Node: NSH34
To Node: NSH44
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 9.15 ft
Control Elevation: 9.15 ft
Cross Section: XOW415

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW415

Weir Link: OF1920

Scenario: Existing
From Node: NSH34
To Node: NSH35
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 8.85 ft
Control Elevation: 8.85 ft
Cross Section: XOW420

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW420

Weir Link: OF1921

Scenario: Existing
From Node: NSH28
To Node: NSH35
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 9.26 ft
Control Elevation: 9.26 ft
Cross Section: XOW422

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW422

Weir Link: OF1922

Scenario: Existing
From Node: NSH08
To Node: SH_OUTFALL
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 10.13 ft
Control Elevation: 10.13 ft
Cross Section: XOW423

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW423

Weir Link: OF1924

Scenario: Existing
From Node: NSH24
To Node: JUNCT2
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 13.57 ft
Control Elevation: 13.57 ft
Cross Section: XOW425

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW425

Weir Link: OF1925

Scenario: Existing
From Node: NSH24
To Node: NSH22
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 13.47 ft
Control Elevation: 13.47 ft
Cross Section: XOW426

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW426

Weir Link: OF1926

Scenario: Existing
From Node: NRU0230
To Node: NRU0090
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 14.82 ft
Control Elevation: 14.82 ft
Cross Section: XOW427

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW427

Weir Link: OF1984

Scenario: Existing
From Node: NC01
To Node: NC01B
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 5.89 ft
Control Elevation: 5.89 ft
Cross Section: XOW577

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW577

Weir Link: OF1985

Scenario: Existing
From Node: NC01B
To Node: NC03
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 5.42 ft
Control Elevation: 5.42 ft
Cross Section: XOW576

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW576

Weir Link: OF1986

Scenario: Existing
From Node: NC03
To Node: NC04
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 4.46 ft
Control Elevation: 4.46 ft
Cross Section: XOW565

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW565

Weir Link: OF1987

Scenario: Existing
From Node: NC04
To Node: N10
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 3.99 ft
Control Elevation: 3.99 ft
Cross Section: XOW566

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW566

Weir Link: OF1988

Scenario: Existing
From Node: NSH08
To Node: NSH09
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 10.57 ft
Control Elevation: 10.57 ft
Cross Section: XOW581

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW581

Weir Link: OF1989

Scenario: Existing
From Node: NSH09
To Node: NSH07
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 10.05 ft
Control Elevation: 10.05 ft
Cross Section: XOW579

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW579

Weir Link: OF1990

Scenario: Existing
From Node: NSH09
To Node: SH_OUTFALL
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 10.31 ft
Control Elevation: 10.31 ft
Cross Section: XOW580

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW580

Weir Link: OF1991

Scenario: Existing
From Node: NSH07
To Node: SH_OUTFALL
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 7.98 ft
Control Elevation: 7.98 ft
Cross Section: XOW578

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW578

Weir Link: OF1992

Scenario: Existing
From Node: NC05
To Node: NC04
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 2.83 ft
Control Elevation: 2.83 ft
Cross Section: XOW567

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW567

Weir Link: OF1993

Scenario: Existing
From Node: NC05
To Node: N10
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 3.66 ft
Control Elevation: 3.66 ft
Cross Section: XOW575

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW575

Weir Link: OF1994

Scenario: Existing
From Node: NC05
To Node: NC06
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 2.90 ft
Control Elevation: 2.90 ft
Cross Section: XOW568

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW568

Weir Link: OF1995

Scenario: Existing
From Node: NC06
To Node: N10
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 3.69 ft
Control Elevation: 3.69 ft
Cross Section: XOW574

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW574

Weir Link: OF1996

Scenario: Existing
From Node: NC07
To Node: NC06
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 2.64 ft
Control Elevation: 2.64 ft
Cross Section: XOW569

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW569

Weir Link: OF1997

Scenario: Existing
From Node: NC08
To Node: NC07
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 2.79 ft
Control Elevation: 2.79 ft
Cross Section: XOW570

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW570

Weir Link: OF1998

Scenario: Existing
From Node: NC07
To Node: N10
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 4.03 ft
Control Elevation: 4.03 ft
Cross Section: XOW573

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW573

Weir Link: OF1999

Scenario: Existing
From Node: NC08
To Node: N10
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 3.98 ft
Control Elevation: 3.98 ft
Cross Section: XOW572

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW572

Weir Link: OF2000

Scenario: Existing
From Node: NC01B
To Node: N10
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 5.74 ft
Control Elevation: 5.74 ft
Cross Section: XOW583

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW583

Weir Link: OF2001

Scenario: Existing
From Node: NC01
To Node: N10
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 6.01 ft
Control Elevation: 6.01 ft
Cross Section: XOW582

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW582

Weir Link: OF2002

Scenario: Existing
From Node: NSH75
To Node: SH_OUTFALL
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 7.76 ft
Control Elevation: 7.76 ft
Cross Section: XOW584

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW584

Weir Link: OF2003

Scenario: Existing
From Node: NSH44
To Node: NSH35
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 9.01 ft
Control Elevation: 9.01 ft
Cross Section: XOW421

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW421

Weir Link: OF2004

Scenario: Existing
From Node: NSH28
To Node: NSH43
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 10.19 ft
Control Elevation: 10.19 ft
Cross Section: XOW585

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW585

Weir Link: OF2005

Scenario: Existing
From Node: NSH21
To Node: NSH28
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 10.97 ft
Control Elevation: 10.97 ft
Cross Section: XOW587

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW587

Weir Link: OF2006

Scenario: Existing
From Node: NSH25
To Node: NSH24
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 14.23 ft
Control Elevation: 14.23 ft
Cross Section: XOW588

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW588

Weir Link: OF2007

Scenario: Existing
From Node: NSH23
To Node: NSH48
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.10 ft
Control Elevation: 18.10 ft
Cross Section: XOW590

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW590

Weir Link: OF2008

Scenario: Existing
From Node: NSH11
To Node: NSH48
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.67 ft
Control Elevation: 20.67 ft
Cross Section: XOW589

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW589

Weir Link: OF2009

Scenario: Existing
From Node: NSH13
To Node: NSH37
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.11 ft
Control Elevation: 18.11 ft
Cross Section: XOW591

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW591

Weir Link: OF2010

Scenario: Existing
From Node: NSH41
To Node: JUNCT1
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.61 ft
Control Elevation: 18.61 ft
Cross Section: XOW593

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW593

Weir Link: OF2011

Scenario: Existing
From Node: NSH41
To Node: NSH12
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.08 ft
Control Elevation: 19.08 ft
Cross Section: XOW592

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW592

Weir Link: OF2012

Scenario: Existing
From Node: NSH33
To Node: NSH45
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 16.85 ft
Control Elevation: 16.85 ft
Cross Section: XOW595

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW595

Weir Link: OF2013

Scenario: Existing
From Node: NSH33
To Node: NSH17
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.02 ft
Control Elevation: 17.02 ft
Cross Section: XOW594

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW594

Weir Link: OF2014

Scenario: Existing
From Node: NSH13
To Node: NSH45
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.42 ft
Control Elevation: 17.42 ft
Cross Section: XOW596

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW596

Weir Link: OF2015

Scenario: Existing
From Node: NRU0495
To Node: NRU0490
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.92 ft
Control Elevation: 20.92 ft
Cross Section: XOW597

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW597

Weir Link: OF2016

Scenario: Existing
From Node: PondA
To Node: NSH04
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.58 ft
Control Elevation: 20.58 ft
Cross Section: XOW598

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW598

Weir Link: OF2017

Scenario: Existing
From Node: PondA
To Node: NSH50
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.18 ft
Control Elevation: 21.18 ft
Cross Section: XOW599

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW599

Weir Link: OF2018

Scenario: Existing
From Node: NSH50
To Node: NRU1185
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.03 ft
Control Elevation: 20.03 ft
Cross Section: XOW600

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW600

Weir Link: OF2019

Scenario: Existing
From Node: NRU1185
To Node: NSH52
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 19.80 ft
Control Elevation: 19.80 ft
Cross Section: XOW601

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW601

Weir Link: OF2020

Scenario: Existing
From Node: NSH55
To Node: NRU1185
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.06 ft
Control Elevation: 19.06 ft
Cross Section: XOW602

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW602

Weir Link: OF2021

Scenario: Existing
From Node: NRU1110
To Node: NRU0785
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.57 ft
Control Elevation: 17.57 ft
Cross Section: XOW624

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW624

Weir Link: OF2022

Scenario: Existing
From Node: NRU0490
To Node: NRU0510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.16 ft
Control Elevation: 21.16 ft
Cross Section: XOW605

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW605

Weir Link: OF2023

Scenario: Existing
From Node: NRU0510
To Node: NRU0470
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.72 ft
Control Elevation: 20.72 ft
Cross Section: XOW606

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW606

Weir Link: OF2024

Scenario: Existing
From Node: NRU0495
To Node: NRU0618
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.16 ft
Control Elevation: 21.16 ft
Cross Section: XOW607

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW607

Weir Link: OF2025

Scenario: Existing
From Node: NRU0495
To Node: NRU0510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.04 ft
Control Elevation: 21.04 ft
Cross Section: XOW608

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW608

Weir Link: OF2026

Scenario: Existing
From Node: NRU0618
To Node: NRU0616
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.24 ft
Control Elevation: 21.24 ft
Cross Section: XOW610

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW610

Weir Link: OF2027

Scenario: Existing
From Node: NRU0618
To Node: NRU0510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.24 ft
Control Elevation: 21.24 ft
Cross Section: XOW609

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW609

Weir Link: OF2028

Scenario: Existing
From Node: NRU0616
To Node: NRU0510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.90 ft
Control Elevation: 19.90 ft
Cross Section: XOW611

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW611

Weir Link: OF2029

Scenario: Existing
From Node: NRU0618
To Node: NRU1220
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.78 ft
Control Elevation: 20.78 ft
Cross Section: XOW612

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW612

Weir Link: OF2030

Scenario: Existing
From Node: NRU1220
To Node: NRU1170
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.02 ft
Control Elevation: 20.02 ft
Cross Section: XOW613

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW613

Weir Link: OF2031

Scenario: Existing
From Node: NRU1170
To Node: NRU0690
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.20 ft
Control Elevation: 19.20 ft
Cross Section: XOW615

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW615

Weir Link: OF2032

Scenario: Existing
From Node: NRU1150
To Node: NRU1110
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.25 ft
Control Elevation: 17.25 ft
Cross Section: XOW616

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW616

Weir Link: OF2033

Scenario: Existing
From Node: NRU1150
To Node: NRU0690
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.10 ft
Control Elevation: 19.10 ft
Cross Section: XOW617

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW617

Weir Link: OF2034

Scenario: Existing
From Node: NRU0690
To Node: NRU0710
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.11 ft
Control Elevation: 18.11 ft
Cross Section: XOW618

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW618

Weir Link: OF2035

Scenario: Existing
From Node: NRU0730
To Node: NRU0710
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.96 ft
Control Elevation: 17.96 ft
Cross Section: XOW623

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW623

Weir Link: OF2036

Scenario: Existing
From Node: NRU0740
To Node: NRU0710
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.81 ft
Control Elevation: 17.81 ft
Cross Section: XOW619

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW619

Weir Link: OF2037

Scenario: Existing
From Node: NRU0785
To Node: NRU0750
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 15.70 ft
Control Elevation: 15.70 ft
Cross Section: XOW625

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW625

Weir Link: OF2038

Scenario: Existing
From Node: NRU1110
To Node: NRU0750
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 16.73 ft
Control Elevation: 16.73 ft
Cross Section: XOW758

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW758

Weir Link: OF2039

Scenario: Existing
From Node: NRU0750
To Node: NRU0745
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 16.53 ft
Control Elevation: 16.53 ft
Cross Section: XOW620

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW620

Weir Link: OF2040

Scenario: Existing
From Node: NRU0930
To Node: NRU0890
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.78 ft
Control Elevation: 20.78 ft
Cross Section: XOW626

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW626

Weir Link: OF2041

Scenario: Existing
From Node: NRU0890
To Node: NRU0830
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.73 ft
Control Elevation: 19.73 ft
Cross Section: XOW627

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW627

Weir Link: OF2042

Scenario: Existing
From Node: NRU0890
To Node: NRU0970
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 18.71 ft
Control Elevation: 18.71 ft
Cross Section: XOW633

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW633

Weir Link: OF2043

Scenario: Existing
From Node: NRU0950
To Node: NRU0955
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.60 ft
Control Elevation: 17.60 ft
Cross Section: XOW628

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW628

Weir Link: OF2044

Scenario: Existing
From Node: NRU0890
To Node: NRU0950
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 19.22 ft
Control Elevation: 19.22 ft
Cross Section: XOW632

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW632

Weir Link: OF2045

Scenario: Existing
From Node: NRU1050
To Node: NRU1030
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.75 ft
Control Elevation: 17.75 ft
Cross Section: XOW634

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW634

Weir Link: OF2047

Scenario: Existing
From Node: NCL3520
To Node: JUNCT7
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.92 ft
Control Elevation: 18.92 ft
Cross Section: XOW635

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW635

Weir Link: OF2048

Scenario: Existing
From Node: NCL3520
To Node: JUNCT8
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.96 ft
Control Elevation: 18.96 ft
Cross Section: XOW636

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW636

Weir Link: OF2049

Scenario: Existing
From Node: NRU0965
To Node: NRU0960
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.95 ft
Control Elevation: 17.95 ft
Cross Section: XOW638

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW638

Weir Link: OF2050

Scenario: Existing
From Node: NRU0960
To Node: NCL3470
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.68 ft
Control Elevation: 17.68 ft
Cross Section: XOW639

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW639

Weir Link: OF2051

Scenario: Existing
From Node: NRU0965
To Node: NCL3470
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.75 ft
Control Elevation: 17.75 ft
Cross Section: XOW637

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW637

Weir Link: OF2052

Scenario: Existing
From Node: NRU1030
To Node: NRU0965
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.05 ft
Control Elevation: 18.05 ft
Cross Section: XOW640

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW640

Weir Link: OF2053

Scenario: Existing
From Node: NRU1040
To Node: NRU0960
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.23 ft
Control Elevation: 18.23 ft
Cross Section: XOW641

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW641

Weir Link: OF2054

Scenario: Existing
From Node: NCL2631
To Node: NCL3630
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.35 ft
Control Elevation: 19.35 ft
Cross Section: XOW643

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW643

Weir Link: OF2055

Scenario: Existing
From Node: NCL3630
To Node: NCL3530
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.56 ft
Control Elevation: 19.56 ft
Cross Section: XOW642

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW642

Weir Link: OF2056

Scenario: Existing
From Node: NCL3640
To Node: NCL3630
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.75 ft
Control Elevation: 19.75 ft
Cross Section: XOW644

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW644

Weir Link: OF2057

Scenario: Existing
From Node: NCL2590
To Node: NCL3530
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.28 ft
Control Elevation: 20.28 ft
Cross Section: XOW681

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW681

Weir Link: OF2058

Scenario: Existing
From Node: NCL3530
To Node: NCL3510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.95 ft
Control Elevation: 19.95 ft
Cross Section: XOW654

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW654

Weir Link: OF2059

Scenario: Existing
From Node: NCL3510
To Node: NCL3365
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.74 ft
Control Elevation: 19.74 ft
Cross Section: XOW653

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW653

Weir Link: OF2060

Scenario: Existing
From Node: NCL3365
To Node: NCL3350
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.51 ft
Control Elevation: 20.51 ft
Cross Section: XOW651

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW651

Weir Link: OF2061

Scenario: Existing
From Node: NCL3365
To Node: NCL3300
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.05 ft
Control Elevation: 20.05 ft
Cross Section: XOW652

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW652

Weir Link: OF2062

Scenario: Existing
From Node: NCL3300
To Node: NCL3290
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.50 ft
Control Elevation: 20.50 ft
Cross Section: XOW670

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW670

Weir Link: OF2063

Scenario: Existing
From Node: NCL3530
To Node: NCL3370
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.96 ft
Control Elevation: 19.96 ft
Cross Section: XOW655

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW655

Weir Link: OF2064

Scenario: Existing
From Node: NCL3370
To Node: NCL3350
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.45 ft
Control Elevation: 20.45 ft
Cross Section: XOW650

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW650

Weir Link: OF2065

Scenario: Existing
From Node: NCL3370
To Node: NCL3390
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.54 ft
Control Elevation: 20.54 ft
Cross Section: XOW649

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW649

Weir Link: OF2066

Scenario: Existing
From Node: NCL3350
To Node: NCL3290
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.33 ft
Control Elevation: 20.33 ft
Cross Section: XOW672

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW672

Weir Link: OF2067

Scenario: Existing
From Node: NCL3490
To Node: NCL3300
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.37 ft
Control Elevation: 19.37 ft
Cross Section: XOW673

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW673

Weir Link: OF2068

Scenario: Existing
From Node: NCL3300
To Node: NCL3470
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.40 ft
Control Elevation: 19.40 ft
Cross Section: XOW674

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW674

Weir Link: OF2069

Scenario: Existing
From Node: NRU1050
To Node: NRU0965
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.37 ft
Control Elevation: 18.37 ft
Cross Section: XOW675

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW675

Weir Link: OF2070

Scenario: Existing
From Node: NCL3290
To Node: NCL3280
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.10 ft
Control Elevation: 20.10 ft
Cross Section: XOW669

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW669

Weir Link: OF2071

Scenario: Existing
From Node: NCL3280
To Node: NCL3270
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.93 ft
Control Elevation: 19.93 ft
Cross Section: XOW667

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW667

Weir Link: OF2072

Scenario: Existing
From Node: NCL3170
To Node: NCL3190
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.64 ft
Control Elevation: 19.64 ft
Cross Section: XOW661

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW661

Weir Link: OF2073

Scenario: Existing
From Node: NCL3210
To Node: NCL3190
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.43 ft
Control Elevation: 19.43 ft
Cross Section: XOW671

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW671

Weir Link: OF2074

Scenario: Existing
From Node: NCL3230
To Node: NCL3210
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.75 ft
Control Elevation: 19.75 ft
Cross Section: XOW645

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW645

Weir Link: OF2075

Scenario: Existing
From Node: NCL3360
To Node: NCL3230
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.23 ft
Control Elevation: 20.23 ft
Cross Section: XOW647

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW647

Weir Link: OF2076

Scenario: Existing
From Node: NCL3350
To Node: NCL3360
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.52 ft
Control Elevation: 20.52 ft
Cross Section: XOW648

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW648

Weir Link: OF2077

Scenario: Existing
From Node: NCL3230
To Node: NCL3190
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.73 ft
Control Elevation: 19.73 ft
Cross Section: XOW646

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW646

Weir Link: OF2078

Scenario: Existing
From Node: NCL2510
To Node: NCL3390
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.49 ft
Control Elevation: 20.49 ft
Cross Section: XOW685

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW685

Weir Link: OF2079

Scenario: Existing
From Node: NCL2510
To Node: NCL2490
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.55 ft
Control Elevation: 21.55 ft
Cross Section: XOW691

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW691

Weir Link: OF2080

Scenario: Existing
From Node: NCL2490
To Node: NCL2430
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.99 ft
Control Elevation: 21.99 ft
Cross Section: XOW694

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW694

Weir Link: OF2081

Scenario: Existing
From Node: NCL2430
To Node: NCL2410
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 22.45 ft
Control Elevation: 22.45 ft
Cross Section: XOW695

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW695

Weir Link: OF2082

Scenario: Existing
From Node: NCL2910
To Node: NCL2890
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.81 ft
Control Elevation: 19.81 ft
Cross Section: XOW693

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW693

Weir Link: OF2083

Scenario: Existing
From Node: NCL2890
To Node: NCL2850
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.35 ft
Control Elevation: 21.35 ft
Cross Section: XOW659

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW659

Weir Link: OF2084

Scenario: Existing
From Node: NCL2910
To Node: NCL3210
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.45 ft
Control Elevation: 20.45 ft
Cross Section: XOW658

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW658

Weir Link: OF2085

Scenario: Existing
From Node: NCL2910
To Node: NCL3230
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.58 ft
Control Elevation: 20.58 ft
Cross Section: XOW656

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW656

Weir Link: OF2086

Scenario: Existing
From Node: NCL3390
To Node: NCL3230
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.62 ft
Control Elevation: 20.62 ft
Cross Section: XOW657

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW657

Weir Link: OF2087

Scenario: Existing
From Node: NCL2890
To Node: NCL3110
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.96 ft
Control Elevation: 20.96 ft
Cross Section: XOW660

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW660

Weir Link: OF2088

Scenario: Existing
From Node: NCL3170
To Node: NCL3110
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.55 ft
Control Elevation: 21.55 ft
Cross Section: XOW664

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW664

Weir Link: OF2089

Scenario: Existing
From Node: NCL3170
To Node: NCL3150
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.65 ft
Control Elevation: 19.65 ft
Cross Section: XOW668

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW668

Weir Link: OF2090

Scenario: Existing
From Node: NCL3150
To Node: NCL3250
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.66 ft
Control Elevation: 19.66 ft
Cross Section: XOW754

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW754

Weir Link: OF2091

Scenario: Existing
From Node: NCL3150
To Node: NCL3090
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.74 ft
Control Elevation: 19.74 ft
Cross Section: XOW730

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW730

Weir Link: OF2092

Scenario: Existing
From Node: NCL3210
To Node: NCL3110
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.13 ft
Control Elevation: 21.13 ft
Cross Section: XOW663

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW663

Weir Link: OF2093

Scenario: Existing
From Node: NRU1010
To Node: NRU0970
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.43 ft
Control Elevation: 18.43 ft
Cross Section: XOW676

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW676

Weir Link: OF2095

Scenario: Existing
From Node: NCL3640
To Node: NCL2631
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.75 ft
Control Elevation: 19.75 ft
Cross Section: XOW677

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW677

Weir Link: OF2096

Scenario: Existing
From Node: NCL2630
To Node: NCL2610
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.57 ft
Control Elevation: 20.57 ft
Cross Section: XOW678

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW678

Weir Link: OF2097

Scenario: Existing
From Node: NCL2610
To Node: NCL3630
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.55 ft
Control Elevation: 20.55 ft
Cross Section: XOW679

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW679

Weir Link: OF2098

Scenario: Existing
From Node: NCL2610
To Node: NCL2590
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.40 ft
Control Elevation: 20.40 ft
Cross Section: XOW680

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW680

Weir Link: OF2099

Scenario: Existing
From Node: NCL2550
To Node: NCL2580
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.47 ft
Control Elevation: 20.47 ft
Cross Section: XOW682

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW682

Weir Link: OF2100

Scenario: Existing
From Node: NCL2550
To Node: NCL2590
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.49 ft
Control Elevation: 20.49 ft
Cross Section: XOW683

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW683

Weir Link: OF2101

Scenario: Existing
From Node: NCL2550
To Node: NCL2530
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.49 ft
Control Elevation: 20.49 ft
Cross Section: XOW684

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW684

Weir Link: OF2102

Scenario: Existing
From Node: NCL2540
To Node: NCL2530
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.22 ft
Control Elevation: 21.22 ft
Cross Section: XOW687

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW687

Weir Link: OF2103

Scenario: Existing
From Node: NCL2540
To Node: NCL2780
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.76 ft
Control Elevation: 21.76 ft
Cross Section: XOW689

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW689

Weir Link: OF2104

Scenario: Existing
From Node: NCL2540
To Node: NCL2510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.42 ft
Control Elevation: 21.42 ft
Cross Section: XOW688

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW688

Weir Link: OF2105

Scenario: Existing
From Node: NCL2530
To Node: NCL2510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.05 ft
Control Elevation: 20.05 ft
Cross Section: XOW686

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW686

Weir Link: OF2106

Scenario: Existing
From Node: NCL2790
To Node: NCL2550
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.68 ft
Control Elevation: 21.68 ft
Cross Section: XOW690

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW690

Weir Link: OF2107

Scenario: Existing
From Node: NCL2510
To Node: NCL2910
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.49 ft
Control Elevation: 20.49 ft
Cross Section: XOW692

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW692

Weir Link: OF2108

Scenario: Existing
From Node: NCL2430
To Node: NCL2850
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 22.31 ft
Control Elevation: 22.31 ft
Cross Section: XOW696

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW696

Weir Link: OF2109

Scenario: Existing
From Node: NRU2550
To Node: NRU0180
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 16.01 ft
Control Elevation: 16.01 ft
Cross Section: XOW429

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW429

Weir Link: OF2110

Scenario: Existing
From Node: NRU0550
To Node: NRU2590
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.47 ft
Control Elevation: 18.47 ft
Cross Section: XOW697

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW697

Weir Link: OF2111

Scenario: Existing
From Node: NRU0550
To Node: NRU2570
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.05 ft
Control Elevation: 18.05 ft
Cross Section: XOW698

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW698

Weir Link: OF2112

Scenario: Existing
From Node: NRU0550
To Node: NRU0570
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.19 ft
Control Elevation: 18.19 ft
Cross Section: XOW699

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW699

Weir Link: OF2113

Scenario: Existing
From Node: NRU0570
To Node: NRU0590
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.25 ft
Control Elevation: 19.25 ft
Cross Section: XOW700

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW700

Weir Link: OF2114

Scenario: Existing
From Node: NRU0610
To Node: NRU0590
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.38 ft
Control Elevation: 19.38 ft
Cross Section: XOW701

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW701

Weir Link: OF2115

Scenario: Existing
From Node: NRU0612
To Node: NRU0610
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.28 ft
Control Elevation: 19.28 ft
Cross Section: XOW702

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW702

Weir Link: OF2116

Scenario: Existing
From Node: NRU0630
To Node: NRU0612
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.74 ft
Control Elevation: 19.74 ft
Cross Section: XOW703

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW703

Weir Link: OF2117

Scenario: Existing
From Node: NRU0630
To Node: NRU0650
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.16 ft
Control Elevation: 19.16 ft
Cross Section: XOW704

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW704

Weir Link: OF2118

Scenario: Existing
From Node: NRU0690
To Node: NRU0650
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 18.91 ft
Control Elevation: 18.91 ft
Cross Section: XOW705

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW705

Weir Link: OF2119

Scenario: Existing
From Node: NRU0612
To Node: NBW2310
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.33 ft
Control Elevation: 20.33 ft
Cross Section: XOW706

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW706

Weir Link: OF2120

Scenario: Existing
From Node: NRU0612
To Node: NRU2650
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.06 ft
Control Elevation: 20.06 ft
Cross Section: XOW707

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW707

Weir Link: OF2121

Scenario: Existing
From Node: NBW2310
To Node: NRU2650
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.40 ft
Control Elevation: 19.40 ft
Cross Section: XOW724

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW724

Weir Link: OF2122

Scenario: Existing
From Node: NBW2330
To Node: NBW2310
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.84 ft
Control Elevation: 18.84 ft
Cross Section: XOW723

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW723

Weir Link: OF2123

Scenario: Existing
From Node: NBW2230
To Node: NBW2290
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.14 ft
Control Elevation: 19.14 ft
Cross Section: XOW708

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW708

Weir Link: OF2124

Scenario: Existing
From Node: NBW2290
To Node: NBW2310
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.62 ft
Control Elevation: 19.62 ft
Cross Section: XOW722

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW722

Weir Link: OF2125

Scenario: Existing
From Node: NBW2290
To Node: NBW2270
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.56 ft
Control Elevation: 19.56 ft
Cross Section: XOW721

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW721

Weir Link: OF2126

Scenario: Existing
From Node: NBW2270
To Node: NBW2250
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.96 ft
Control Elevation: 19.96 ft
Cross Section: XOW720

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW720

Weir Link: OF2127

Scenario: Existing
From Node: NBW2250
To Node: NBW2210
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.70 ft
Control Elevation: 19.70 ft
Cross Section: XOW719

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW719

Weir Link: OF2128

Scenario: Existing
From Node: NBW2210
To Node: NBW2230
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.41 ft
Control Elevation: 19.41 ft
Cross Section: XOW718

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW718

Weir Link: OF2129

Scenario: Existing
From Node: NBW2210
To Node: NBW2150
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.40 ft
Control Elevation: 19.40 ft
Cross Section: XOW717

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW717

Weir Link: OF2130

Scenario: Existing
From Node: NBW2150
To Node: NBW2230
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.30 ft
Control Elevation: 19.30 ft
Cross Section: XOW716

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW716

Weir Link: OF2131

Scenario: Existing
From Node: NBW2150
To Node: NBW2070
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.29 ft
Control Elevation: 19.29 ft
Cross Section: XOW710

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW710

Weir Link: OF2132

Scenario: Existing
From Node: NBW2060
To Node: NBW2070
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.70 ft
Control Elevation: 19.70 ft
Cross Section: XOW712

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW712

Weir Link: OF2133

Scenario: Existing
From Node: NBW2060
To Node: NBW2050
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.17 ft
Control Elevation: 19.17 ft
Cross Section: XOW715

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW715

Weir Link: OF2134

Scenario: Existing
From Node: NBW2060
To Node: NBW2150
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.60 ft
Control Elevation: 19.60 ft
Cross Section: XOW711

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW711

Weir Link: OF2137

Scenario: Existing
From Node: NBW2330
To Node: NBW1860
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.08 ft
Control Elevation: 20.08 ft
Cross Section: XOW727

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW727

Weir Link: OF2138

Scenario: Existing
From Node: NBW2060
To Node: NBW2010
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.74 ft
Control Elevation: 19.74 ft
Cross Section: XOW713

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW713

Weir Link: OF2139

Scenario: Existing
From Node: NBW2060
To Node: NBW1990
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.51 ft
Control Elevation: 19.51 ft
Cross Section: XOW714

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW714

Weir Link: OF2140

Scenario: Existing
From Node: NBW2050
To Node: NBW1990
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.55 ft
Control Elevation: 19.55 ft
Cross Section: XOW728

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW728

Weir Link: OF2141

Scenario: Existing
From Node: NBW2050
To Node: NCL3090
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.16 ft
Control Elevation: 19.16 ft
Cross Section: XOW729

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW729

Weir Link: OF2142

Scenario: Existing
From Node: NCL2850
To Node: NCL3050
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.40 ft
Control Elevation: 21.40 ft
Cross Section: XOW731

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW731

Weir Link: OF2143

Scenario: Existing
From Node: NCL2850
To Node: NCL2370
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.68 ft
Control Elevation: 21.68 ft
Cross Section: XOW732

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW732

Weir Link: OF2144

Scenario: Existing
From Node: NCL2750
To Node: NCL2510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 22.23 ft
Control Elevation: 22.23 ft
Cross Section: XOW733

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW733

Weir Link: OF2145

Scenario: Existing
From Node: NCL2750
To Node: NCL2730
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 22.79 ft
Control Elevation: 22.79 ft
Cross Section: XOW734

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW734

Weir Link: OF2149

Scenario: Existing
From Node: NCL2770
To Node: NCL2750
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 22.66 ft
Control Elevation: 22.66 ft
Cross Section: XOW736

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW736

Weir Link: OF2150

Scenario: Existing
From Node: NCL2790
To Node: NCL2780
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 22.04 ft
Control Elevation: 22.04 ft
Cross Section: XOW737

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW737

Weir Link: OF2151

Scenario: Existing
From Node: NCL2790
To Node: NCL2540
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.45 ft
Control Elevation: 21.45 ft
Cross Section: XOW738

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW738

Weir Link: OF2152

Scenario: Existing
From Node: NCL2780
To Node: NCL2750
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 22.84 ft
Control Elevation: 22.84 ft
Cross Section: XOW739

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW739

Weir Link: OF2153

Scenario: Existing
From Node: NCL4010
To Node: JUNCT9
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 29.15 ft
Control Elevation: 29.15 ft
Cross Section: XOW741

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW741

Weir Link: OF2154

Scenario: Existing
From Node: NCL4000
To Node: JUNCT9
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 29.29 ft
Control Elevation: 29.29 ft
Cross Section: XOW740

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW740

Weir Link: OF2155

Scenario: Existing
From Node: NCL2830
To Node: NCL2810
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 22.97 ft
Control Elevation: 22.97 ft
Cross Section: XOW742

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW742

Weir Link: OF2156

Scenario: Existing
From Node: NCL2810
To Node: NCL2790
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 22.44 ft
Control Elevation: 22.44 ft
Cross Section: XOW743

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW743

Weir Link: OF2157

Scenario: Existing
From Node: NCL2830
To Node: NCL2590
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 23.07 ft
Control Elevation: 23.07 ft
Cross Section: XOW744

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW744

Weir Link: OF2158

Scenario: Existing
From Node: NCL2830
To Node: Outfall_NE
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 23.10 ft
Control Elevation: 23.10 ft
Cross Section: XOW745

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW745

Weir Link: OF2159

Scenario: Existing
From Node: NBW2130
To Node: NBW2110
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.55 ft
Control Elevation: 17.55 ft
Cross Section: XOW747

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW747

Weir Link: OF2160

Scenario: Existing
From Node: NRU0830
To Node: NBW2130
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.96 ft
Control Elevation: 17.96 ft
Cross Section: XOW746

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW746

Weir Link: OF2161

Scenario: Existing
From Node: NBW2110
To Node: NBW2090
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.38 ft
Control Elevation: 18.38 ft
Cross Section: XOW748

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW748

Weir Link: OF2162

Scenario: Existing
From Node: NBW2110
To Node: NRU0790
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.58 ft
Control Elevation: 17.58 ft
Cross Section: XOW749

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW749

Weir Link: OF2163

Scenario: Existing
From Node: NBW2090
To Node: NBW2190
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.97 ft
Control Elevation: 19.97 ft
Cross Section: XOW750

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW750

Weir Link: OF2164

Scenario: Existing
From Node: NBW2090
To Node: NBW2070
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.85 ft
Control Elevation: 19.85 ft
Cross Section: XOW751

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW751

Weir Link: OF2165

Scenario: Existing
From Node: NBW2170
To Node: NBW2150
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.04 ft
Control Elevation: 20.04 ft
Cross Section: XOW709

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW709

Weir Link: OF2166

Scenario: Existing
From Node: NBW2070
To Node: NBW2050
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.37 ft
Control Elevation: 18.37 ft
Cross Section: XOW752

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW752

Weir Link: OF2167

Scenario: Existing
From Node: NCL3150
To Node: NBW2070
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.91 ft
Control Elevation: 18.91 ft
Cross Section: XOW753

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW753

Weir Link: OF2168

Scenario: Existing
From Node: NCL3370
To Node: NCL3365
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.47 ft
Control Elevation: 20.47 ft
Cross Section: XOW756

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW756

Weir Link: OF2169

Scenario: Existing
From Node: NCL3530
To Node: NCL3365
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.38 ft
Control Elevation: 20.38 ft
Cross Section: XOW755

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW755

Weir Link: OF2170

Scenario: Existing
From Node: NRU0615
To Node: JUNCT3
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.87 ft
Control Elevation: 19.87 ft
Cross Section: XOW760

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW760

Weir Link: OF2171

Scenario: Existing
From Node: NRU0620
To Node: NRU0615
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.99 ft
Control Elevation: 19.99 ft
Cross Section: XOW759

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW759

Weir Link: OF2172

Scenario: Existing
From Node: NRU0345
To Node: NRU0340
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.98 ft
Control Elevation: 18.98 ft
Cross Section: XOW762

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW762

Weir Link: OF2173

Scenario: Existing
From Node: NRU0350
To Node: NRU0340
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.40 ft
Control Elevation: 19.40 ft
Cross Section: XOW761

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW761

Weir Link: OF2174

Scenario: Existing
From Node: NRU0340
To Node: NRU0290
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.00 ft
Control Elevation: 18.00 ft
Cross Section: XOW763

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW763

Weir Link: OF2175

Scenario: Existing
From Node: NRU0290
To Node: NRU0270
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.86 ft
Control Elevation: 17.86 ft
Cross Section: XOW764

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW764

Weir Link: OF2176

Scenario: Existing
From Node: NRU0270
To Node: JUNCT6
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 14.87 ft
Control Elevation: 14.87 ft
Cross Section: XOW767

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW767

Weir Link: OF2177

Scenario: Existing
From Node: NRU0250
To Node: NRU0170
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 14.22 ft
Control Elevation: 14.22 ft
Cross Section: XOW768

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW768

Weir Link: OF2178

Scenario: Existing
From Node: NRU0170
To Node: NRU0190
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 16.10 ft
Control Elevation: 16.10 ft
Cross Section: XOW769

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW769

Weir Link: OF2179

Scenario: Existing
From Node: NRU0180
To Node: NRU1510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 16.45 ft
Control Elevation: 16.45 ft
Cross Section: XOW770

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW770

Weir Link: OF2180

Scenario: Existing
From Node: NRU0310
To Node: NRU0270
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 17.85 ft
Control Elevation: 17.85 ft
Cross Section: XOW766

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.400
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW766

Weir Link: OF2181

Scenario: Existing
From Node: NC08
To Node: N10
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 2.73 ft
Control Elevation: 2.73 ft
Cross Section: XOW571

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW571

Weir Link: OF2182

Scenario: Existing
From Node: NRU1170
To Node: NRU1150
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.31 ft
Control Elevation: 18.31 ft
Cross Section: XOW614

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW614

Weir Link: OF2185

Scenario: Existing
From Node: NRU0710
To Node: NRU0750
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.86 ft
Control Elevation: 18.86 ft
Cross Section: XOW771

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW771

Weir Link: OF2186

Scenario: Existing
From Node: NCL3630
To Node: NCL3520
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.61 ft
Control Elevation: 19.61 ft
Cross Section: XOW773

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW773

Weir Link: OF2187

Scenario: Existing
From Node: JUNCT7
To Node: JUNCT8
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.13 ft
Control Elevation: 19.13 ft
Cross Section: XOW774

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW774

Weir Link: OF2188

Scenario: Existing
From Node: NCL3510
To Node: JUNCT7
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.42 ft
Control Elevation: 19.42 ft
Cross Section: XOW775

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW775

Weir Link: OF2550

Scenario: Existing
From Node: NCL2550
To Node: NCL3370
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 21.50 ft
Control Elevation: 21.50 ft
Cross Section: XOW2550

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF3000

Scenario: Existing
From Node: NCL2840
To Node: NCL2810
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 23.35 ft
Control Elevation: 23.35 ft
Cross Section: XOW781

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF3001

Scenario: Existing
From Node: NCL2840
To Node: NCL2790
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 23.26 ft
Control Elevation: 23.26 ft
Cross Section: XOW782

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF3002

Scenario: Existing
From Node: NSH26
To Node: NSH44
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 13.35 ft
Control Elevation: 13.35 ft
Cross Section: XOW784

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF3003

Scenario: Existing
From Node: NSH26
To Node: NSH34
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 13.62 ft
Control Elevation: 13.62 ft
Cross Section: XOW783

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF3004

Scenario: Existing
From Node: NSH14
To Node: NSH22
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.75 ft
Control Elevation: 17.75 ft
Cross Section: XOW796

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF3005

Scenario: Existing
From Node: N08A
To Node: N09
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 15.55 ft
Control Elevation: 15.55 ft
Cross Section: XOW776

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF3006

Scenario: Existing
From Node: N09
To Node: NC02
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 13.56 ft
Control Elevation: 13.56 ft
Cross Section: XOW787

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF3007

Scenario: Existing
From Node: N08A
To Node: NC02
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 16.04 ft
Control Elevation: 16.04 ft
Cross Section: XOW786

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF3008

Scenario: Existing
From Node: NCL3640
To Node: NRU1070
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.34 ft
Control Elevation: 20.34 ft
Cross Section: XOW788

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF3009

Scenario: Existing
From Node: NCL3670
To Node: NCL3450
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.38 ft
Control Elevation: 19.38 ft
Cross Section: XOW801

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF3010

Scenario: Existing
From Node: NRU2630
To Node: NRU2610
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.83 ft
Control Elevation: 18.83 ft
Cross Section: XOW785

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF3011

Scenario: Existing
From Node: NRU0176
To Node: NRU0165
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 15.99 ft
Control Elevation: 15.99 ft
Cross Section: XOW792

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF3012

Scenario: Existing
From Node: NRU0176
To Node: NRU1390
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 16.16 ft
Control Elevation: 16.16 ft
Cross Section: XOW799

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF3013

Scenario: Existing
From Node: NRU0176
To Node: NRU1390
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 16.49 ft
Control Elevation: 16.49 ft
Cross Section: XOW797

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF3014

Scenario: Existing
From Node: NRU0165
To Node: NRU0190
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.63 ft
Control Elevation: 17.63 ft
Cross Section: XOW795

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF3015

Scenario: Existing
From Node: NRU0165
To Node: NRU0170
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.81 ft
Control Elevation: 17.81 ft
Cross Section: XOW793

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF3016

Scenario: Existing
From Node: NRU0345
To Node: NRU0335
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.68 ft
Control Elevation: 19.68 ft
Cross Section: XOW798

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF3017

Scenario: Existing
From Node: NRU1220
To Node: NRU0650
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.19 ft
Control Elevation: 20.19 ft
Cross Section: XOW790

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF3018

Scenario: Existing
From Node: N01
To Node: N04
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.22 ft
Control Elevation: 20.22 ft
Cross Section: XOW794

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF3019

Scenario: Existing
From Node: NRU0370
To Node: NRU0350
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.05 ft
Control Elevation: 19.05 ft
Cross Section: XOW779

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF3020

Scenario: Existing
From Node: NSH51
To Node: E_Outlet2
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.53 ft
Control Elevation: 19.53 ft
Cross Section: XOW780

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF3021

Scenario: Existing
From Node: NRU1070
To Node: E_Outlet2
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.90 ft
Control Elevation: 19.90 ft
Cross Section: XOW777

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF3022

Scenario: Existing
From Node: N11
To Node: E_Outlet
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 16.83 ft
Control Elevation: 16.83 ft
Cross Section: XOW778

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4000

Scenario: Existing
From Node: NRU0740
To Node: NRU0745
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 16.93 ft
Control Elevation: 16.93 ft
Cross Section: OF4000

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4001

Scenario: Existing
From Node: NBW2145
To Node: NBW2130
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 19.13 ft
Control Elevation: 19.13 ft
Cross Section: OF4001

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4002

Scenario: Existing
From Node: NBW2145
To Node: NRU0790
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 19.24 ft
Control Elevation: 19.24 ft
Cross Section: OF4002

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4003

Scenario: Existing
From Node: NRU0830
To Node: NRU1010
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.04 ft
Control Elevation: 20.04 ft
Cross Section: OF4003

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4004

Scenario: Existing
From Node: NRU1010
To Node: NRU1240
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.28 ft
Control Elevation: 20.28 ft
Cross Section: OF4004

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4005

Scenario: Existing
From Node: NRU1010
To Node: NSH57
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.23 ft
Control Elevation: 20.23 ft
Cross Section: OF4005

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4006

Scenario: Existing
From Node: NRU0830
To Node: NRU1240
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 19.94 ft
Control Elevation: 19.94 ft
Cross Section: OF4006

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4007

Scenario: Existing
From Node: NCL3740
To Node: NCL3730
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 17.78 ft
Control Elevation: 17.78 ft
Cross Section: OF4007

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4008

Scenario: Existing
From Node: NCL3730
To Node: NRU0950
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 17.55 ft
Control Elevation: 17.55 ft
Cross Section: OF4008

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4009

Scenario: Existing
From Node: NCL3730
To Node: NRU0850
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 17.03 ft
Control Elevation: 17.03 ft
Cross Section: OF4009

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4010

Scenario: Existing
From Node: NCL3730
To Node: NBW2130
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 18.10 ft
Control Elevation: 18.10 ft
Cross Section: OF4010

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4011

Scenario: Existing
From Node: NCL3730
To Node: NCL3450
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 18.07 ft
Control Elevation: 18.07 ft
Cross Section: OF4011

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4012

Scenario: Existing
From Node: NCL3450
To Node: NBW2110
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 17.94 ft
Control Elevation: 17.94 ft
Cross Section: OF4012

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4013

Scenario: Existing
From Node: NCL3740
To Node: NRU0955
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 17.59 ft
Control Elevation: 17.59 ft
Cross Section: OF4013

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4014

Scenario: Existing
From Node: NCL3250
To Node: NBW2110
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 18.79 ft
Control Elevation: 18.79 ft
Cross Section: OF4014

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4015

Scenario: Existing
From Node: NCL3350
To Node: NCL3190
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.33 ft
Control Elevation: 20.33 ft
Cross Section: OF4015

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4016

Scenario: Existing
From Node: NCL2510
To Node: NCL2910
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 21.36 ft
Control Elevation: 21.36 ft
Cross Section: OF4016

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4017

Scenario: Existing
From Node: NCL2530
To Node: NCL3390
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.85 ft
Control Elevation: 20.85 ft
Cross Section: OF4017

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4018

Scenario: Existing
From Node: NCL2530
To Node: NCL3370
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.92 ft
Control Elevation: 20.92 ft
Cross Section: OF4018

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4019

Scenario: Existing
From Node: NCL3520
To Node: NRU1050
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 19.18 ft
Control Elevation: 19.18 ft
Cross Section: OF4019

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4020

Scenario: Existing
From Node: NRU1070
To Node: NRU1050
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 19.21 ft
Control Elevation: 19.21 ft
Cross Section: OF4020

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4021

Scenario: Existing
From Node: JUNCT7B
To Node: NCL3490
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 18.25 ft
Control Elevation: 18.25 ft
Cross Section: OF4021

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4022

Scenario: Existing
From Node: JUNCT8B
To Node: JUNCT7B
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 18.26 ft
Control Elevation: 18.26 ft
Cross Section: OF4022

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4023

Scenario: Existing
From Node: NCL2590
To Node: NCL3630
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.89 ft
Control Elevation: 20.89 ft
Cross Section: OF4023

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4024

Scenario: Existing
From Node: NCL2630
To Node: NCL3640
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.38 ft
Control Elevation: 20.38 ft
Cross Section: OF4024

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4025

Scenario: Existing
From Node: NRU0790
To Node: NRU0785
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 16.23 ft
Control Elevation: 16.23 ft
Cross Section: XOW800

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4026

Scenario: Existing
From Node: NCL3670
To Node: NBW2110
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.95 ft
Control Elevation: 18.95 ft
Cross Section: XOW802

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4029

Scenario: Existing
From Node: NSH43
To Node: NSH75
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 7.68 ft
Control Elevation: 7.68 ft
Cross Section: XOW853

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4050

Scenario: Existing
From Node: NSH37
To Node: NSH17
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 17.87 ft
Control Elevation: 17.87 ft
Cross Section: XOW910

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4051

Scenario: Existing
From Node: NSH14
To Node: NSH17
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 17.73 ft
Control Elevation: 17.73 ft
Cross Section: XOW911

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4060

Scenario: Existing
From Node: NCL2790
To Node: JUNCT10
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.35 ft
Control Elevation: 21.35 ft
Cross Section: XOW920

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4061

Scenario: Existing
From Node: NRU0180
To Node: NRU1510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 15.72 ft
Control Elevation: 15.72 ft
Cross Section: XOW921

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4062

Scenario: Existing
From Node: NSH26
To Node: NSH27
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 13.42 ft
Control Elevation: 13.42 ft
Cross Section: XOW922

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4070

Scenario: Existing
From Node: NCL3450
To Node: NCL3730
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 17.34 ft
Control Elevation: 17.34 ft
Cross Section: XOW930

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: OutBox1	Upstream	Downstream
Scenario: Existing	Invert: -1.12 ft	Invert: -1.23 ft
From Node: Shamrock2	Manning's N: 0.0140	Manning's N: 0.0140
To Node: Outfall	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Max Width: 5.00 ft	Max Width: 5.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 334.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: OutBox2	Upstream	Downstream
Scenario: Existing	Invert: -1.12 ft	Invert: -1.23 ft
From Node: Shamrock2	Manning's N: 0.0140	Manning's N: 0.0140
To Node: Outfall	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Max Width: 5.00 ft	Max Width: 5.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 334.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: P01A		Upstream	Downstream
Scenario:	Existing	Invert: 15.08 ft	Invert: 14.80 ft
From Node:	N01A	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	PondA	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	92.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Field			

Pipe Link: P02		Upstream	Downstream
Scenario:	Existing	Invert: 12.71 ft	Invert: 10.97 ft
From Node:	N02	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	N05	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	70.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: CityPlans			

Pipe Link: P03		Upstream	Downstream
Scenario:	Existing	Invert: 16.00 ft	Invert: 12.71 ft
From Node:	N03	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	N02	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	175.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: CityPlans, Field

Pipe Link: P04	Upstream	Downstream
Scenario: Existing	Invert: 16.60 ft	Invert: 15.14 ft
From Node: N04	Manning's N: 0.0120	Manning's N: 0.0120
To Node: N05	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 171.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Selmon Plans, CityPlans, Field

Pipe Link: P05	Upstream	Downstream
Scenario: Existing	Invert: 10.71 ft	Invert: 10.55 ft
From Node: N05	Manning's N: 0.0120	Manning's N: 0.0120
To Node: PondB	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 3.58 ft	Max Depth: 3.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 120.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: CityPlans

Pipe Link: P06	Upstream	Downstream
Scenario: Existing	Invert: 9.63 ft	Invert: 5.59 ft

From Node:	N06	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N07A	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	1300.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory					

Pipe Link:	P07C	Upstream		Downstream	
Scenario:	Existing	Invert:	5.59 ft	Invert:	2.99 ft
From Node:	N07A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N08A	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	610.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory					

Pipe Link:	P08C	Upstream		Downstream	
Scenario:	Existing	Invert:	2.99 ft	Invert:	1.88 ft
From Node:	N08A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N09A	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	150.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment: Inventory

Pipe Link: P09A

Upstream

Downstream

Scenario: Existing
 From Node: N09
 To Node: N09A
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 32.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 7.50 ft
 Manning's N: 0.0120

Invert: 7.14 ft
 Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 2.00 ft

Max Depth: 2.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Inventory

Pipe Link: P09B

Upstream

Downstream

Scenario: Existing
 From Node: N09A
 To Node: NC02
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 300.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 1.88 ft
 Manning's N: 0.0120

Invert: 0.38 ft
 Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 4.00 ft

Max Depth: 4.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Inventory

Pipe Link: PC01

Upstream

Downstream

Scenario: Existing
 From Node: NC01
 To Node: N10

Invert: 2.65 ft
 Manning's N: 0.0120

Invert: 0.25 ft
 Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	148.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory					

Pipe Link: PC01B	Upstream	Downstream
Scenario: Existing	Invert: 4.18 ft	Invert: 1.93 ft
From Node: NC01B	Manning's N: 0.0240	Manning's N: 0.0240
To Node: NC03	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 333.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: PC02	Upstream	Downstream
Scenario: Existing	Invert: 0.38 ft	Invert: -1.91 ft
From Node: NC02	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NC03	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 458.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: PC03	Upstream	Downstream
Scenario: Existing	Invert: -1.91 ft	Invert: -2.62 ft
From Node: NC03	Manning's N: 0.0120	Manning's N: 0.0120
To Node: N10	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 153.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: PC04	Upstream	Downstream
Scenario: Existing	Invert: -1.31 ft	Invert: -1.50 ft
From Node: NC04	Manning's N: 0.0120	Manning's N: 0.0120
To Node: N10	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 45.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: PC05	Upstream	Downstream
Scenario: Existing	Invert: -1.11 ft	Invert: -1.50 ft
From Node: NC05	Manning's N: 0.0120	Manning's N: 0.0120
To Node: N10	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	49.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory

Pipe Link: PC06	Upstream	Downstream
Scenario: Existing	Invert: -1.83 ft	Invert: -2.00 ft
From Node: NC06	Manning's N: 0.0120	Manning's N: 0.0120
To Node: N10	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 35.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: PC07	Upstream	Downstream
Scenario: Existing	Invert: -1.01 ft	Invert: -1.50 ft
From Node: NC07	Manning's N: 0.0120	Manning's N: 0.0120
To Node: N10	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 50.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: PC08		Upstream	Downstream
Scenario:	Existing	Invert: -1.21 ft	Invert: -1.50 ft
From Node:	NC08	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	N10	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	54.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory			

Rating Curve Link: PSCL3730				
Scenario:	Existing			
From Node:	NCL3730			
To Node:	NCL3460			
Link Count:	1			
Flow Direction:	None			
Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PSCL3730	13.00	NCL3730	9.50	NCL3730
PSCL3730B	13.00	NCL3730	9.50	NCL3730
Comment: Pump station added per ERP 6550				

Pipe Link: PSH06		Upstream	Downstream
Scenario:	Existing	Invert: 15.78 ft	Invert: 18.10 ft
From Node:	Marjory_Pump	Manning's N: 0.0100	Manning's N: 0.0100
To Node:	NRU0490	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 0.67 ft	Max Depth: 0.67 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	380.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: CityPlans			

Pipe Link: PSH31		Upstream	Downstream
Scenario:	Existing	Invert: 4.54 ft	Invert: 4.29 ft
From Node:	NSH31	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NSH35	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	88.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Field			

Pipe Link: PSH51		Upstream	Downstream
Scenario:	Existing	Invert: 14.41 ft	Invert: 13.37 ft
From Node:	NSH51	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NSH53	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	345.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: CityPlans			

Pipe Link: R11		Upstream	Downstream
Scenario:	Existing	Invert: 11.14 ft	Invert: 9.17 ft
From Node:	N11	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	E_Outlet	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Max Width: 4.00 ft	Max Width: 4.00 ft
Damping:	0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	691.16 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.50	Op Table:	Op Table:
Exit Loss Coef:	0.50	Ref Node:	Ref Node:

Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RBB0030	Upstream	Downstream
Scenario: Existing	Invert: -3.17 ft	Invert: -3.37 ft
From Node: NBB0030	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBB0010	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 900.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBB0050	Upstream	Downstream
Scenario: Existing	Invert: -1.77 ft	Invert: -3.17 ft
From Node: NBB0050	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBB0030	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 900.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBB0070		Upstream	Downstream
Scenario:	Existing	Invert: 0.13 ft	Invert: -1.77 ft
From Node:	NBB0070	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NBB0050	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	506.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: RBB0090		Upstream	Downstream
Scenario:	Existing	Invert: 1.33 ft	Invert: 0.13 ft
From Node:	NBB0090	Manning's N: 0.0150	Manning's N: 0.0150
To Node:	NBB0070	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	456.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RBB0090OW		Upstream	Downstream
Scenario:	Existing	Invert: 13.13 ft	Invert: 13.12 ft
From Node:	NBB0090	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBB0050	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RBB0090OW	Cross Section: RBB0090OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Pipe Link: RBB0110

Scenario: Existing
From Node: NBB0110
To Node: NBB0090
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 240.00 ft
FHWA Code: 0
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 2.33 ft
Manning's N: 0.0170
Geometry: Circular
Max Depth: 4.50 ft

Downstream

Invert: 1.33 ft
Manning's N: 0.0170
Geometry: Circular
Max Depth: 4.50 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RBB0110OW

Scenario: Existing
From Node: NBB0130
To Node: NBB0110
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 16.10 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RBB0110OW

Downstream

Invert: 16.09 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RBB0110OW

Comment:

Pipe Link: RBB0130

Scenario: Existing

Upstream

Invert: 9.83 ft

Downstream

Invert: 9.33 ft

From Node:	NBB0130	Manning's N:	0.0150	Manning's N:	0.0150
To Node:	NBB0110	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	200.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link:	RBB0150	Upstream		Downstream	
Scenario:	Existing	Invert:	4.13 ft	Invert:	2.36 ft
From Node:	NBB0150	Manning's N:	0.0160	Manning's N:	0.0160
To Node:	NBB0110	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	450.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link:	RBB0170	Upstream		Downstream	
Scenario:	Existing	Invert:	4.18 ft	Invert:	4.13 ft
From Node:	NBB0170	Manning's N:	0.0180	Manning's N:	0.0180
To Node:	NBB0150	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	250.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: RBB0190

Upstream

Downstream

Scenario: Existing
 From Node: NBB0190
 To Node: NBB0170
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 260.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 4.42 ft
 Manning's N: 0.0170

Invert: 4.18 ft
 Manning's N: 0.0170

Geometry: Circular

Geometry: Circular

Max Depth: 4.00 ft

Max Depth: 4.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: RBB0210

Upstream

Downstream

Scenario: Existing
 From Node: NBB0210
 To Node: NBB0190
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 260.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 4.66 ft
 Manning's N: 0.0170

Invert: 4.42 ft
 Manning's N: 0.0170

Geometry: Circular

Geometry: Circular

Max Depth: 4.00 ft

Max Depth: 4.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: RBB0230

Upstream

Downstream

Scenario: Existing
 From Node: NBB0230
 To Node: NBB0210

Invert: 4.99 ft
 Manning's N: 0.0170

Invert: 4.66 ft
 Manning's N: 0.0170

Geometry: Circular

Geometry: Circular

Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	300.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RBB0230OW		Upstream		Downstream	
Scenario:	Existing	Invert:	16.45 ft	Invert:	16.44 ft
From Node:	NBB0230	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBB0190	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	RBB0230OW	Cross Section:	RBB0230OW

Flow Direction:	Both
Damping:	0.0000 ft
Length:	33.00 ft
Contraction Coef:	0.00
Expansion Coef:	0.00
Entr Loss Coef:	0.00
Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Comment:

Pipe Link: RBB0250		Upstream		Downstream	
Scenario:	Existing	Invert:	5.16 ft	Invert:	4.99 ft
From Node:	NBB0250	Manning's N:	0.0170	Manning's N:	0.0170
To Node:	NBB0230	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	300.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RBB0270	Upstream	Downstream
Scenario: Existing	Invert: 5.38 ft	Invert: 5.16 ft
From Node: NBB0270	Manning's N: 0.0150	Manning's N: 0.0150
To Node: NBB0250	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 500.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBB0270OW	Upstream	Downstream
Scenario: Existing	Invert: 15.77 ft	Invert: 15.76 ft
From Node: NBB0270	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBB0310	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBB0270OW	Cross Section: RBB0270OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBB0290	Upstream	Downstream
Scenario: Existing	Invert: 5.73 ft	Invert: 5.38 ft
From Node: NBB0290	Manning's N: 0.0180	Manning's N: 0.0180
To Node: NBB0270	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	230.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: RBB0310	Upstream	Downstream
Scenario: Existing	Invert: 5.97 ft	Invert: 5.73 ft
From Node: NBB0310	Manning's N: 0.0170	Manning's N: 0.0170
To Node: NBB0290	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 240.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RBB0330	Upstream	Downstream
Scenario: Existing	Invert: 6.24 ft	Invert: 5.97 ft
From Node: NBB0330	Manning's N: 0.0160	Manning's N: 0.0160
To Node: NBB0310	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 380.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RBB0330OW		Upstream	Downstream
Scenario:	Existing	Invert: 15.99 ft	Invert: 15.98 ft
From Node:	NBB0330	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBB0370	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RBB0330OW	Cross Section: RBB0330OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RBB0350		Upstream	Downstream
Scenario:	Existing	Invert: 6.65 ft	Invert: 6.24 ft
From Node:	NBB0350	Manning's N: 0.0160	Manning's N: 0.0160
To Node:	NBB0330	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	300.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: RBB0370		Upstream	Downstream
Scenario:	Existing	Invert: 6.99 ft	Invert: 6.65 ft
From Node:	NBB0370	Manning's N: 0.0170	Manning's N: 0.0170
To Node:	NBB0350	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	250.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RBB0390	Upstream	Downstream
Scenario: Existing	Invert: 7.48 ft	Invert: 6.99 ft
From Node: NBB0390	Manning's N: 0.0160	Manning's N: 0.0160
To Node: NBB0370	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 360.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBB0410	Upstream	Downstream
Scenario: Existing	Invert: 9.00 ft	Invert: 7.48 ft
From Node: NBB0410	Manning's N: 0.0150	Manning's N: 0.0150
To Node: NBB0390	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 520.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBB0410OW	Upstream	Downstream
Scenario: Existing	Invert: 15.09 ft	Invert: 15.08 ft

From Node:	NBB0410	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBB0370	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RBB0410OW	Cross Section:	RBB0410OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RBB0430		Upstream	Downstream
Scenario:	Existing	Invert: 9.32 ft	Invert: 9.00 ft
From Node:	NBB0430	Manning's N: 0.0180	Manning's N: 0.0180
To Node:	NBB0410	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	190.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RBB0430OW		Upstream	Downstream
Scenario:	Existing	Invert: 14.93 ft	Invert: 14.03 ft
From Node:	NBB0430	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	G1	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction:	Both	Extrapolation: Normal	Extrapolation: Normal
Damping:	0.0000 ft	Bottom Width: 50.00 ft	Bottom Width: 50.00 ft
Length:	491.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef:	0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip	
Entr Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef:	0.00	Op Table:	Op Table:
Bend Loss Coef:	0.00	Ref Node:	Ref Node:

Bend Location: 0.00 dec Manning's N: 0.0000 Manning's N: 0.0000
 Energy Switch: Energy

Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBB0430OWa

Scenario: Existing
 From Node: NBB0430
 To Node: G2
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 520.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream	Downstream
Invert: 15.13 ft	Invert: 14.63 ft
Manning's N: 0.0200	Manning's N: 0.0200
Geometry: Trapezoidal	Geometry: Trapezoidal
Max Depth: 0.50 ft	Max Depth: 0.50 ft
Extrapolation: Normal	Extrapolation: Normal
Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)

Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBC_001

Scenario: Existing
 From Node: NBW2690
 To Node: NSR0881
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 720.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.90
 Exit Loss Coef: 0.20
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream	Downstream
Invert: 6.40 ft	Invert: 5.72 ft
Manning's N: 0.0130	Manning's N: 0.0130
Geometry: Rectangular	Geometry: Rectangular
Max Depth: 5.00 ft	Max Depth: 5.00 ft
Max Width: 8.00 ft	Max Width: 8.00 ft
Fillet: 0.00 ft	Fillet: 0.00 ft

Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: RBC_003

Scenario: Existing
 From Node: NSR0881
 To Node: NBW2380
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 1260.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.20
 Exit Loss Coef: 0.70
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 5.72 ft
 Manning's N: 0.0130
 Geometry: Rectangular
 Max Depth: 5.00 ft
 Max Width: 8.00 ft
 Fillet: 0.00 ft

Downstream

Invert: 4.49 ft
 Manning's N: 0.0130
 Geometry: Rectangular
 Max Depth: 5.00 ft
 Max Width: 8.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: RBC_004

Scenario: Existing
 From Node: NBW2380
 To Node: NBW1353
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 660.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.70
 Exit Loss Coef: 0.20
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 4.49 ft
 Manning's N: 0.0130
 Geometry: Rectangular
 Max Depth: 5.00 ft
 Max Width: 8.00 ft
 Fillet: 0.00 ft

Downstream

Invert: 3.84 ft
 Manning's N: 0.0130
 Geometry: Rectangular
 Max Depth: 5.00 ft
 Max Width: 8.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: RBC_005

Upstream

Downstream

Scenario: Existing
 From Node: NBW1353
 To Node: NBW1352
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 640.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.20
 Exit Loss Coef: 0.20
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert:	3.84 ft	Invert:	3.21 ft
Manning's N:	0.0130	Manning's N:	0.0130
Geometry: Rectangular		Geometry: Rectangular	
Max Depth:	5.00 ft	Max Depth:	5.00 ft
Max Width:	8.00 ft	Max Width:	8.00 ft
Fillet:	0.00 ft	Fillet:	0.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RBC_006

Scenario: Existing
 From Node: NBW1352
 To Node: NBW1351
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 620.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.20
 Exit Loss Coef: 0.20
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream		Downstream	
Invert:	3.21 ft	Invert:	2.60 ft
Manning's N:	0.0130	Manning's N:	0.0130
Geometry: Rectangular		Geometry: Rectangular	
Max Depth:	5.00 ft	Max Depth:	5.00 ft
Max Width:	8.00 ft	Max Width:	8.00 ft
Fillet:	0.00 ft	Fillet:	0.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RBC_007

Scenario: Existing
 From Node: NBW1351
 To Node: NSR0790
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 670.00 ft

Upstream		Downstream	
Invert:	2.60 ft	Invert:	1.60 ft
Manning's N:	0.0130	Manning's N:	0.0130
Geometry: Rectangular		Geometry: Rectangular	
Max Depth:	5.00 ft	Max Depth:	5.00 ft
Max Width:	8.00 ft	Max Width:	8.00 ft
Fillet:	0.00 ft	Fillet:	0.00 ft
Bottom Clip			

FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.90	Op Table:		Op Table:	
Exit Loss Coef:	0.90	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Top Clip

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RBC_008

Upstream

Downstream

Scenario: Existing
 From Node: NSR0790
 To Node: NSR0791
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 603.00 ft

Invert:	1.60 ft	Invert:	1.60 ft
Manning's N:	0.0130	Manning's N:	0.0130
Geometry: Rectangular		Geometry: Rectangular	
Max Depth:	5.00 ft	Max Depth:	5.00 ft
Max Width:	8.00 ft	Max Width:	8.00 ft
Fillet:	0.00 ft	Fillet:	0.00 ft

Bottom Clip

FHWA Code: 0
 Entr Loss Coef: 0.90
 Exit Loss Coef: 0.90
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Top Clip

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RBC_009

Upstream

Downstream

Scenario: Existing
 From Node: NSR0791
 To Node: NSR0281
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 687.00 ft

Invert:	1.60 ft	Invert:	-1.74 ft
Manning's N:	0.0130	Manning's N:	0.0130
Geometry: Rectangular		Geometry: Rectangular	
Max Depth:	5.00 ft	Max Depth:	5.00 ft
Max Width:	8.00 ft	Max Width:	8.00 ft
Fillet:	0.00 ft	Fillet:	0.00 ft

Bottom Clip

FHWA Code: 0
 Entr Loss Coef: 0.70
 Exit Loss Coef: 0.70
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Top Clip

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	

Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Comment:	

Pipe Link: RBC_010	Upstream	Downstream
Scenario: Existing	Invert: -1.74 ft	Invert: -3.70 ft
From Node: NSR0281	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0280	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 8.00 ft	Max Width: 8.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 385.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.20	Op Table:	Op Table:
Exit Loss Coef: 0.20	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBC_011	Upstream	Downstream
Scenario: Existing	Invert: -3.70 ft	Invert: -5.00 ft
From Node: NSR0280	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0550	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 8.00 ft	Max Width: 8.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 265.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.70	Op Table:	Op Table:
Exit Loss Coef: 0.70	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBC_012		Upstream	Downstream
Scenario:	Existing	Invert: -5.00 ft	Invert: -5.00 ft
From Node:	NSR0550	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NSR0160	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping:	0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	650.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.20	Op Table:	Op Table:
Exit Loss Coef:	0.20	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip	
Energy Switch:	Energy	Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBC_013		Upstream	Downstream
Scenario:	Existing	Invert: -5.00 ft	Invert: -5.00 ft
From Node:	NSR0160	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NSR0140	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping:	0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	57.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.20	Op Table:	Op Table:
Exit Loss Coef:	0.20	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip	
Energy Switch:	Energy	Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBC_014		Upstream	Downstream
Scenario:	Existing	Invert: -5.00 ft	Invert: -5.00 ft
From Node:	NSR0140	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NSR0120	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping:	0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft

Length: 356.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.20	Op Table:	Op Table:
Exit Loss Coef: 0.20	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RBC_015	Upstream	Downstream
Scenario: Existing	Invert: -5.00 ft	Invert: -5.00 ft
From Node: NSR0120	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0112	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 76.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.20	Op Table:	Op Table:
Exit Loss Coef: 0.20	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RBC_016	Upstream	Downstream
Scenario: Existing	Invert: -5.00 ft	Invert: -5.00 ft
From Node: NSR0112	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0105	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 135.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.20	Op Table:	Op Table:
Exit Loss Coef: 0.20	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft

Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Comment:	

Pipe Link: RBC_017	Upstream	Downstream
Scenario: Existing	Invert: -5.00 ft	Invert: -5.00 ft
From Node: NSR0105	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0000	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping: 0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 174.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.20	Op Table:	Op Table:
Exit Loss Coef: 1.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBC_100	Upstream	Downstream
Scenario: Existing	Invert: 4.60 ft	Invert: 0.52 ft
From Node: NBW1351	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW1330	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Max Width: 5.00 ft	Max Width: 5.00 ft
Damping: 0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 355.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.70	Op Table:	Op Table:
Exit Loss Coef: 1.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBC_101		Upstream	Downstream
Scenario:	Existing	Invert: 2.60 ft	Invert: 0.80 ft
From Node:	NBW1351	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NBW1310	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	360.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RBW0030		Upstream	Downstream
Scenario:	Existing	Invert: -2.10 ft	Invert: -4.67 ft
From Node:	NBW0030	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW0010	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RBW0030	Cross Section: RBW0030
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	700.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RBW0050		Upstream	Downstream
Scenario:	Existing	Invert: 1.63 ft	Invert: 1.13 ft
From Node:	NBW0050	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NBW0030	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	58.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: RBW0050OW

Scenario:	Existing	Bottom Clip	
From Node:	NBW0050	Default:	0.00 ft
To Node:	NBW0030	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.00 ft	Discharge Coefficients	
Control Elevation:	4.00 ft	Weir Default:	2.600
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	20.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Weir Link: RBW0050OWA

Scenario:	Existing	Bottom Clip	
From Node:	NBW0050	Default:	0.00 ft
To Node:	NSR0140	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.60 ft	Discharge Coefficients	
Control Elevation:	5.60 ft	Weir Default:	2.600
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	43.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: RBW0070

	Upstream	Downstream			
Scenario:	Existing	Invert:	-1.83 ft	Invert:	-2.07 ft
From Node:	NBW0070	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	NBW0030	Geometry:	Rectangular	Geometry:	Rectangular

Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 15.00 ft	Max Width: 15.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 30.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 1.00	Op Table:	Op Table:
Exit Loss Coef: 1.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RBW0090OW

Scenario: Existing	Bottom Clip
From Node: NBW0090	Default: 0.00 ft
To Node: NBW0030	Op Table:
Link Count: 1	Ref Node:
Flow Direction: Both	Top Clip
Damping: 0.0000 ft	Default: 0.00 ft
Weir Type: Broad Crested Vertical	Op Table:
Geometry Type: Rectangular	Ref Node:
Invert: 3.60 ft	Discharge Coefficients
Control Elevation: 3.60 ft	Weir Default: 2.600
Max Depth: 9999.00 ft	Weir Table:
Max Width: 10.00 ft	Orifice Default: 0.600
Fillet: 0.00 ft	Orifice Table:

Comment:

Channel Link: RBW0130

	Upstream	Downstream
Scenario: Existing	Invert: -0.42 ft	Invert: -1.83 ft
From Node: NBW0130	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0070	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW0130	Cross Section: RBW0130
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 600.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		

Energy Switch: Energy

Comment:

Pipe Link: RBW0150	Upstream	Downstream
Scenario: Existing	Invert: 0.21 ft	Invert: 0.15 ft
From Node: NBW0150	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW0130	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 64.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RBW0150OWA		
Scenario:	Existing	Bottom Clip
From Node:	NBW0150	Default: 0.00 ft
To Node:	NBW0130	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	4.70 ft	Discharge Coefficients
Control Elevation:	4.70 ft	Weir Default: 2.600
Max Depth:	9999.00 ft	Weir Table:
Max Width:	20.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Pipe Link: RBW0170	Upstream	Downstream
Scenario: Existing	Invert: 0.61 ft	Invert: 0.21 ft
From Node: NBW0170	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW0150	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	187.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RBW0170OW

	Upstream	Downstream
Scenario:	Existing	Existing
Invert:	4.40 ft	3.40 ft
From Node:	NBW0170	NBW0170
Manning's N:	0.0000	0.0000
To Node:	NBW0090	NBW0090
Geometry:	Irregular	Irregular
Link Count:	1	1
Cross Section:	CURB_20FT_FULL	CURB_20FT_FULL
Flow Direction:	Both	Both
Damping:	0.0000 ft	0.0000 ft
Length:	496.00 ft	496.00 ft
Contraction Coef:	0.00	0.00
Expansion Coef:	0.00	0.00
Entr Loss Coef:	0.00	0.00
Exit Loss Coef:	0.00	0.00
Bend Loss Coef:	0.00	0.00
Bend Location:	0.00 dec	0.00 dec
Energy Switch:	Energy	Energy

Comment:

Channel Link: RBW0170OWA

	Upstream	Downstream
Scenario:	Existing	Existing
Invert:	4.10 ft	4.50 ft
From Node:	NBW0170	NBW0170
Manning's N:	0.0000	0.0000
To Node:	NBW0150	NBW0150
Geometry:	Irregular	Irregular
Link Count:	1	1
Cross Section:	CURB_20FT_FULL	CURB_20FT_FULL
Flow Direction:	Both	Both
Damping:	0.0000 ft	0.0000 ft
Length:	208.00 ft	208.00 ft
Contraction Coef:	0.00	0.00
Expansion Coef:	0.00	0.00
Entr Loss Coef:	0.00	0.00
Exit Loss Coef:	0.00	0.00
Bend Loss Coef:	0.00	0.00
Bend Location:	0.00 dec	0.00 dec
Energy Switch:	Energy	Energy

Comment:

Channel Link: RBW0190		Upstream	Downstream
Scenario:	Existing	Invert: 0.28 ft	Invert: -0.37 ft
From Node:	NBW0190	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW0130	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RBW0190	Cross Section: RBW0190
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	350.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Weir Link: RBW0210OW		Bottom Clip
Scenario:	Existing	Default: 0.00 ft
From Node:	NBW0210	Op Table:
To Node:	NBW0190	Ref Node:
Link Count:	1	Top Clip
Flow Direction:	Both	Default: 0.00 ft
Damping:	0.0000 ft	Op Table:
Weir Type:	Broad Crested Vertical	Ref Node:
Geometry Type:	Rectangular	Discharge Coefficients
Invert:	6.00 ft	Weir Default: 2.400
Control Elevation:	6.00 ft	Weir Table:
Max Depth:	833.25 ft	Orifice Default: 0.600
Max Width:	20.00 ft	Orifice Table:
Fillet:	0.00 ft	

Comment:

Pipe Link: RBW0230		Upstream	Downstream
Scenario:	Existing	Invert: -0.34 ft	Invert: -0.42 ft
From Node:	NBW0230	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NBW0190	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping:	0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	45.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	1.00	Op Table:	Op Table:
Exit Loss Coef:	1.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000

Bend Location: 0.00 dec
Energy Switch: Energy

Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBW0230A

Scenario: Existing
From Node: NBW0230
To Node: NBW0190
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 45.00 ft
FHWA Code: 0
Entr Loss Coef: 1.00
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream	Downstream
Invert: -0.34 ft	Invert: -0.42 ft
Manning's N: 0.0130	Manning's N: 0.0130
Geometry: Rectangular	Geometry: Rectangular
Max Depth: 5.00 ft	Max Depth: 5.00 ft
Max Width: 10.00 ft	Max Width: 10.00 ft
Fillet: 0.00 ft	Fillet: 0.00 ft

Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW0250

Scenario: Existing
From Node: NBW0250
To Node: NBW0230
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 304.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream	Downstream
Invert: 0.39 ft	Invert: 0.28 ft
Manning's N: 0.0000	Manning's N: 0.0000
Geometry: Irregular	Geometry: Irregular
Cross Section: RBW0250	Cross Section: RBW0250

Comment:

Pipe Link: RBW0270		Upstream	Downstream
Scenario:	Existing	Invert: 0.51 ft	Invert: 0.39 ft
From Node:	NBW0270	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NBW0250	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	61.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Weir Link: RBW0270OW			
Scenario:	Existing	Bottom Clip	
From Node:	NBW0270	Default:	0.00 ft
To Node:	NBW0250	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.00 ft	Discharge Coefficients	
Control Elevation:	5.00 ft	Weir Default:	2.600
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	20.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Pipe Link: RBW0290		Upstream	Downstream
Scenario:	Existing	Invert: 1.05 ft	Invert: 0.51 ft
From Node:	NBW0290	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NBW0270	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	218.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft

Bend Location: 0.00 dec
Energy Switch: Energy

Op Table:
Ref Node:
Manning's N: 0.0000

Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RBW0290OW

Upstream

Downstream

Scenario: Existing
From Node: NBW0290
To Node: NBW0270
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 220.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 5.50 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: CURB_30FT_FULL

Invert: 5.20 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: CURB_30FT_FULL

Comment:

Pipe Link: RBW0310

Upstream

Downstream

Scenario: Existing
From Node: NBW0310
To Node: NBW0290
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 311.00 ft
FHWA Code: 0
Entr Loss Coef: 0.20
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 1.67 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 2.00 ft
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Invert: 1.05 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 2.00 ft
Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RBW0310OW

Upstream

Downstream

Scenario: Existing
From Node: NBW0310

Invert: 7.50 ft
Manning's N: 0.0000

Invert: 5.30 ft
Manning's N: 0.0000

To Node:	NBW1230	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_20FT_FULL	Cross Section: CURB_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	1042.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: RBW0310OWA	Upstream	Downstream
Scenario: Existing	Invert: 7.40 ft	Invert: 6.00 ft
From Node: NBW0310	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0290	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CURB_20FT_FULL	Cross Section: CURB_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 290.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Channel Link: RBW0330	Upstream	Downstream
Scenario: Existing	Invert: 0.55 ft	Invert: 0.39 ft
From Node: NBW0330	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0250	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW0330	Cross Section: RBW0330
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 446.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		

Energy Switch: Energy

Comment:

Channel Link: RBW0350OW

	Upstream	Downstream
Scenario: Existing	Invert: 4.73 ft	Invert: 4.72 ft
From Node: NBW0350	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0230	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW0350OW	Cross Section: RBW0350OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW0370

	Upstream	Downstream
Scenario: Existing	Invert: 1.20 ft	Invert: 0.68 ft
From Node: NBW0370	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW0330	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 135.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBW0390

	Upstream	Downstream
Scenario: Existing	Invert: -0.86 ft	Invert: 1.20 ft
From Node: NBW0390	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW0370	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft

Flow Direction: Both

Damping: 0.0000 ft

Length: 141.00 ft

FHWA Code: 0

Entr Loss Coef: 0.20

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 dec

Energy Switch: Energy

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Comment:

Channel Link: RBW0390OW

Upstream

Downstream

Scenario: Existing

From Node: NBW0390

To Node: NBW0370

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Length: 33.00 ft

Contraction Coef: 0.00

Expansion Coef: 0.00

Entr Loss Coef: 0.00

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 dec

Energy Switch: Energy

Invert: 4.55 ft

Manning's N: 0.0000

Geometry: Irregular

Cross Section: RBW0390OW

Invert: 4.54 ft

Manning's N: 0.0000

Geometry: Irregular

Cross Section: RBW0390OW

Comment:

Pipe Link: RBW0410

Upstream

Downstream

Scenario: Existing

From Node: NBW0410

To Node: NBW0330

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Length: 30.00 ft

FHWA Code: 0

Entr Loss Coef: 0.50

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 dec

Energy Switch: Energy

Invert: 0.46 ft

Manning's N: 0.0200

Geometry: Rectangular

Max Depth: 6.00 ft

Max Width: 14.00 ft

Fillet: 0.00 ft

Invert: 0.45 ft

Manning's N: 0.0200

Geometry: Rectangular

Max Depth: 6.00 ft

Max Width: 14.00 ft

Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: RBW0430OW

Upstream

Downstream

Scenario: Existing
From Node: NBW0430
To Node: NBW0450
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 3.65 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RBW0430OW

Invert: 3.64 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RBW0430OW

Comment:

Channel Link: RBW0450

Upstream

Downstream

Scenario: Existing
From Node: NBW0450
To Node: NBW0410
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 400.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 0.55 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RBW0450

Invert: 0.46 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RBW0450

Comment:

Channel Link: RBW0470OW

Upstream

Downstream

Scenario: Existing
From Node: NBW0470
To Node: NBW0450
Link Count: 1

Invert: 3.68 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RBW0470OW

Invert: 3.67 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RBW0470OW

Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RBW0490

Scenario: Existing
 From Node: NBW0490
 To Node: NBW0450
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 30.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 0.46 ft
 Manning's N: 0.0200
 Geometry: Rectangular
 Max Depth: 6.00 ft
 Max Width: 14.00 ft
 Fillet: 0.00 ft

Downstream

Invert: 0.45 ft
 Manning's N: 0.0200
 Geometry: Rectangular
 Max Depth: 6.00 ft
 Max Width: 14.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: RBW0510OW

Scenario: Existing
 From Node: NBW0510
 To Node: NBW0490
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec

Upstream

Invert: 6.35 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RBW0510OW

Downstream

Invert: 6.34 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RBW0510OW

Energy Switch: Energy

Comment:

Channel Link: RBW0530	Upstream	Downstream
Scenario: Existing	Invert: 1.20 ft	Invert: 0.46 ft
From Node: NBW0530	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0490	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW0530	Cross Section: RBW0530
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 310.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW0550	Upstream	Downstream
Scenario: Existing	Invert: 3.57 ft	Invert: 1.39 ft
From Node: NBW0550	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW0530	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.42 ft	Max Depth: 2.42 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 942.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW0550AOW	Upstream	Downstream
Scenario: Existing	Invert: 5.72 ft	Invert: 5.71 ft
From Node: NBW0550	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0730	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW0550AOW	Cross Section: RBW0550AOW

Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Channel Link: RBW0550OW

Scenario: Existing
 From Node: NBW0550
 To Node: NBW0730
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Upstream

Invert: 5.18 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RBW0550OW

Downstream

Invert: 5.17 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RBW0550OW

Pipe Link: RBW0570

Scenario: Existing
 From Node: NBW0570
 To Node: NBW0550
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 262.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Upstream

Invert: 4.03 ft
 Manning's N: 0.0120
 Geometry: Horizontal Ellipse
 Max Depth: 2.42 ft

Downstream

Invert: 3.77 ft
 Manning's N: 0.0120
 Geometry: Horizontal Ellipse
 Max Depth: 2.42 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Channel Link: RBW0570OW		Upstream	Downstream
Scenario:	Existing	Invert: 5.68 ft	Invert: 5.67 ft
From Node:	NBW0570	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW0650	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RBW0570OW	Cross Section: RBW0570OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RBW0590		Upstream	Downstream
Scenario:	Existing	Invert: 5.33 ft	Invert: 4.44 ft
From Node:	NBW0590	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NBW0570	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	314.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW0590OW		Upstream	Downstream
Scenario:	Existing	Invert: 9.50 ft	Invert: 5.50 ft
From Node:	NBW0590	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW1230	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_20FT_FULL	Cross Section: CURB_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	1048.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: RBW0590OWA	Upstream	Downstream
Scenario: Existing	Invert: 9.40 ft	Invert: 8.60 ft
From Node: NBW0590	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0570	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CURB_20FT_FULL	Cross Section: CURB_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 303.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RBW0610	Upstream	Downstream
Scenario: Existing	Invert: 2.09 ft	Invert: 1.20 ft
From Node: NBW0610	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0530	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW0610	Cross Section: RBW0610
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 190.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RBW0630OW	Upstream	Downstream
Scenario: Existing	Invert: 5.08 ft	Invert: 5.07 ft

From Node:	NBW0630	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW0530	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RBW0630OW	Cross Section:	RBW0630OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RBW0650		Upstream	Downstream
Scenario:	Existing	Invert: 1.25 ft	Invert: 1.24 ft
From Node:	NBW0650	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	NBW0610	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction:	Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping:	0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	95.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.50	Op Table:	Op Table:
Exit Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip	
Energy Switch:	Energy	Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RBW0670OW		Upstream	Downstream
Scenario:	Existing	Invert: 4.48 ft	Invert: 4.47 ft
From Node:	NBW0670	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW0650	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RBW0670OW	Cross Section: RBW0670OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Channel Link: RBW0690	Upstream	Downstream
Scenario: Existing	Invert: 1.31 ft	Invert: 1.25 ft
From Node: NBW0690	Manning's N: 0.0350	Manning's N: 0.0350
To Node: NBW0650	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal
Damping: 0.0000 ft	Bottom Width: 0.00 ft	Bottom Width: 0.00 ft
Length: 373.00 ft	Left Slope: 3.000 (h:v)	Left Slope: 3.000 (h:v)
Contraction Coef: 0.00	Right Slope: 3.000 (h:v)	Right Slope: 3.000 (h:v)
Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW0710OW	Upstream	Downstream
Scenario: Existing	Invert: 4.96 ft	Invert: 4.95 ft
From Node: NBW0710	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0690	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW0710OW	Cross Section: RBW0710OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW0730		Upstream	Downstream
Scenario:	Existing	Invert: 1.32 ft	Invert: 1.31 ft
From Node:	NBW0730	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	NBW0690	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction:	Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping:	0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	95.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.00	Op Table:	Op Table:
Exit Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip	
Energy Switch:	Energy	Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW0730OW		Upstream	Downstream
Scenario:	Existing	Invert: 3.74 ft	Invert: 3.73 ft
From Node:	NBW0730	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW0690	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RBW0730OW	Cross Section: RBW0730OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RBW0750		Upstream	Downstream
Scenario:	Existing	Invert: 1.43 ft	Invert: 1.32 ft
From Node:	NBW0750	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	NBW0730	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Max Width: 5.00 ft	Max Width: 5.00 ft
Damping:	0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	670.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft

Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft

Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RBW0750AOW**Upstream****Downstream**

Scenario:	Existing	Invert:	4.97 ft	Invert:	4.96 ft
From Node:	NBW0810	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW0750	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RBW0750AOW	Cross Section:	RBW0750AOW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: RBW0750OW**Upstream****Downstream**

Scenario:	Existing	Invert:	6.10 ft	Invert:	6.09 ft
From Node:	NBW0750	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW0550	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RBW0750OW	Cross Section:	RBW0750OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RBW0770		Upstream	Downstream
Scenario:	Existing	Invert: 2.59 ft	Invert: 1.93 ft
From Node:	NBW0770	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NBW0750	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	78.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RBW0770OW		Upstream	Downstream
Scenario:	Existing	Invert: 5.45 ft	Invert: 5.44 ft
From Node:	NBW0770	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW0750	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RBW0770OW	Cross Section: RBW0770OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RBW0790		Upstream	Downstream
Scenario:	Existing	Invert: 5.03 ft	Invert: 2.87 ft
From Node:	NBW0790	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NBW0770	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	277.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RBW0790OW	Upstream	Downstream
Scenario: Existing	Invert: 7.51 ft	Invert: 7.50 ft
From Node: NBW0790	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0770	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW0790OW	Cross Section: RBW0790OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW0810	Upstream	Downstream
Scenario: Existing	Invert: 1.63 ft	Invert: 1.33 ft
From Node: NBW0810	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW0750	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Max Width: 5.00 ft	Max Width: 5.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 244.00 ft		
FHWA Code: 0		
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy		
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBW0830		Upstream	Downstream
Scenario:	Existing	Invert: 3.39 ft	Invert: 1.91 ft
From Node:	NBW0830	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NBW0810	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	392.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RBW0830OW		Upstream	Downstream
Scenario:	Existing	Invert: 7.45 ft	Invert: 7.44 ft
From Node:	NBW0830	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW0810	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RBW0830OW	Cross Section: RBW0830OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RBW0850		Upstream	Downstream
Scenario:	Existing	Invert: 4.23 ft	Invert: 3.34 ft
From Node:	NBW0850	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NBW0830	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	208.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RBW0850OW	Upstream	Downstream
Scenario: Existing	Invert: 9.54 ft	Invert: 9.53 ft
From Node: NBW0850	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0830	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW0850OW	Cross Section: RBW0850OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW0870	Upstream	Downstream
Scenario: Existing	Invert: 1.89 ft	Invert: 1.63 ft
From Node: NBW0870	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW0810	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Max Width: 5.00 ft	Max Width: 5.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 484.00 ft		
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.20	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec		
Energy Switch: Energy		
	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW0870OW		Upstream	Downstream
Scenario:	Existing	Invert: 6.33 ft	Invert: 6.32 ft
From Node:	NBW0870	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW0910	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RBW0870OW	Cross Section: RBW0870OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RBW0890		Upstream	Downstream
Scenario:	Existing	Invert: 1.50 ft	Invert: 1.43 ft
From Node:	NBW0890	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NBW0750	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	2	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	40.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBW0910		Upstream	Downstream
Scenario:	Existing	Invert: 1.78 ft	Invert: 1.50 ft
From Node:	NBW0910	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NBW0890	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	2	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	150.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW0910OW		Upstream	Downstream
Scenario: Existing		Invert: 5.28 ft	Invert: 5.27 ft
From Node: NBW0910		Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0750		Geometry: Irregular	Geometry: Irregular
Link Count: 1		Cross Section: RBW0910OW	Cross Section: RBW0910OW
Flow Direction: Both			
Damping: 0.0000 ft			
Length: 33.00 ft			
Contraction Coef: 0.00			
Expansion Coef: 0.00			
Entr Loss Coef: 0.00			
Exit Loss Coef: 0.00			
Bend Loss Coef: 0.00			
Bend Location: 0.00 dec			
Energy Switch: Energy			

Comment:

Pipe Link: RBW0930		Upstream	Downstream
Scenario: Existing		Invert: 2.09 ft	Invert: 1.78 ft
From Node: NBW0930		Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW0910		Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 2		Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both		Bottom Clip	
Damping: 0.0000 ft		Default: 0.00 ft	Default: 0.00 ft
Length: 177.00 ft		Op Table:	Op Table:
FHWA Code: 0		Ref Node:	Ref Node:
Entr Loss Coef: 0.00		Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00		Top Clip	
Bend Loss Coef: 0.00		Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec		Op Table:	Op Table:
Energy Switch: Energy		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBW0950		Upstream	Downstream
Scenario: Existing		Invert: 2.32 ft	Invert: 2.09 ft

From Node:	NBW0950	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NBW0930	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	2.41 ft	Max Depth:	2.41 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	171.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RBW0950OW		Upstream		Downstream	
Scenario:	Existing	Invert:	6.93 ft	Invert:	6.92 ft
From Node:	NBW0970	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW0950	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	RBW0950OW	Cross Section:	RBW0950OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RBW0970		Upstream		Downstream	
Scenario:	Existing	Invert:	2.68 ft	Invert:	2.68 ft
From Node:	NBW0970	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	NBW0950	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	2.41 ft	Max Depth:	2.41 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	60.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: RBW0990

Upstream

Downstream

Scenario: Existing
 From Node: NBW0990
 To Node: NBW0970
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 25.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 2.81 ft
 Manning's N: 0.0140

Invert: 2.68 ft
 Manning's N: 0.0140

Geometry: Circular

Geometry: Circular

Max Depth: 2.50 ft

Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: RBW1010

Upstream

Downstream

Scenario: Existing
 From Node: NBW1010
 To Node: NBW0990
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 256.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 3.36 ft
 Manning's N: 0.0120

Invert: 2.81 ft
 Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 2.50 ft

Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: RBW1010OW

Upstream

Downstream

Scenario: Existing
 From Node: NBW1010
 To Node: NBW0970

Invert: 7.90 ft
 Manning's N: 0.0000

Invert: 7.89 ft
 Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Link Count:	1	Cross Section:	RBW1010OW	Cross Section:	RBW1010OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RBW1030	Upstream	Downstream
Scenario: Existing	Invert: 4.22 ft	Invert: 3.45 ft
From Node: NBW1030	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW1010	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 302.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1030OW	Upstream	Downstream
Scenario: Existing	Invert: 11.30 ft	Invert: 11.29 ft
From Node: NBW1030	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL0830	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW1030OW	Cross Section: RBW1030OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW1050	Upstream	Downstream
Scenario: Existing	Invert: 4.67 ft	Invert: 4.22 ft
From Node: NBW1050	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW1030	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 240.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBW1070	Upstream	Downstream
Scenario: Existing	Invert: 4.90 ft	Invert: 4.70 ft
From Node: NBW1070	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW1050	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Max Width: 3.16 ft	Max Width: 3.16 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 105.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.20	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1070AOW	Upstream	Downstream
Scenario: Existing	Invert: 8.85 ft	Invert: 8.84 ft
From Node: NBW1070	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1030	Geometry: Irregular	Geometry: Irregular

Link Count:	1	Cross Section:	RBW1070AOW	Cross Section:	RBW1070AOW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: RBW1070OW	Upstream	Downstream
Scenario: Existing	Invert: 8.78 ft	Invert: 8.77 ft
From Node: NBW1070	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0870	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW1070OW	Cross Section: RBW1070OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW1090A	Upstream	Downstream
Scenario: Existing	Invert: -2.00 ft	Invert: -2.10 ft
From Node: NBW1090	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW0030	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 56.00 ft		
FHWA Code: 0		
Entr Loss Coef: 0.20		
Exit Loss Coef: 0.20		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Top Clip
Default: 0.00 ft
Op Table:

Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Comment:	

Pipe Link: RBW1090B	Upstream	Downstream
Scenario: Existing	Invert: -2.00 ft	Invert: -2.10 ft
From Node: NBW1090	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW0030	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 56.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.20	Op Table:	Op Table:
Exit Loss Coef: 0.20	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBW1130	Upstream	Downstream
Scenario: Existing	Invert: -0.56 ft	Invert: -1.50 ft
From Node: NBW1130	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW1090	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 150.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1130OW	Upstream	Downstream
Scenario: Existing	Invert: 5.90 ft	Invert: 4.00 ft

From Node:	NBW1130	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW0230	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	LOCAL_30FT_HALF	Cross Section:	LOCAL_30FT_HALF
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	130.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Weir Link: RBW1130OWA

Scenario:	Existing	Bottom Clip	
From Node:	NBW1130	Default:	0.00 ft
To Node:	NBW0030	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.00 ft	Discharge Coefficients	
Control Elevation:	5.00 ft	Weir Default:	2.600
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	200.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: RBW1150

	Upstream	Downstream			
Scenario:	Existing	Invert:	0.18 ft	Invert:	-0.14 ft
From Node:	NBW1150	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	NBW1130	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	1.58 ft	Max Depth:	1.58 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	129.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Weir Link: RBW1150OWA

Scenario: Existing
From Node: NBW1150
To Node: NSR0180
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.10 ft
Control Elevation: 5.10 ft
Max Depth: 9999.00 ft
Max Width: 23.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Channel Link: RBW1150OWB

Upstream

Downstream

Scenario: Existing
From Node: NBW1150
To Node: NBW1130
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 266.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 4.10 ft
Manning's N: 0.0000

Invert: 4.00 ft
Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: LOCAL_20FT_FULL

Cross Section: LOCAL_20FT_FULL

Comment:

Channel Link: RBW1169

Upstream

Downstream

Scenario: Existing
From Node: NBW1169
To Node: NBW1090
Link Count: 1
Flow Direction: Both

Invert: -0.74 ft
Manning's N: 0.0000

Invert: -2.00 ft
Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: RBW1169

Cross Section: RBW1169

Damping: 0.0000 ft
 Length: 800.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Channel Link: RBW1170B

Scenario: Existing
 From Node: NBW1170
 To Node: NBW1169
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 374.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: -0.80 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RBW1169

Downstream

Invert: -0.74 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RBW1169

Comment:

Pipe Link: RBW1190

Scenario: Existing
 From Node: NBW1190
 To Node: NBW1170
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 125.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 1.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 0.50 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 1.25 ft

Downstream

Invert: 0.25 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 1.25 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Weir Link: RBW1190OW

Scenario: Existing
 From Node: NBW1190
 To Node: NBW1170
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 7.00 ft
 Control Elevation: 7.00 ft
 Max Depth: 9999.00 ft
 Max Width: 10.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RBW1210

Scenario: Existing
 From Node: NBW1210
 To Node: NBW1170
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 150.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 1.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 0.01 ft
 Manning's N: 0.0130

Geometry: Circular

Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Manning's N: 0.0000

Downstream

Invert: -0.35 ft
 Manning's N: 0.0130

Geometry: Circular

Max Depth: 2.50 ft

Default: 0.00 ft
 Op Table:
 Ref Node:

Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:

Manning's N: 0.0000

Comment:

Weir Link: RBW1210OW

Scenario: Existing
 From Node: NBW1210
 To Node: NBW1170
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 7.50 ft
 Control Elevation: 7.50 ft
 Max Depth: 9999.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.600
 Weir Table:

Max Width: 10.00 ft
Fillet: 0.00 ft

Orifice Default: 0.600
Orifice Table:

Comment:

Channel Link: RBW1210OWA		
	Upstream	Downstream
Scenario: Existing	Invert: 7.00 ft	Invert: 3.90 ft
From Node: NBW1210	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1150	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 604.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW1230		
	Upstream	Downstream
Scenario: Existing	Invert: 0.59 ft	Invert: 0.01 ft
From Node: NBW1230	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW1210	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 265.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1230OW		
	Upstream	Downstream
Scenario: Existing	Invert: 6.00 ft	Invert: 5.00 ft
From Node: NBW1230	Manning's N: 0.0000	Manning's N: 0.0000

To Node:	NBW1210	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	396.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RBW1250A	Upstream	Downstream
Scenario: Existing	Invert: -0.75 ft	Invert: -0.80 ft
From Node: NBW1250	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW1170	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 50.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.20	Op Table:	Op Table:
Exit Loss Coef: 0.20	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RBW1250B	Upstream	Downstream
Scenario: Existing	Invert: -0.75 ft	Invert: -0.80 ft
From Node: NBW1250	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW1170	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 50.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.20	Op Table:	Op Table:
Exit Loss Coef: 0.20	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000

Bend Location: 0.00 dec
Energy Switch: Energy

Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RBW1250OW

Scenario: Existing
From Node: NBW1250
To Node: NBW1170
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 7.40 ft
Control Elevation: 7.40 ft
Max Depth: 9999.00 ft
Max Width: 20.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RBW1250OWB

Scenario: Existing
From Node: NBW1250
To Node: NBW1190
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 6.70 ft
Control Elevation: 6.70 ft
Max Depth: 9999.00 ft
Max Width: 10.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RBW1250OWC

Scenario: Existing
From Node: NBW1250

Bottom Clip
Default: 0.00 ft

To Node: NBW1210
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 6.70 ft
 Control Elevation: 6.70 ft
 Max Depth: 9999.00 ft
 Max Width: 10.00 ft
 Fillet: 0.00 ft

Op Table:
 Ref Node:
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RBW1270

Scenario: Existing
 From Node: NBW1270
 To Node: NBW1310
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 172.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 1.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 1.20 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 1.25 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 0.50 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 1.25 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: RBW1270OW

Scenario: Existing
 From Node: NBW1270
 To Node: NBW1190
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 300.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec

Upstream

Invert: 5.50 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: CURB_25FT_FULL

Downstream

Invert: 5.00 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: CURB_25FT_FULL

Energy Switch: Energy

Comment:

Weir Link: RBW1270OWA

Scenario: Existing
From Node: NBW1270
To Node: NBW1310
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 8.40 ft
Control Elevation: 8.40 ft
Max Depth: 9999.00 ft
Max Width: 10.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Channel Link: RBW1270OWB

Scenario: Existing
From Node: NBW1270
To Node: NSR0580
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 663.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 6.40 ft
Manning's N: 0.0000

Geometry: Irregular

Cross Section: CURB_25FT_FULL

Downstream

Invert: 5.50 ft
Manning's N: 0.0000

Geometry: Irregular

Cross Section: CURB_25FT_FULL

Comment:

Channel Link: RBW1310B

Scenario: Existing
From Node: NBW1310
To Node: NBW1250
Link Count: 1
Flow Direction: Both

Upstream

Invert: 0.26 ft
Manning's N: 0.0000

Geometry: Irregular

Cross Section: RBW1310B

Downstream

Invert: -0.75 ft
Manning's N: 0.0000

Geometry: Irregular

Cross Section: RBW1310B

Damping: 0.0000 ft
 Length: 676.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RBW1330A	Upstream	Downstream
Scenario: Existing	Invert: 0.52 ft	Invert: 0.26 ft
From Node: NBW1330	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW1310	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 7.00 ft	Max Width: 7.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 27.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 1.00	Op Table:	Op Table:
Exit Loss Coef: 1.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBW1350A	Upstream	Downstream
Scenario: Existing	Invert: 6.04 ft	Invert: 5.25 ft
From Node: NBW1350	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW1330	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 27.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 1.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBW1350B

Scenario: Existing
From Node: NBW1350
To Node: NBW1330
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 62.00 ft
FHWA Code: 0
Entr Loss Coef: 1.00
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 7.00 ft
Manning's N: 0.0130

Geometry: Circular

Max Depth: 1.50 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Downstream

Invert: 1.50 ft

Manning's N: 0.0130

Geometry: Circular

Max Depth: 1.50 ft

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Comment:

Channel Link: RBW1350OW

Scenario: Existing
From Node: NBW1350
To Node: NBW1370
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 326.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 11.50 ft
Manning's N: 0.0000

Geometry: Irregular

Cross Section: LOCAL_20FT_HALF

Downstream

Invert: 10.50 ft

Manning's N: 0.0000

Geometry: Irregular

Cross Section: LOCAL_20FT_HALF

Comment:

Weir Link: RBW1350OWB

Scenario: Existing
From Node: NBW1350
To Node: NBW1310
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 11.60 ft
Control Elevation: 11.60 ft
Max Depth: 9999.00 ft
Max Width: 150.00 ft
Fillet: 0.00 ft

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Channel Link: RBW1351OWA**Upstream****Downstream**

Scenario: Existing
From Node: NBW1351
To Node: NBW1350
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 326.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 10.80 ft

Invert: 11.70 ft

Manning's N: 0.0000

Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: LOCAL_20FT_HALF

Cross Section: LOCAL_20FT_HALF

Comment:

Channel Link: RBW1351OWB**Upstream****Downstream**

Scenario: Existing
From Node: NBW1351
To Node: NBW1270
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 426.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 10.60 ft

Invert: 6.10 ft

Manning's N: 0.0000

Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: CURB_25FT_HALF

Cross Section: CURB_25FT_HALF

Comment:

Channel Link: RBW1351OWC		Upstream	Downstream
Scenario:	Existing	Invert: 10.40 ft	Invert: 6.80 ft
From Node:	NBW1351	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0780	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_25FT_HALF	Cross Section: CURB_25FT_HALF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	598.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: RBW1351OWD		Upstream	Downstream
Scenario:	Existing	Invert: 11.20 ft	Invert: 9.90 ft
From Node:	NBW1351	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0790	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	543.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: RBW1352OWA		Upstream	Downstream
Scenario:	Existing	Invert: 14.40 ft	Invert: 10.80 ft
From Node:	NBW1352	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW1351	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	652.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Channel Link: RBW1353OWA	Upstream	Downstream
Scenario: Existing	Invert: 15.70 ft	Invert: 14.40 ft
From Node: NBW1353	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1352	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 660.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW1370	Upstream	Downstream
Scenario: Existing	Invert: 3.80 ft	Invert: 0.52 ft
From Node: NBW1370	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW1330	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 325.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.50	Op Table:	Op Table:
Exit Loss Coef: 0.50	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1370OW		Upstream	Downstream
Scenario:	Existing	Invert: 10.70 ft	Invert: 5.00 ft
From Node:	NBW1370	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW1210	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_20FT_FULL	Cross Section: CURB_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	768.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Weir Link: RBW1370OWA		Bottom Clip
Scenario:	Existing	Default: 0.00 ft
From Node:	NBW1370	Op Table:
To Node:	NBW1310	Ref Node:
Link Count:	1	
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	10.90 ft	Discharge Coefficients
Control Elevation:	10.90 ft	Weir Default: 2.600
Max Depth:	9999.00 ft	Weir Table:
Max Width:	120.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Channel Link: RBW1370OWB		Upstream	Downstream
Scenario:	Existing	Invert: 10.90 ft	Invert: 7.80 ft
From Node:	NBW1370	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW1230	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_20FT_FULL	Cross Section: CURB_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	325.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		

Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Pipe Link: RBW1390

Scenario: Existing
From Node: NBW1390
To Node: NBW1370
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 1324.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 7.87 ft
Manning's N: 0.0130

Geometry: Rectangular

Max Depth: 4.00 ft
Max Width: 6.00 ft
Fillet: 0.00 ft

Downstream

Invert: 3.80 ft
Manning's N: 0.0130

Geometry: Rectangular

Max Depth: 4.00 ft
Max Width: 6.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RBW1390OW

Scenario: Existing
From Node: NBW1390
To Node: NBW1370
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 983.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 15.70 ft
Manning's N: 0.0000

Geometry: Irregular

Cross Section: LOCAL_20FT_FULL

Downstream

Invert: 10.70 ft
Manning's N: 0.0000

Geometry: Irregular

Cross Section: LOCAL_20FT_FULL

Comment:

Channel Link: RBW1390OWA**Upstream****Downstream**

Scenario:	Existing	Invert:	15.00 ft	Invert:	13.80 ft
From Node:	NBW1390	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW0590	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	CURB_20FT_FULL	Cross Section:	CURB_20FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	390.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: RBW1390OWB		Upstream		Downstream	
Scenario:	Existing	Invert:	14.80 ft	Invert:	10.00 ft
From Node:	NBW1390	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW1230	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	CURB_20FT_HALF	Cross Section:	CURB_20FT_HALF
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	995.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: RBW1390QWC		Upstream		Downstream	
Scenario:	Existing	Invert:	15.40 ft	Invert:	11.80 ft
From Node:	NBW1390	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW1350	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	LOCAL_20FT_FULL	Cross Section:	LOCAL_20FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1285.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				

Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: RBW1390OWD

Scenario: Existing
From Node: NBW1390
To Node: NBW0590
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 224.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 15.00 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: CURB_20FT_FULL

Downstream

Invert: 14.30 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: CURB_20FT_FULL

Comment:

Pipe Link: RBW1410

Scenario: Existing
From Node: NBW1410
To Node: NBW1390
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 350.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 8.55 ft
Manning's N: 0.0130
Geometry: Rectangular
Max Depth: 5.00 ft
Max Width: 6.00 ft
Fillet: 0.00 ft

Downstream

Invert: 7.87 ft
Manning's N: 0.0130
Geometry: Rectangular
Max Depth: 5.00 ft
Max Width: 6.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RBW1410OW**Upstream****Downstream**

Scenario:	Existing	Invert:	15.20 ft	Invert:	14.30 ft
From Node:	NBW1410	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW1390	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	LOCAL_20FT_FULL	Cross Section:	LOCAL_20FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	274.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RBW1430		Upstream	Downstream
Scenario:	Existing	Invert: 8.84 ft	Invert: 8.55 ft
From Node:	NBW1430	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NBW1410	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping:	0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	412.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.50	Op Table:	Op Table:
Exit Loss Coef:	0.50	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip	
Energy Switch:	Energy	Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RBW1430OW		Upstream	Downstream
Scenario:	Existing	Invert: 15.20 ft	Invert: 14.30 ft
From Node:	NBW1430	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW1390	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_20FT_FULL	Cross Section: CURB_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	274.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		

Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Channel Link: RBW1430OWA		Upstream	Downstream
Scenario:	Existing	Invert: 15.90 ft	Invert: 16.10 ft
From Node:	NBW1430	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW2350	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	175.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RBW1450		Upstream	Downstream
Scenario:	Existing	Invert: 9.10 ft	Invert: 8.97 ft
From Node:	NBW1450	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NBW1460	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping:	0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	395.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.50	Op Table:	Op Table:
Exit Loss Coef:	0.50	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip	
Energy Switch:	Energy	Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1450OW		Upstream	Downstream
Scenario:	Existing	Invert: 16.30 ft	Invert: 14.30 ft
From Node:	NBW1450	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW0590	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_20FT_FULL	Cross Section: CURB_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	665.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: RBW1450OWB		Upstream	Downstream
Scenario:	Existing	Invert: 16.60 ft	Invert: 16.50 ft
From Node:	NBW1450	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW0590	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	117.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: RBW1460OWA		Upstream	Downstream
Scenario:	Existing	Invert: 17.00 ft	Invert: 15.30 ft
From Node:	NBW1460	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW1430	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	300.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: RBW1460OWB	Upstream	Downstream
Scenario: Existing	Invert: 17.00 ft	Invert: 9.60 ft
From Node: NBW1460	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0590	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CURB_20FT_FULL	Cross Section: CURB_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 1660.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW1470	Upstream	Downstream
Scenario: Existing	Invert: 9.22 ft	Invert: 9.10 ft
From Node: NBW1470	Manning's N: 0.0170	Manning's N: 0.0170
To Node: NBW1450	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 425.00 ft		
FHWA Code: 0	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy		
	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1470OWA		Upstream	Downstream
Scenario:	Existing	Invert: 16.30 ft	Invert: 15.50 ft
From Node:	NBW1470	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW1450	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	554.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: RBW1470OWB		Upstream	Downstream
Scenario:	Existing	Invert: 16.90 ft	Invert: 15.40 ft
From Node:	NBW1470	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW0590	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_25FT_HALF	Cross Section: CURB_25FT_HALF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	778.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: RBW1470OWC		Upstream	Downstream
Scenario:	Existing	Invert: 16.80 ft	Invert: 15.40 ft
From Node:	NBW1470	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW0750	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_25FT_HALF	Cross Section: CURB_25FT_HALF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	495.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RBW1480	Upstream	Downstream
Scenario: Existing	Invert: 10.52 ft	Invert: 8.97 ft
From Node: NBW1480	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW1460	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 776.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RBW1480OW	Bottom Clip	
Scenario: Existing	Default: 0.00 ft	
From Node: NBW1480	Op Table:	
To Node: NBW1460	Ref Node:	
Link Count: 1	Top Clip	
Flow Direction: Both	Default: 0.00 ft	
Damping: 0.0000 ft	Op Table:	
Weir Type: Broad Crested Vertical	Ref Node:	
Geometry Type: Rectangular	Discharge Coefficients	
Invert: 18.10 ft	Weir Default: 2.600	
Control Elevation: 18.10 ft	Weir Table:	
Max Depth: 9999.00 ft	Orifice Default: 0.600	
Max Width: 190.00 ft	Orifice Table:	
Fillet: 0.00 ft		

Comment:

Pipe Link: RBW1490	Upstream	Downstream
Scenario: Existing	Invert: 9.97 ft	Invert: 9.42 ft
From Node: NBW1490	Manning's N: 0.0160	Manning's N: 0.0160

To Node: NBW1470	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 700.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RBW1490OW	Upstream	Downstream
Scenario: Existing	Invert: 17.34 ft	Invert: 17.33 ft
From Node: NBW1490	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1590	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW1490OW	Cross Section: RBW1490OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Channel Link: RBW1490OWA	Upstream	Downstream
Scenario: Existing	Invert: 17.60 ft	Invert: 16.80 ft
From Node: NBW1490	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1470	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 590.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		

Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: RBW1490OWB

Scenario: Existing
From Node: NBW1490
To Node: NBW1470
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 728.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 17.80 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: CURB_25FT_FULL

Downstream

Invert: 17.60 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: CURB_25FT_FULL

Comment:

Channel Link: RBW1490OWC

Scenario: Existing
From Node: NBW1490
To Node: NBW1480
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 375.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 18.30 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: CURB_25FT_FULL

Downstream

Invert: 17.40 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: CURB_25FT_FULL

Comment:

Pipe Link: RBW1510

Scenario: Existing
From Node: NBW1510

Upstream

Invert: 10.36 ft
Manning's N: 0.0160

Downstream

Invert: 9.97 ft
Manning's N: 0.0160

To Node: NBW1490	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 650.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RBW1510A	Upstream	Downstream
Scenario: Existing	Invert: 12.02 ft	Invert: 11.99 ft
From Node: NBW1510	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW2590	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 3.17 ft	Max Depth: 3.17 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 32.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RBW1510OW	Upstream	Downstream
Scenario: Existing	Invert: 17.50 ft	Invert: 17.50 ft
From Node: NBW1510	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1590	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW1510OW	Cross Section: RBW1510OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		

Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RBW1530	Upstream	Downstream
Scenario: Existing	Invert: 13.60 ft	Invert: 13.20 ft
From Node: NBW1530	Manning's N: 0.0150	Manning's N: 0.0150
To Node: NBW1510	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 255.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBW1530A	Upstream	Downstream
Scenario: Existing	Invert: 13.60 ft	Invert: 13.50 ft
From Node: NBW1530	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW2530	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 10.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBW1550	Upstream	Downstream
Scenario: Existing	Invert: 14.23 ft	Invert: 13.50 ft
From Node: NBW1550	Manning's N: 0.0140	Manning's N: 0.0140

To Node: NBW1530	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 330.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RBW1550OWA	Upstream	Downstream
Scenario: Existing	Invert: 17.20 ft	Invert: 17.10 ft
From Node: NBW1550	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW2490	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: DALE_MABRY_FUL	Cross Section: DALE_MABRY_FUL
Flow Direction: Both	L	L
Damping: 0.0000 ft		
Length: 321.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Pipe Link: RBW1570	Upstream	Downstream
Scenario: Existing	Invert: 10.46 ft	Invert: 10.36 ft
From Node: NBW1570	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW1510	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 52.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 1.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft

Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Comment:	

Pipe Link: RBW1590	Upstream	Downstream
Scenario: Existing	Invert: 12.10 ft	Invert: 12.07 ft
From Node: NBW1590	Manning's N: 0.0160	Manning's N: 0.0160
To Node: NBW1570	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 50.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RBW1610	Upstream	Downstream
Scenario: Existing	Invert: 12.55 ft	Invert: 12.09 ft
From Node: NBW1610	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW1590	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 434.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RBW1610OW	Upstream	Downstream
Scenario: Existing	Invert: 17.34 ft	Invert: 17.33 ft
From Node: NBW1610	Manning's N: 0.0000	Manning's N: 0.0000

To Node:	NBW1590	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RBW1610OW	Cross Section:	RBW1610OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RBW1630	Upstream	Downstream
Scenario: Existing	Invert: 13.61 ft	Invert: 12.55 ft
From Node: NBW1630	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW1610	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 207.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RBW1630OW	Upstream	Downstream
Scenario: Existing	Invert: 17.72 ft	Invert: 17.71 ft
From Node: NBW1630	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1490	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW1630OW	Cross Section: RBW1630OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		

Energy Switch: Energy

Comment:

Pipe Link: RBW1650	Upstream	Downstream
Scenario: Existing	Invert: 14.23 ft	Invert: 13.61 ft
From Node: NBW1650	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW1630	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 576.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1650OW	Upstream	Downstream
Scenario: Existing	Invert: 18.20 ft	Invert: 18.19 ft
From Node: NBW1650	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1770	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW1650OW	Cross Section: RBW1650OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW1670	Upstream	Downstream
Scenario: Existing	Invert: 14.55 ft	Invert: 14.23 ft
From Node: NBW1670	Manning's N: 0.0170	Manning's N: 0.0170
To Node: NBW1650	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft

Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	85.00 ft	Op Table:	
FHWA Code:	0	Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000
Comment:			

Channel Link:	RBW1670OW	Upstream	Downstream
Scenario:	Existing	Invert:	18.14 ft
From Node:	NBW1670	Manning's N:	0.0000
To Node:	NBW1770	Geometry:	Irregular
Link Count:	1	Cross Section:	RBW1670OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link:	RBW1690	Upstream	Downstream
Scenario:	Existing	Invert:	15.09 ft
From Node:	NBW1690	Manning's N:	0.0140
To Node:	NBW1670	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	322.00 ft	Op Table:	
FHWA Code:	0	Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000
Comment:			

Channel Link: RBW1690OW		Upstream	Downstream
Scenario:	Existing	Invert: 18.82 ft	Invert: 18.81 ft
From Node:	NBW1690	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW1670	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RBW1690OW	Cross Section: RBW1690OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RBW1710		Upstream	Downstream
Scenario:	Existing	Invert: 15.36 ft	Invert: 15.19 ft
From Node:	NBW1710	Manning's N: 0.0140	Manning's N: 0.0140
To Node:	NBW1690	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	563.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: RBW1730		Upstream	Downstream
Scenario:	Existing	Invert: 11.05 ft	Invert: 10.46 ft
From Node:	NBW1730	Manning's N: 0.0160	Manning's N: 0.0160
To Node:	NBW1570	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping:	0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	650.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.00	Op Table:	Op Table:
Exit Loss Coef:	0.00	Ref Node:	Ref Node:

Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1730OW	Upstream	Downstream
Scenario: Existing	Invert: 17.29 ft	Invert: 17.28 ft
From Node: NBW1730	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3750	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW1730OW	Cross Section: RBW1730OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Weir Link: RBW1730OWA	Bottom Clip
Scenario: Existing	Default: 0.00 ft
From Node: NBW1730	Op Table:
To Node: NBW2610	Ref Node:
Link Count: 1	Top Clip
Flow Direction: Both	Default: 0.00 ft
Damping: 0.0000 ft	Op Table:
Weir Type: Broad Crested Vertical	Ref Node:
Geometry Type: Rectangular	Discharge Coefficients
Invert: 19.00 ft	Weir Default: 2.600
Control Elevation: 19.00 ft	Weir Table:
Max Depth: 9999.00 ft	Orifice Default: 0.600
Max Width: 220.00 ft	Orifice Table:
Fillet: 0.00 ft	

Comment:

Pipe Link: RBW1750	Upstream	Downstream

Scenario:	Existing	Invert:	11.87 ft	Invert:	10.94 ft
From Node:	NBW1750	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	NBW1730	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	1050.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: RBW1750OW		Upstream		Downstream	
Scenario:	Existing	Invert:	17.55 ft	Invert:	17.54 ft
From Node:	NBW1750	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL3750	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	RBW1750OW	Cross Section:	RBW1750OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RBW1770		Upstream		Downstream	
Scenario:	Existing	Invert:	12.36 ft	Invert:	11.89 ft
From Node:	NBW1770	Manning's N:	0.0150	Manning's N:	0.0150
To Node:	NBW1750	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft

Bend Location: 0.00 dec
Energy Switch: Energy

Op Table:
Ref Node:
Manning's N: 0.0000

Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RBW1770OW

Upstream

Downstream

Scenario: Existing
From Node: NBW1770
To Node: NBW1750
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 17.98 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RBW1770OW

Invert: 17.97 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RBW1770OW

Comment:

Pipe Link: RBW1790

Upstream

Downstream

Scenario: Existing
From Node: NBW1790
To Node: NBW1770
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 1200.00 ft
FHWA Code: 0
Entr Loss Coef: 0.20
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 14.79 ft
Manning's N: 0.0150
Geometry: Circular
Max Depth: 2.50 ft
Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Invert: 12.50 ft
Manning's N: 0.0150
Geometry: Circular
Max Depth: 2.50 ft
Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RBW1790OW

Upstream

Downstream

Scenario: Existing
From Node: NBW1790

Invert: 18.33 ft
Manning's N: 0.0000

Invert: 18.32 ft
Manning's N: 0.0000

To Node:	NBW1770	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RBW1790OW	Cross Section: RBW1790OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RBW1820A	Upstream	Downstream
Scenario: Existing	Invert: 13.90 ft	Invert: 13.10 ft
From Node: NBW1820	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW1870	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 400.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RBW1820B	Upstream	Downstream
Scenario: Existing	Invert: 13.90 ft	Invert: 13.90 ft
From Node: NBW1820	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW1840	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 328.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Weir Link: RBW1820OW

Scenario: Existing
From Node: NBW1820
To Node: NBW1840
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 18.10 ft
Control Elevation: 18.10 ft
Max Depth: 9999.00 ft
Max Width: 20.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Channel Link: RBW1820OWA

Upstream

Downstream

Scenario: Existing
From Node: NBW1820
To Node: NBW1870
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 380.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 17.80 ft
Manning's N: 0.0000

Invert: 17.60 ft
Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: LOCAL_20FT_FULL

Cross Section: LOCAL_20FT_FULL

Comment:

Weir Link: RBW1820OWB

Scenario: Existing
From Node: NBW1820
To Node: NBW2610
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 19.10 ft
 Control Elevation: 19.10 ft
 Max Depth: 9999.00 ft
 Max Width: 100.00 ft
 Fillet: 0.00 ft

Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RBW1830

Scenario: Existing
 From Node: NBW1830
 To Node: NBW1730
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 600.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 11.49 ft
 Manning's N: 0.0150
 Geometry: Circular
 Max Depth: 4.50 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 10.88 ft
 Manning's N: 0.0150
 Geometry: Circular
 Max Depth: 4.50 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Bottom Clip

Top Clip

Comment:

Channel Link: RBW1830OW

Scenario: Existing
 From Node: NBW1850
 To Node: NBW1830
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 18.56 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RBW1830OW

Downstream

Invert: 18.55 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RBW1830OW

Comment:

Channel Link: RBW1830OWA		Upstream	Downstream
Scenario:	Existing	Invert: 19.10 ft	Invert: 16.60 ft
From Node:	NBW1830	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW2610	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: HENDERSON_FULL	Cross Section: HENDERSON_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	1027.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RBW1840		Upstream	Downstream
Scenario:	Existing	Invert: 13.90 ft	Invert: 13.27 ft
From Node:	NBW1840	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NBW2790	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	312.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1840OW		Upstream	Downstream
Scenario:	Existing	Invert: 17.30 ft	Invert: 16.80 ft
From Node:	NBW1840	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW2790	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	215.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Channel Link: RBW1840OWB		
	Upstream	Downstream
Scenario: Existing	Invert: 18.50 ft	Invert: 17.90 ft
From Node: NBW1840	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW2630	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 290.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW1850		
	Upstream	Downstream
Scenario: Existing	Invert: 11.43 ft	Invert: 11.38 ft
From Node: NBW1850	Manning's N: 0.0140	Manning's N: 0.0140
To Node: NBW1830	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 85.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1850OW		
	Upstream	Downstream
Scenario: Existing	Invert: 18.00 ft	Invert: 17.70 ft

From Node:	NBW1850	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW1730	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	CURB_30FT_FULL	Cross Section:	CURB_30FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	528.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RBW1860

	Upstream	Downstream
Scenario:	Existing	Existing
Invert:	14.23 ft	13.64 ft
From Node:	NBW1860	NBW1860
Manning's N:	0.0130	0.0130
To Node:	NBW2810	NBW2810
Geometry:	Horizontal Ellipse	Horizontal Ellipse
Link Count:	1	1
Max Depth:	1.17 ft	1.17 ft
Flow Direction:	Both	Both
Damping:	0.0000 ft	0.0000 ft
Length:	295.00 ft	295.00 ft
FHWA Code:	0	0
Entr Loss Coef:	0.20	0.20
Exit Loss Coef:	0.50	0.50
Bend Loss Coef:	0.00	0.00
Bend Location:	0.00 dec	0.00 dec
Energy Switch:	Energy	Energy

Comment:

Channel Link: RBW1860OW

	Upstream	Downstream
Scenario:	Existing	Existing
Invert:	17.60 ft	17.10 ft
From Node:	NBW1860	NBW1860
Manning's N:	0.0000	0.0000
To Node:	NBW2810	NBW2810
Geometry:	Irregular	Irregular
Link Count:	1	1
Cross Section:	LOCAL_20FT_FULL	LOCAL_20FT_FULL
Flow Direction:	Both	Both
Damping:	0.0000 ft	0.0000 ft
Length:	298.00 ft	298.00 ft
Contraction Coef:	0.00	0.00
Expansion Coef:	0.00	0.00
Entr Loss Coef:	0.00	0.00
Exit Loss Coef:	0.00	0.00
Bend Loss Coef:	0.00	0.00

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Pipe Link: RBW1870	Upstream	Downstream
Scenario: Existing	Invert: 13.06 ft	Invert: 12.26 ft
From Node: NBW1870	Manning's N: 0.0150	Manning's N: 0.0150
To Node: NBW1850	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 250.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1870OW	Upstream	Downstream
Scenario: Existing	Invert: 18.84 ft	Invert: 18.83 ft
From Node: NBW1870	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1830	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW1870OW	Cross Section: RBW1870OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW1890	Upstream	Downstream
Scenario: Existing	Invert: 11.67 ft	Invert: 11.59 ft
From Node: NBW1890	Manning's N: 0.0140	Manning's N: 0.0140
To Node: NBW1850	Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	615.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: RBW1910	Upstream	Downstream
Scenario: Existing	Invert: 11.74 ft	Invert: 11.67 ft
From Node: NBW1910	Manning's N: 0.0150	Manning's N: 0.0150
To Node: NBW1890	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 353.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RBW1910OW	Upstream	Downstream
Scenario: Existing	Invert: 17.83 ft	Invert: 17.82 ft
From Node: NBW1910	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3010	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW1910OW	Cross Section: RBW1910OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW1930	Upstream	Downstream
Scenario: Existing	Invert: 11.74 ft	Invert: 11.59 ft
From Node: NBW1930	Manning's N: 0.0150	Manning's N: 0.0150
To Node: NBW1910	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 286.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1930OW	Upstream	Downstream
Scenario: Existing	Invert: 17.91 ft	Invert: 17.90 ft
From Node: NBW1930	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1910	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW1930OW	Cross Section: RBW1930OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW1950	Upstream	Downstream
Scenario: Existing	Invert: 14.13 ft	Invert: 13.63 ft
From Node: NBW1950	Manning's N: 0.0100	Manning's N: 0.0100
To Node: NBW1930	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 0.67 ft	Max Depth: 0.67 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	42.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: RBW1970

Scenario:	Existing	Bottom Clip	
From Node:	NBW1970	Default:	0.00 ft
To Node:	NBW1950	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	17.56 ft	Discharge Coefficients	
Control Elevation:	17.56 ft	Weir Default:	3.200
Max Depth:	18.22 ft	Weir Table:	
Max Width:	1.05 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Weir Link: RBW1970A

Scenario:	Existing	Bottom Clip	
From Node:	NBW1970	Default:	0.00 ft
To Node:	NBW1950	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	18.22 ft	Discharge Coefficients	
Control Elevation:	18.22 ft	Weir Default:	3.200
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	10.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Channel Link: RBW1970OW		Upstream	Downstream
Scenario:	Existing	Invert: 18.64 ft	Invert: 18.63 ft
From Node:	NBW1970	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW1850	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RBW1970OW	Cross Section: RBW1970OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RBW1990		Upstream	Downstream
Scenario:	Existing	Invert: 11.88 ft	Invert: 11.74 ft
From Node:	NBW1990	Manning's N: 0.0150	Manning's N: 0.0150
To Node:	NBW1930	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	371.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RBW1990OW		Upstream	Downstream
Scenario:	Existing	Invert: 18.65 ft	Invert: 18.64 ft
From Node:	NBW1990	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW1850	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RBW1990OW	Cross Section: RBW1990OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RBW2010	Upstream	Downstream
Scenario: Existing	Invert: 13.84 ft	Invert: 13.25 ft
From Node: NBW2010	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW1990	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 421.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW2010OW	Upstream	Downstream
Scenario: Existing	Invert: 18.48 ft	Invert: 18.47 ft
From Node: NBW2030	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW2010	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW2010OW	Cross Section: RBW2010OW

Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RBW2030	Upstream	Downstream
Scenario: Existing	Invert: 14.34 ft	Invert: 14.75 ft

From Node: NBW2030
 To Node: NBW2010
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 218.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.20
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Manning's N: 0.0120

Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 2.00 ft

Max Depth: 2.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: RBW2030OW

Upstream

Downstream

Scenario: Existing

Invert: 19.50 ft

Invert: 17.40 ft

From Node: NBW2030

Manning's N: 0.0000

Manning's N: 0.0000

To Node: NBW1820

Geometry: Irregular

Geometry: Irregular

Link Count: 1

Cross Section: CURB_25FT_FULL

Cross Section: CURB_25FT_FULL

Flow Direction: Both

Damping: 0.0000 ft

Length: 982.00 ft

Contraction Coef: 0.00

Expansion Coef: 0.00

Entr Loss Coef: 0.00

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Pipe Link: RBW2050

Upstream

Downstream

Scenario: Existing

Invert: 12.39 ft

Invert: 11.88 ft

From Node: NBW2050

Manning's N: 0.0120

Manning's N: 0.0120

To Node: NBW1990

Geometry: Circular

Geometry: Circular

Link Count: 1

Max Depth: 4.50 ft

Max Depth: 4.50 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RBW2060

Upstream

Downstream

Scenario: Existing
 From Node: NBW2060
 To Node: NBW2050
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 401.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 16.73 ft
 Manning's N: 0.0120

Invert: 15.53 ft
 Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 1.00 ft

Max Depth: 1.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Inventory

Pipe Link: RBW2070

Upstream

Downstream

Scenario: Existing
 From Node: NBW2070
 To Node: NBW2050
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 647.03 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 12.45 ft
 Manning's N: 0.0120

Invert: 12.39 ft
 Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 4.50 ft

Max Depth: 4.50 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RBW2090

Upstream

Downstream

Scenario: Existing
 From Node: NBW2090
 To Node: NBW2070

Invert: 12.79 ft
 Manning's N: 0.0120

Invert: 12.37 ft
 Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	671.64 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory, DM Model					

Pipe Link: RBW2110	Upstream	Downstream
Scenario: Existing	Invert: 13.01 ft	Invert: 12.61 ft
From Node: NBW2110	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW2090	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 677.62 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, DM Model		

Pipe Link: RBW2130	Upstream	Downstream
Scenario: Existing	Invert: 13.18 ft	Invert: 12.98 ft
From Node: NBW2130	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW2110	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 321.22 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RBW2140	Upstream	Downstream
Scenario: Existing	Invert: 13.92 ft	Invert: 13.57 ft
From Node: NBW2140	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW2130	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 145.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Added per ERP 9599

Weir Link: RBW2145		
Scenario:	Existing	Bottom Clip
From Node:	NBW2145	Default: 0.00 ft
To Node:	NBW2140	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	15.93 ft	Discharge Coefficients
Control Elevation:	15.93 ft	Weir Default: 3.200
Max Depth:	2.11 ft	Weir Table:
Max Width:	0.71 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment: Added per ERP 9599

Weir Link: RBW2145B		
Scenario:	Existing	Bottom Clip
From Node:	STORAGE4	Default: 0.00 ft
To Node:	NBW2145	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft

Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 14.64 ft
 Control Elevation: 14.64 ft
 Max Depth: 4.00 ft
 Max Width: 64.00 ft
 Fillet: 0.00 ft

Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment: Added per ERP 9599

Pipe Link: RBW2150

Scenario: Existing
 From Node: NBW2150
 To Node: NBW2070
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 428.10 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 12.68 ft
 Manning's N: 0.0120
 Geometry: Horizontal Ellipse
 Max Depth: 3.17 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 12.43 ft
 Manning's N: 0.0120
 Geometry: Horizontal Ellipse
 Max Depth: 3.17 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Bottom Clip

Top Clip

Comment: Inventory, DM Model

Pipe Link: RBW2170

Scenario: Existing
 From Node: NBW2170
 To Node: NBW2150
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 361.13 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 14.58 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 2.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 14.27 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 2.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Bottom Clip

Top Clip

Comment: Inventory, DM Model

Pipe Link: RBW2190		Upstream	Downstream
Scenario:	Existing	Invert: 15.55 ft	Invert: -0.86 ft
From Node:	NBW2190	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NBW2170	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	104.27 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, DM Model			

Pipe Link: RBW2210		Upstream	Downstream
Scenario:	Existing	Invert: 12.93 ft	Invert: 12.68 ft
From Node:	NBW2210	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NBW2150	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 2.83 ft	Max Depth: 2.83 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	212.63 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, DM Model			

Pipe Link: RBW2230		Upstream	Downstream
Scenario:	Existing	Invert: 14.20 ft	Invert: 13.59 ft
From Node:	NBW2230	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NBW2210	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	319.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RBW2250	Upstream	Downstream
Scenario: Existing	Invert: 13.53 ft	Invert: 12.93 ft
From Node: NBW2250	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW2210	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.83 ft	Max Depth: 2.83 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 302.75 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RBW2270	Upstream	Downstream
Scenario: Existing	Invert: 14.25 ft	Invert: 13.53 ft
From Node: NBW2270	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW2250	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.83 ft	Max Depth: 2.83 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 582.53 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RBW2290	Upstream	Downstream
Scenario: Existing	Invert: 14.68 ft	Invert: 14.13 ft

From Node:	NBW2290	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NBW2270	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	387.08 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory, DM Model

Pipe Link: RBW2310	Upstream	Downstream
Scenario: Existing	Invert: 14.98 ft	Invert: 14.25 ft
From Node: NBW2310	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW2270	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 228.38 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RBW2330	Upstream	Downstream
Scenario: Existing	Invert: 15.28 ft	Invert: 14.64 ft
From Node: NBW2330	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW2310	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 435.16 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RBW2350

Upstream

Downstream

Scenario: Existing
 From Node: NBW2350
 To Node: NBW1410
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 285.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 9.03 ft
 Manning's N: 0.0130

Invert: 8.55 ft
 Manning's N: 0.0130

Geometry: Circular

Geometry: Circular

Max Depth: 4.00 ft

Max Depth: 4.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: RBW2350OWB

Upstream

Downstream

Scenario: Existing
 From Node: NBW2350
 To Node: NBW1410
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 310.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 15.80 ft
 Manning's N: 0.0000

Invert: 15.00 ft
 Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: LOCAL_20FT_HALF

Cross Section: LOCAL_20FT_HALF

Comment:

Pipe Link: RBW2370

Upstream

Downstream

Scenario: Existing
 From Node: NBW2370
 To Node: NBW2350

Invert: 12.10 ft
 Manning's N: 0.0130

Invert: 10.03 ft
 Manning's N: 0.0130

Geometry: Horizontal Ellipse

Geometry: Horizontal Ellipse

Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	628.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RBW2370OWA	Upstream	Downstream
Scenario: Existing	Invert: 16.10 ft	Invert: 15.70 ft
From Node: NBW2380	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1353	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL

Flow Direction: Both
Damping: 0.0000 ft
Length: 200.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: RBW2370OWB	Upstream	Downstream
Scenario: Existing	Invert: 15.40 ft	Invert: 15.90 ft
From Node: NBW2370	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW2350	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL

Flow Direction: Both
Damping: 0.0000 ft
Length: 630.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Weir Link: RBW2380OWA

Scenario:	Existing	Bottom Clip
From Node:	NBW2380	Default: 0.00 ft
To Node:	NBW2370	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	16.20 ft	Discharge Coefficients
Control Elevation:	16.20 ft	Weir Default: 2.600
Max Depth:	9999.00 ft	Weir Table:
Max Width:	200.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Weir Link: RBW2385A

Scenario:	Existing	Bottom Clip
From Node:	NBW2385	Default: 0.00 ft
To Node:	NBW2387	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	18.43 ft	Discharge Coefficients
Control Elevation:	18.43 ft	Weir Default: 3.200
Max Depth:	0.25 ft	Weir Table:
Max Width:	10.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Weir Link: RBW2385B

Scenario:	Existing	Bottom Clip
From Node:	NBW2385	Default: 0.00 ft
To Node:	NBW2387	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:

Geometry Type: Rectangular
Invert: 18.63 ft
Control Elevation: 18.63 ft
Max Depth: 9999.00 ft
Max Width: 15.50 ft
Fillet: 0.00 ft

Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RBW2385OWA

Scenario: Existing
From Node: NBW2385
To Node: NBW2380
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 18.70 ft
Control Elevation: 18.70 ft
Max Depth: 9999.00 ft
Max Width: 130.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RBW2385OWB

Scenario: Existing
From Node: NBW2385
To Node: NSR0881
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 18.45 ft
Control Elevation: 18.45 ft
Max Depth: 9999.00 ft
Max Width: 150.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: RBW2387

Upstream

Downstream

Scenario:	Existing	Invert:	15.37 ft	Invert:	15.30 ft
From Node:	NBW2387	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NBW2380	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	35.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link:	RBW2390	Upstream		Downstream	
Scenario:	Existing	Invert:	9.74 ft	Invert:	9.03 ft
From Node:	NBW2390	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	NBW2350	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	644.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link:	RBW2390OW	Upstream		Downstream	
Scenario:	Existing	Invert:	17.40 ft	Invert:	16.00 ft
From Node:	NBW2390	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW2350	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	LOCAL_20FT_FULL	Cross Section:	LOCAL_20FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	638.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				

Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RBW2410

	Upstream	Downstream
Scenario: Existing	Invert: 10.18 ft	Invert: 9.74 ft
From Node: NBW2410	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW2390	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 640.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW2410OWA

	Upstream	Downstream
Scenario: Existing	Invert: 17.80 ft	Invert: 17.30 ft
From Node: NBW2410	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW2390	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 255.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Weir Link: RBW2410OWB

Scenario: Existing	Bottom Clip
From Node: NBW2410	Default: 0.00 ft

To Node: NBW1480
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 18.30 ft
 Control Elevation: 18.30 ft
 Max Depth: 9999.00 ft
 Max Width: 45.00 ft
 Fillet: 0.00 ft

Op Table:
 Ref Node:
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RBW2430

Scenario: Existing
 From Node: NBW2430
 To Node: NBW2410
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 655.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 10.59 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 3.00 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 10.18 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 3.00 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: RBW2430OWA

Scenario: Existing
 From Node: NBW2430
 To Node: NSR0881
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 400.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec

Upstream

Invert: 18.00 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: HENDERSON_FULL

Downstream

Invert: 17.00 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: HENDERSON_FULL

Energy Switch: Energy

Comment:

Channel Link: RBW2430WB		Upstream	Downstream
Scenario:	Existing	Invert: 17.00 ft	Invert: 16.50 ft
From Node:	NBW2430	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW2410	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	275.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RBW2450		Upstream	Downstream
Scenario:	Existing	Invert: 10.99 ft	Invert: 10.59 ft
From Node:	NBW2450	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NBW2430	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	35.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBW2470		Upstream	Downstream
Scenario:	Existing	Invert: 10.61 ft	Invert: 10.11 ft
From Node:	NBW2470	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NBW2450	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 3.16 ft	Max Depth: 3.16 ft

Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 187.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Weir Link: RBW2470OWA		
Scenario: Existing	Bottom Clip	
From Node: NBW2470	Default: 0.00 ft	
To Node: NBW2430	Op Table:	
Link Count: 1	Ref Node:	
Flow Direction: Both	Top Clip	
Damping: 0.0000 ft	Default: 0.00 ft	
Weir Type: Broad Crested Vertical	Op Table:	
Geometry Type: Rectangular	Ref Node:	
Invert: 16.10 ft	Discharge Coefficients	
Control Elevation: 16.10 ft	Weir Default: 2.600	
Max Depth: 9999.00 ft	Weir Table:	
Max Width: 40.00 ft	Orifice Default: 0.600	
Fillet: 0.00 ft	Orifice Table:	
Comment:		

Pipe Link: RBW2490	Upstream	Downstream
Scenario: Existing	Invert: 11.10 ft	Invert: 10.57 ft
From Node: NBW2490	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW2470	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 3.17 ft	Max Depth: 3.17 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 203.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RBW2490OW		Upstream	Downstream
Scenario:	Existing	Invert: 16.60 ft	Invert: 14.60 ft
From Node:	NBW2490	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW2470	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: DALE_MABRY_FUL	Cross Section: DALE_MABRY_FUL
Flow Direction:	Both	L	L
Damping:	0.0000 ft		
Length:	213.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RBW2510		Upstream	Downstream
Scenario:	Existing	Invert: 11.33 ft	Invert: 11.10 ft
From Node:	NBW2510	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NBW2490	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 3.17 ft	Max Depth: 3.17 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	252.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RBW2510OWA			
Scenario:	Existing	Bottom Clip	
From Node:	NBW2510	Default:	0.00 ft
To Node:	NBW1550	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	17.20 ft	Discharge Coefficients	
Control Elevation:	17.20 ft	Weir Default:	2.600

Max Depth: 9999.00 ft
 Max Width: 50.00 ft
 Fillet: 0.00 ft

Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RBW2530	Upstream	Downstream
Scenario: Existing	Invert: 11.73 ft	Invert: 11.33 ft
From Node: NBW2530	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW2510	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 3.17 ft	Max Depth: 3.17 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 394.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBW2550	Upstream	Downstream
Scenario: Existing	Invert: 16.13 ft	Invert: 13.93 ft
From Node: NBW2550	Manning's N: 0.0100	Manning's N: 0.0100
To Node: NBW2530	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 30.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RBW2570

Scenario: Existing

Bottom Clip

From Node: NBW2570
 To Node: NBW2550
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 17.51 ft
 Control Elevation: 17.51 ft
 Max Depth: 9999.00 ft
 Max Width: 10.00 ft
 Fillet: 0.00 ft

Default: 0.00 ft
 Op Table:
 Ref Node:
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Channel Link: RBW2570OW

Scenario: Existing
 From Node: NBW2570
 To Node: NBW1510
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream
 Invert: 18.50 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RBW2570OW

Downstream
 Invert: 18.49 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RBW2570OW

Comment:

Pipe Link: RBW2590

Scenario: Existing
 From Node: NBW2590
 To Node: NBW2530
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 236.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 1.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec

Upstream
 Invert: 12.02 ft
 Manning's N: 0.0130
 Geometry: Horizontal Ellipse
 Max Depth: 3.17 ft

Downstream
 Invert: 11.73 ft
 Manning's N: 0.0130
 Geometry: Horizontal Ellipse
 Max Depth: 3.17 ft

Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip
 Default: 0.00 ft
 Op Table:

Top Clip
 Default: 0.00 ft
 Op Table:

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: RBW2610

Scenario: Existing
 From Node: NBW2610
 To Node: NBW2450
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 97.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 9.65 ft
 Manning's N: 0.0120

Geometry: Circular

Max Depth: 3.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Downstream

Invert: 9.75 ft
 Manning's N: 0.0120

Geometry: Circular

Max Depth: 3.00 ft

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Comment:

Weir Link: RBW2610OWA

Scenario: Existing
 From Node: NBW2610
 To Node: NBW2470
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 16.90 ft
 Control Elevation: 16.90 ft
 Max Depth: 9999.00 ft
 Max Width: 130.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: RBW2630

Scenario: Existing
 From Node: NBW2630
 To Node: NBW2610
 Link Count: 1

Upstream

Invert: 11.46 ft
 Manning's N: 0.0120

Geometry: Circular

Max Depth: 2.00 ft

Downstream

Invert: 11.14 ft
 Manning's N: 0.0120

Geometry: Circular

Max Depth: 2.00 ft

Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 405.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RBW2630OW	Upstream	Downstream
Scenario: Existing	Invert: 17.30 ft	Invert: 16.60 ft
From Node: NBW2630	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW2610	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 374.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Pipe Link: RBW2650	Upstream	Downstream
Scenario: Existing	Invert: 11.32 ft	Invert: 11.14 ft
From Node: NBW2650	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW2610	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 37.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RBW2670		Upstream	Downstream
Scenario:	Existing	Invert: 11.63 ft	Invert: 11.32 ft
From Node:	NBW2670	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NBW2650	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	330.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RBW2670OW		Upstream	Downstream
Scenario:	Existing	Invert: 17.30 ft	Invert: 16.60 ft
From Node:	NBW2670	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW2650	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: DALE_MABRY_HAL	Cross Section: DALE_MABRY_HAL
Flow Direction:	Both	F	F
Damping:	0.0000 ft		
Length:	360.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RBW2680		Upstream	Downstream
Scenario:	Existing	Invert: 12.41 ft	Invert: 11.41 ft
From Node:	NBW2680	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NBW2690	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	425.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW2680OW		Upstream	Downstream
Scenario: Existing		Invert: 17.50 ft	Invert: 16.50 ft
From Node: NBW2680		Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW2690		Geometry: Irregular	Geometry: Irregular
Link Count: 1		Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL
Flow Direction: Both			
Damping: 0.0000 ft			
Length: 425.00 ft			
Contraction Coef: 0.00			
Expansion Coef: 0.00			
Entr Loss Coef: 0.00			
Exit Loss Coef: 0.00			
Bend Loss Coef: 0.00			
Bend Location: 0.00 dec			
Energy Switch: Energy			

Comment:

Pipe Link: RBW2690		Upstream	Downstream
Scenario: Existing		Invert: 11.97 ft	Invert: 11.63 ft
From Node: NBW2690		Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW2670		Geometry: Circular	Geometry: Circular
Link Count: 1		Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both		Bottom Clip	
Damping: 0.0000 ft		Default: 0.00 ft	Default: 0.00 ft
Length: 315.00 ft		Op Table:	Op Table:
FHWA Code: 0		Ref Node:	Ref Node:
Entr Loss Coef: 0.50		Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50		Top Clip	
Bend Loss Coef: 0.00		Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec		Op Table:	Op Table:
Energy Switch: Energy		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBW2690B		Upstream	Downstream
Scenario: Existing		Invert: 6.70 ft	Invert: 6.50 ft

From Node: NBW2450	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW2690	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 660.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.50	Op Table:	Op Table:
Exit Loss Coef: 0.50	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW2690OW	Upstream	Downstream
Scenario: Existing	Invert: 16.80 ft	Invert: 16.20 ft
From Node: NBW2690	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW2430	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: DALE_MABRY_HAL	Cross Section: DALE_MABRY_HAL
Flow Direction: Both	F	F
Damping: 0.0000 ft		
Length: 419.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Weir Link: RBW27090OC	Bottom Clip
Scenario: Existing	Default: 0.00 ft
From Node: NBW2790	Op Table:
To Node: NBW2780	Ref Node:
Link Count: 1	Top Clip
Flow Direction: Both	Default: 0.00 ft
Damping: 0.0000 ft	Op Table:
Weir Type: Broad Crested Vertical	Ref Node:
Geometry Type: Rectangular	Discharge Coefficients
Invert: 18.40 ft	Weir Default: 2.600
Control Elevation: 18.40 ft	

Max Depth: 9999.00 ft
 Max Width: 40.00 ft
 Fillet: 0.00 ft

Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RBW2710

Scenario: Existing
 From Node: NBW2710
 To Node: NBW2680
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 80.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 13.43 ft
 Manning's N: 0.0130
 Geometry: Horizontal Ellipse
 Max Depth: 1.00 ft

Downstream

Invert: 13.02 ft
 Manning's N: 0.0130
 Geometry: Horizontal Ellipse
 Max Depth: 1.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Weir Link: RBW2730

Scenario: Existing
 From Node: NBW2730
 To Node: NBW2710
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 18.60 ft
 Control Elevation: 18.60 ft
 Max Depth: 9999.00 ft
 Max Width: 10.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: RBW2730A

Scenario: Existing
 From Node: NBW2730

Bottom Clip

Default: 0.00 ft

To Node: NBW2710
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 17.70 ft
 Control Elevation: 17.70 ft
 Max Depth: 0.90 ft
 Max Width: 0.35 ft
 Fillet: 0.00 ft

Op Table:
 Ref Node:
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RBW2770

Scenario: Existing
 From Node: NBW2770
 To Node: NBW2630
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 214.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.20
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 12.24 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 2.00 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 11.46 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 2.00 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: RBW2775

Scenario: Existing
 From Node: NBW2775
 To Node: NBW0330
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 25.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 1.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 3.50 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 1.00 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:

Downstream

Invert: 3.40 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 1.00 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: RBW2780

Scenario: Existing
From Node: NBW2780
To Node: NBW2680
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 176.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 12.61 ft
Manning's N: 0.0130
Geometry: Horizontal Ellipse
Max Depth: 2.00 ft
Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Downstream

Invert: 12.41 ft
Manning's N: 0.0130
Geometry: Horizontal Ellipse
Max Depth: 2.00 ft
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RBW2780OW

Scenario: Existing
From Node: NBW2780
To Node: NBW2680
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 176.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 18.20 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: CURB_25FT_FULL

Downstream

Invert: 17.50 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: CURB_25FT_FULL

Comment:

Weir Link: RBW2780OWA

Scenario: Existing
From Node: NBW2780
To Node: NBW2670
Link Count: 1

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 18.20 ft
 Control Elevation: 18.20 ft
 Max Depth: 9999.00 ft
 Max Width: 40.00 ft
 Fillet: 0.00 ft

Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RBW2790

Scenario: Existing
 From Node: NBW2790
 To Node: NBW2770
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 663.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.20
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 13.27 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 2.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 12.24 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 2.00 ft

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Comment:

Channel Link: RBW2790OW

Scenario: Existing
 From Node: NBW2810
 To Node: NBW2790
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 300.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 17.20 ft
 Manning's N: 0.0000

Geometry: Irregular

Cross Section: LOCAL_20FT_FULL

Downstream

Invert: 17.00 ft
 Manning's N: 0.0000

Geometry: Irregular

Cross Section: LOCAL_20FT_FULL

Comment:

Channel Link: RBW2790WA		Upstream	Downstream
Scenario:	Existing	Invert: 17.70 ft	Invert: 17.40 ft
From Node:	NBW2790	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW2630	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	205.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Weir Link: RBW2790WB		Bottom Clip
Scenario:	Existing	Default: 0.00 ft
From Node:	NBW2790	Op Table:
To Node:	NBW2780	Ref Node:
Link Count:	1	
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	18.40 ft	Discharge Coefficients
Control Elevation:	18.40 ft	Weir Default: 2.600
Max Depth:	9999.00 ft	Weir Table:
Max Width:	40.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Weir Link: RBW2790WD		Bottom Clip
Scenario:	Existing	Default: 0.00 ft
From Node:	NBW2790	Op Table:
To Node:	NBW2780	Ref Node:
Link Count:	1	
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	18.20 ft	Discharge Coefficients
Control Elevation:	18.20 ft	Weir Default: 2.600
Max Depth:	9999.00 ft	Weir Table:

Max Width: 180.00 ft
 Fillet: 0.00 ft

Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RBW2810

Scenario: Existing
 From Node: NBW2810
 To Node: NBW2790
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 314.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.20
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 13.64 ft
 Manning's N: 0.0130
 Geometry: Horizontal Ellipse
 Max Depth: 1.58 ft

Downstream

Invert: 13.27 ft
 Manning's N: 0.0130
 Geometry: Horizontal Ellipse
 Max Depth: 1.58 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: RBW2830.1

Scenario: Existing
 From Node: NBW2830
 To Node: NBW2810
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 650.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.20
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 14.52 ft
 Manning's N: 0.0130
 Geometry: Horizontal Ellipse
 Max Depth: 1.17 ft

Downstream

Invert: 13.64 ft
 Manning's N: 0.0130
 Geometry: Horizontal Ellipse
 Max Depth: 1.17 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: RBW2830OW

Scenario: Existing
 From Node: NBW2830

Upstream

Invert: 17.20 ft
 Manning's N: 0.0000

Downstream

Invert: 17.00 ft
 Manning's N: 0.0000

To Node:	NBW2810	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	650.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RCL0030	Upstream	Downstream
Scenario: Existing	Invert: -3.68 ft	Invert: -3.77 ft
From Node: NCL0030	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0010	Geometry: Rectangular	Geometry: Rectangular
Link Count: 2	Max Depth: 6.00 ft	Max Depth: 6.00 ft
Flow Direction: Both	Max Width: 7.00 ft	Max Width: 7.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 165.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 1.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RCL0050	Upstream	Downstream
Scenario: Existing	Invert: -1.55 ft	Invert: -1.87 ft
From Node: NCL0050	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0030	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 155.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft

Bend Location: 0.00 dec
Energy Switch: Energy

Op Table:
Ref Node:
Manning's N: 0.0000

Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: RCL0070

Scenario: Existing
From Node: NCL0070
To Node: NCL0030
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 500.00 ft
FHWA Code: 0
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: -0.67 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 2.50 ft

Downstream

Invert: -1.87 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RCL0070OW

Scenario: Existing
From Node: NCL0070
To Node: NCL0010
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 4.04 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RCL0070OW

Downstream

Invert: 4.03 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RCL0070OW

Comment:

Pipe Link: RCL0090

Scenario: Existing
From Node: NCL0090

Upstream

Invert: 0.93 ft
Manning's N: 0.0120

Downstream

Invert: -0.37 ft
Manning's N: 0.0120

To Node:	NCL0070	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	495.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link:	RCL0090OW	Upstream		Downstream	
Scenario:	Existing	Invert:	5.12 ft	Invert:	5.11 ft
From Node:	NCL0090	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL0010	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL0090OW	Cross Section:	RCL0090OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link:	RCL0110	Upstream		Downstream	
Scenario:	Existing	Invert:	-3.47 ft	Invert:	-3.68 ft
From Node:	NCL0110	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL0030	Geometry:	Rectangular	Geometry:	Rectangular
Link Count:	2	Max Depth:	6.00 ft	Max Depth:	6.00 ft
Flow Direction:	Both	Max Width:	7.00 ft	Max Width:	7.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	585.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft

	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RCL0130	Upstream	Downstream
Scenario: Existing	Invert: -3.43 ft	Invert: -3.47 ft
From Node: NCL0130	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0110	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 4.83 ft	Max Depth: 4.83 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 165.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RCL0150	Upstream	Downstream
Scenario: Existing	Invert: 0.13 ft	Invert: -3.43 ft
From Node: NCL0150	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0130	Geometry: Circular	Geometry: Circular
Link Count: 2	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 573.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RCL0150A	Upstream	Downstream
Scenario: Existing	Invert: 0.13 ft	Invert: -0.86 ft
From Node: NCL0150	Manning's N: 0.0120	Manning's N: 0.0120

To Node:	NOC0290	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	142.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link:	RCL0150OW	Upstream		Downstream	
Scenario:	Existing	Invert:	5.12 ft	Invert:	5.11 ft
From Node:	NCL0150	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NOC0070	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL0150OW	Cross Section:	RCL0150OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link:	RCL0170	Upstream		Downstream	
Scenario:	Existing	Invert:	-1.27 ft	Invert:	-1.07 ft
From Node:	NCL0170	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL0150	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	142.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: RCL0170OW

Upstream

Downstream

Scenario: Existing
From Node: NCL0170
To Node: NOC0070
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 4.66 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RCL0170OW

Invert: 4.65 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RCL0170OW

Comment:

Pipe Link: RCL0190

Upstream

Downstream

Scenario: Existing
From Node: NCL0190
To Node: NCL0170
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 136.00 ft
FHWA Code: 0
Entr Loss Coef: 0.20
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: -0.07 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 2.00 ft
Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Invert: -0.27 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 2.00 ft
Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RCL0190OW

Upstream

Downstream

Scenario: Existing
From Node: NCL0190
To Node: NCL0150
Link Count: 1

Invert: 5.75 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RCL0190OW

Invert: 5.74 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RCL0190OW

Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RCL0210	Upstream	Downstream
Scenario: Existing	Invert: -0.97 ft	Invert: -1.27 ft
From Node: NCL0210	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0170	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 408.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL0210OW	Upstream	Downstream
Scenario: Existing	Invert: 3.36 ft	Invert: 3.35 ft
From Node: NCL0210	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NOC0330	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL0210OW	Cross Section: RCL0210OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL0230		Upstream	Downstream
Scenario:	Existing	Invert: 0.63 ft	Invert: -0.17 ft
From Node:	NCL0230	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL0210	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	121.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RCL0230OW		Upstream	Downstream
Scenario:	Existing	Invert: 5.22 ft	Invert: 5.21 ft
From Node:	NCL0230	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL0350	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL0230OW	Cross Section: RCL0230OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RCL0250		Upstream	Downstream
Scenario:	Existing	Invert: 4.13 ft	Invert: 3.63 ft
From Node:	NCL0250	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL0230	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	154.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: RCL0270

Scenario:	Existing	Bottom Clip	
From Node:	NCL0270	Default:	0.00 ft
To Node:	NCL0250	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.93 ft	Discharge Coefficients	
Control Elevation:	5.93 ft	Weir Default:	3.200
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	5.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Channel Link: RCL0270OW

	Upstream	Downstream			
Scenario:	Existing	Invert:	5.42 ft	Invert:	5.41 ft
From Node:	NCL0270	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL0350	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL0270OW	Cross Section:	RCL0270OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RCL0290

	Upstream	Downstream			
Scenario:	Existing	Invert:	-0.86 ft	Invert:	-0.97 ft
From Node:	NCL0290	Manning's N:	0.0120	Manning's N:	0.0120

To Node:	NCL0210	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	65.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link:	RCL0310	Upstream		Downstream	
Scenario:	Existing	Invert:	-0.57 ft	Invert:	-0.86 ft
From Node:	NCL0310	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL0290	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	286.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link:	RCL0330	Upstream		Downstream	
Scenario:	Existing	Invert:	0.33 ft	Invert:	-0.57 ft
From Node:	NCL0330	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL0310	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	75.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: RCL0330OW

Upstream

Downstream

Scenario: Existing
 From Node: NCL0330
 To Node: NOC0330
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 5.09 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RCL0330OW

Invert: 5.08 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RCL0330OW

Comment:

Pipe Link: RCL0350

Upstream

Downstream

Scenario: Existing
 From Node: NCL0350
 To Node: NCL0310
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 121.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 0.63 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 3.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Invert: -0.57 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 3.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: RCL0370

Upstream

Downstream

Scenario: Existing
 From Node: NCL0370
 To Node: NCL0350
 Link Count: 1

Invert: 1.63 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 2.50 ft

Invert: 0.63 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 2.50 ft

Flow Direction: Both

Damping: 0.0000 ft

Length: 615.00 ft

FHWA Code: 0

Entr Loss Coef: 0.20

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 dec

Energy Switch: Energy

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Comment:

Channel Link: RCL0370OW

Upstream

Downstream

Scenario: Existing

From Node: NCL0370

To Node: NCL0350

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Length: 33.00 ft

Contraction Coef: 0.00

Expansion Coef: 0.00

Entr Loss Coef: 0.00

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 dec

Energy Switch: Energy

Invert: 6.78 ft

Manning's N: 0.0000

Geometry: Irregular

Cross Section: RCL0370OW

Invert: 6.77 ft

Manning's N: 0.0000

Geometry: Irregular

Cross Section: RCL0370OW

Comment:

Pipe Link: RCL0390

Upstream

Downstream

Scenario: Existing

From Node: NCL0390

To Node: NCL0110

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Length: 460.00 ft

FHWA Code: 0

Entr Loss Coef: 0.00

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 dec

Energy Switch: Energy

Invert: -3.06 ft

Manning's N: 0.0120

Geometry: Rectangular

Max Depth: 6.00 ft

Max Width: 9.00 ft

Fillet: 0.00 ft

Invert: -3.47 ft

Manning's N: 0.0120

Geometry: Rectangular

Max Depth: 6.00 ft

Max Width: 9.00 ft

Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: RCL0390OW

Upstream

Downstream

Scenario: Existing
From Node: NCL0390
To Node: NCL0110
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 4.83 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RCL0390OW

Invert: 4.82 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RCL0390OW

Comment:

Pipe Link: RCL0410

Upstream

Downstream

Scenario: Existing
From Node: NCL0410
To Node: NCL0390
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 183.00 ft
FHWA Code: 0
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 1.23 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 2.00 ft
Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Invert: 0.83 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 2.00 ft
Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: RCL0430

Upstream

Downstream

Scenario: Existing
From Node: NCL0430
To Node: NCL0410
Link Count: 1

Invert: 1.63 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 2.00 ft

Invert: 1.23 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 2.00 ft

Flow Direction: Both

Damping: 0.0000 ft

Length: 204.00 ft

FHWA Code: 0

Entr Loss Coef: 0.20

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 dec

Energy Switch: Energy

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Comment:

Channel Link: RCL0430OW

Upstream

Downstream

Scenario: Existing

From Node: NCL0430

To Node: NCL0390

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Length: 33.00 ft

Contraction Coef: 0.00

Expansion Coef: 0.00

Entr Loss Coef: 0.00

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 dec

Energy Switch: Energy

Invert: 5.15 ft

Manning's N: 0.0000

Geometry: Irregular

Cross Section: RCL0430OW

Invert: 5.14 ft

Manning's N: 0.0000

Geometry: Irregular

Cross Section: RCL0430OW

Comment:

Pipe Link: RCL0450

Upstream

Downstream

Scenario: Existing

From Node: NCL0450

To Node: NCL0390

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Length: 367.00 ft

FHWA Code: 0

Entr Loss Coef: 0.00

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 dec

Energy Switch: Energy

Invert: -2.72 ft

Manning's N: 0.0120

Geometry: Rectangular

Max Depth: 6.00 ft

Max Width: 9.00 ft

Fillet: 0.00 ft

Invert: -3.04 ft

Manning's N: 0.0120

Geometry: Rectangular

Max Depth: 6.00 ft

Max Width: 9.00 ft

Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: RCL0450OW

Upstream

Downstream

Scenario: Existing
From Node: NCL0450
To Node: NCL0390
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 6.34 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RCL0450OW

Invert: 6.33 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RCL0450OW

Comment:

Pipe Link: RCL0470

Upstream

Downstream

Scenario: Existing
From Node: NCL0470
To Node: NCL0450
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 353.00 ft
FHWA Code: 0
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: -2.41 ft
Manning's N: 0.0120
Geometry: Rectangular
Max Depth: 6.00 ft
Max Width: 9.00 ft
Fillet: 0.00 ft

Invert: -2.72 ft
Manning's N: 0.0120
Geometry: Rectangular
Max Depth: 6.00 ft
Max Width: 9.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RCL0470OW

Upstream

Downstream

Scenario: Existing
From Node: NCL0470

Invert: 7.79 ft
Manning's N: 0.0000

Invert: 7.78 ft
Manning's N: 0.0000

To Node:	NCL0450	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL0470OW	Cross Section: RCL0470OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RCL0490	Upstream	Downstream
Scenario: Existing	Invert: -2.17 ft	Invert: -2.41 ft
From Node: NCL0490	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0470	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 6.00 ft	Max Depth: 6.00 ft
Flow Direction: Both	Max Width: 9.00 ft	Max Width: 9.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 314.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.50	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RCL0490OW	Upstream	Downstream
Scenario: Existing	Invert: 5.79 ft	Invert: 5.78 ft
From Node: NCL0490	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL0070	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL0490OW	Cross Section: RCL0490OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		

Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RCL0510	Upstream	Downstream
Scenario: Existing	Invert: -1.57 ft	Invert: -1.60 ft
From Node: NCL0510	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0490	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 12.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL0510OW	Upstream	Downstream
Scenario: Existing	Invert: 7.41 ft	Invert: 7.40 ft
From Node: NCL0510	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL0490	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL0510OW	Cross Section: RCL0510OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL0530	Upstream	Downstream
Scenario: Existing	Invert: 2.03 ft	Invert: 0.33 ft
From Node: NCL0530	Manning's N: 0.0120	Manning's N: 0.0120

To Node:	NCL0510	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	593.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link:	RCL0550	Upstream		Downstream	
Scenario:	Existing	Invert:	2.63 ft	Invert:	2.03 ft
From Node:	NCL0550	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL0530	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	27.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link:	RCL0550OW	Upstream		Downstream	
Scenario:	Existing	Invert:	8.17 ft	Invert:	8.16 ft
From Node:	NCL0550	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL0510	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL0550OW	Cross Section:	RCL0550OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				

Energy Switch: Energy

Comment:

Pipe Link: RCL0570	Upstream	Downstream
Scenario: Existing	Invert: 3.83 ft	Invert: 2.63 ft
From Node: NCL0570	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0550	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 331.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL0570OW	Upstream	Downstream
Scenario: Existing	Invert: 8.78 ft	Invert: 8.77 ft
From Node: NCL0570	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL0550	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL0570OW	Cross Section: RCL0570OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL0590	Upstream	Downstream
Scenario: Existing	Invert: -1.72 ft	Invert: -2.17 ft
From Node: NCL0590	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0490	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 6.00 ft	Max Depth: 6.00 ft

Flow Direction: Both
 Damping: 0.0000 ft
 Length: 313.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Max Width: 9.00 ft
 Fillet: 0.00 ft

Max Width: 9.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: RCL0590OW

Upstream

Downstream

Scenario: Existing
 From Node: NCL0590
 To Node: NCL0490
 Link Count: 1

Invert: 6.60 ft
 Manning's N: 0.0000

Invert: 6.59 ft
 Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: RCL0590OW

Cross Section: RCL0590OW

Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RCL0610

Upstream

Downstream

Scenario: Existing
 From Node: NCL0610
 To Node: NCL0590
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 344.00 ft

Invert: -1.22 ft
 Manning's N: 0.0120

Invert: -1.72 ft
 Manning's N: 0.0120

Geometry: Rectangular

Geometry: Rectangular

Max Depth: 6.00 ft

Max Depth: 6.00 ft

Max Width: 9.00 ft

Max Width: 9.00 ft

Fillet: 0.00 ft

Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:
Ref Node:
Manning's N: 0.0000

Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RCL0610OW	Upstream	Downstream
Scenario: Existing	Invert: 7.55 ft	Invert: 7.54 ft
From Node: NCL0610	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL0590	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL0610OW	Cross Section: RCL0610OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL0630	Upstream	Downstream
Scenario: Existing	Invert: -0.70 ft	Invert: -1.22 ft
From Node: NCL0630	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0610	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 6.00 ft	Max Depth: 6.00 ft
Flow Direction: Both	Max Width: 9.00 ft	Max Width: 9.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 368.00 ft		
FHWA Code: 0		
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy		
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL0630OW	Upstream	Downstream

Scenario:	Existing	Invert:	8.76 ft	Invert:	8.75 ft
From Node:	NCL0630	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW0950	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL0630OW	Cross Section:	RCL0630OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RCL0650	Upstream	Downstream
Scenario:	Existing	Existing
From Node:	NCL0650	NCL0630
To Node:	NCL0630	NCL0650
Link Count:	1	1
Flow Direction:	Both	Both
Damping:	0.0000 ft	0.0000 ft
Length:	12.00 ft	12.00 ft
FHWA Code:	0	0
Entr Loss Coef:	0.20	0.20
Exit Loss Coef:	0.00	0.00
Bend Loss Coef:	0.00	0.00
Bend Location:	0.00 dec	0.00 dec
Energy Switch:	Energy	Energy
	Invert: 1.33 ft	Invert: 0.83 ft
	Manning's N: 0.0120	Manning's N: 0.0120
	Geometry: Circular	Geometry: Circular
	Max Depth: 4.00 ft	Max Depth: 4.00 ft
	Bottom Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RCL0670	Upstream	Downstream
Scenario:	Existing	Existing
From Node:	NCL0670	NCL0650
To Node:	NCL0650	NCL0670
Link Count:	1	1
Flow Direction:	Both	Both
Damping:	0.0000 ft	0.0000 ft
Length:	577.00 ft	577.00 ft
FHWA Code:	0	0
Entr Loss Coef:	0.00	0.00
Exit Loss Coef:	0.00	0.00
Bend Loss Coef:	0.00	0.00
	Invert: 1.63 ft	Invert: 1.33 ft
	Manning's N: 0.0120	Manning's N: 0.0120
	Geometry: Circular	Geometry: Circular
	Max Depth: 4.00 ft	Max Depth: 4.00 ft
	Bottom Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft

Bend Location: 0.00 dec
Energy Switch: Energy

Op Table:
Ref Node:
Manning's N: 0.0000

Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: RCL0690

Scenario: Existing
From Node: NCL0690
To Node: NCL0670
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 43.00 ft
FHWA Code: 0
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 4.03 ft
Manning's N: 0.0120

Geometry: Circular

Max Depth: 2.50 ft

Downstream

Invert: 1.63 ft
Manning's N: 0.0120

Geometry: Circular

Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Comment:

Channel Link: RCL0690OW

Scenario: Existing
From Node: NCL0690
To Node: NCL0810
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 10.96 ft
Manning's N: 0.0000

Geometry: Irregular

Cross Section: RCL0690OW

Downstream

Invert: 10.95 ft
Manning's N: 0.0000

Geometry: Irregular

Cross Section: RCL0690OW

Comment:

Pipe Link: RCL0710

Scenario: Existing
From Node: NCL0710

Upstream

Invert: 4.13 ft
Manning's N: 0.0120

Downstream

Invert: 4.03 ft
Manning's N: 0.0120

To Node:	NCL0690	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	94.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link:	RCL0730	Upstream		Downstream	
Scenario:	Existing	Invert:	5.13 ft	Invert:	4.13 ft
From Node:	NCL0730	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL0710	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	48.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link:	RCL0730OW	Upstream		Downstream	
Scenario:	Existing	Invert:	10.58 ft	Invert:	10.57 ft
From Node:	NCL0730	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL0810	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL0730OW	Cross Section:	RCL0730OW
Flow Direction:	Both				
Damping:	0.0000				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				

Energy Switch: Energy

Comment:

Pipe Link: RCL0750	Upstream	Downstream
Scenario: Existing	Invert: 6.43 ft	Invert: 6.33 ft
From Node: NCL0750	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0730	Geometry: Circular	Geometry: Circular
Link Count: 2	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 50.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL0750OW	Upstream	Downstream
Scenario: Existing	Invert: 8.38 ft	Invert: 8.37 ft
From Node: NCL0750	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL0370	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL0750OW	Cross Section: RCL0750OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL0770	Upstream	Downstream
Scenario: Existing	Invert: 6.53 ft	Invert: 6.43 ft
From Node: NCL0770	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0750	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft

Flow Direction: Both
 Damping: 0.0000 ft
 Length: 173.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Bottom Clip		
Default:	0.00 ft	Default: 0.00 ft
Op Table:		Op Table:
Ref Node:		Ref Node:
Manning's N:	0.0000	Manning's N: 0.0000
Top Clip		
Default:	0.00 ft	Default: 0.00 ft
Op Table:		Op Table:
Ref Node:		Ref Node:
Manning's N:	0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL0770OW

Scenario: Existing
 From Node: NCL0770
 To Node: NCL0750
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream	Downstream
Invert: 9.51 ft	Invert: 9.50 ft
Manning's N: 0.0000	Manning's N: 0.0000
Geometry: Irregular	Geometry: Irregular
Cross Section: RCL0770OW	Cross Section: RCL0770OW

Comment:

Pipe Link: RCL0790

Scenario: Existing
 From Node: NCL0790
 To Node: NCL0670
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 31.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream	Downstream
Invert: 2.23 ft	Invert: 1.63 ft
Manning's N: 0.0120	Manning's N: 0.0120
Geometry: Circular	Geometry: Circular
Max Depth: 3.50 ft	Max Depth: 3.50 ft
Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Comment:

Pipe Link: RCL0810		Upstream	Downstream
Scenario:	Existing	Invert: 2.43 ft	Invert: 2.23 ft
From Node:	NCL0810	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL0790	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	232.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RCL0810OW		Upstream	Downstream
Scenario:	Existing	Invert: 10.00 ft	Invert: 9.99 ft
From Node:	NCL0810	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL0910	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL0810OW	Cross Section: RCL0810OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RCL0830		Upstream	Downstream
Scenario:	Existing	Invert: -0.22 ft	Invert: -0.52 ft
From Node:	NCL0830	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL0630	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 6.00 ft	Max Depth: 6.00 ft
Flow Direction:	Both	Max Width: 8.00 ft	Max Width: 8.00 ft
Damping:	0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	623.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.00	Op Table:	Op Table:
Exit Loss Coef:	0.00	Ref Node:	Ref Node:

Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL0850	Upstream	Downstream
Scenario: Existing	Invert: 1.49 ft	Invert: 0.81 ft
From Node: NCL0850	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0830	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 320.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL0850OW	Upstream	Downstream
Scenario: Existing	Invert: 8.17 ft	Invert: 8.16 ft
From Node: NCL0850	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL0830	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL0850OW	Cross Section: RCL0850OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL0870		Upstream	Downstream
Scenario:	Existing	Invert: 3.33 ft	Invert: 2.43 ft
From Node:	NCL0870	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL0810	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	360.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: RCL0870A		Upstream	Downstream
Scenario:	Existing	Invert: 2.09 ft	Invert: 1.49 ft
From Node:	NCL0870	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL0850	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	293.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: RCL0890		Upstream	Downstream
Scenario:	Existing	Invert: 2.31 ft	Invert: 2.09 ft
From Node:	NCL0890	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL0870	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	102.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RCL0910	Upstream	Downstream
Scenario: Existing	Invert: 5.03 ft	Invert: 4.98 ft
From Node: NCL0910	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0890	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 25.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL0930	Upstream	Downstream
Scenario: Existing	Invert: 2.85 ft	Invert: 2.09 ft
From Node: NCL0930	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0890	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 352.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL0930OW	Upstream	Downstream
Scenario: Existing	Invert: 9.87 ft	Invert: 9.86 ft

From Node:	NCL0930	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL0750	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL0930OW	Cross Section:	RCL0930OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RCL0950		Upstream	Downstream
Scenario:	Existing	Invert: 7.19 ft	Invert: 6.53 ft
From Node:	NCL0950	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL0770	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	677.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: RCL0950A		Upstream	Downstream
Scenario:	Existing	Invert: 4.27 ft	Invert: 3.35 ft
From Node:	NCL0950	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL0930	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	360.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RCL0950OW

Upstream

Downstream

Scenario:	Existing	Invert:	10.13 ft	Invert:	10.12 ft
From Node:	NCL0950	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL0930	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL0950OW	Cross Section:	RCL0950OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RCL0970

Upstream

Downstream

Scenario:	Existing	Invert:	5.86 ft	Invert:	4.77 ft
From Node:	NCL0970	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL0950	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	666.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL0970OW

Upstream

Downstream

Scenario:	Existing	Invert:	11.68 ft	Invert:	11.67 ft
From Node:	NCL0970	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL0950	Geometry:	Irregular	Geometry:	Irregular

Link Count:	1	Cross Section:	RCL0970OW	Cross Section:	RCL0970OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RCL0990	Upstream	Downstream
Scenario: Existing	Invert: 7.42 ft	Invert: 6.92 ft
From Node: NCL0990	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0970	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 339.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL0990OW	Upstream	Downstream
Scenario: Existing	Invert: 10.94 ft	Invert: 10.93 ft
From Node: NCL0990	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL0950	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL0990OW	Cross Section: RCL0990OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL1010	Upstream	Downstream
Scenario: Existing	Invert: 8.13 ft	Invert: 7.92 ft
From Node: NCL1010	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0990	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 160.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL1030	Upstream	Downstream
Scenario: Existing	Invert: 3.53 ft	Invert: 3.33 ft
From Node: NCL1030	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0870	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 44.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL1030OW	Upstream	Downstream
Scenario: Existing	Invert: 11.11 ft	Invert: 11.10 ft
From Node: NCL1030	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL0850	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL1030OW	Cross Section: RCL1030OW
Flow Direction: Both		

Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RCL1050	Upstream	Downstream
Scenario: Existing	Invert: 4.83 ft	Invert: 4.63 ft
From Node: NCL1050	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1030	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.30 ft	Max Depth: 2.30 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 93.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL1050OW	Upstream	Downstream
Scenario: Existing	Invert: 11.04 ft	Invert: 11.03 ft
From Node: NCL1050	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL0930	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL1050OW	Cross Section: RCL1050OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL1070		Upstream	Downstream
Scenario:	Existing	Invert: 5.63 ft	Invert: 3.75 ft
From Node:	NCL1070	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL1030	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	369.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Weir Link: RCL1090			
Scenario:	Existing	Bottom Clip	
From Node:	NCL1090	Default:	0.00 ft
To Node:	NCL1070	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	11.63 ft	Discharge Coefficients	
Control Elevation:	11.63 ft	Weir Default:	3.200
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	15.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Weir Link: RCL1090A		
Scenario:	Existing	Bottom Clip
From Node:	NCL1090	Default: 0.00 ft
To Node:	NCL1070	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	9.50 ft	Discharge Coefficients
Control Elevation:	9.50 ft	Weir Default: 3.200
Max Depth:	11.63 ft	Weir Table:

Max Width: 3.00 ft
Fillet: 0.00 ft

Orifice Default: 0.600
Orifice Table:

Comment:

Channel Link: RCL1090OW	Upstream	Downstream
Scenario: Existing	Invert: 7.91 ft	Invert: 7.90 ft
From Node: NCL1090	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL1150	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL1090OW	Cross Section: RCL1090OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL1110	Upstream	Downstream
Scenario: Existing	Invert: 4.63 ft	Invert: 4.03 ft
From Node: NCL1110	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1030	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 602.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL1110OW	Upstream	Downstream
Scenario: Existing	Invert: 11.38 ft	Invert: 11.37 ft
From Node: NCL1130	Manning's N: 0.0000	Manning's N: 0.0000

To Node:	NCL1110	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL1110OW	Cross Section: RCL1110OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RCL1130	Upstream	Downstream
Scenario: Existing	Invert: 4.93 ft	Invert: 3.53 ft
From Node: NCL1130	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1110	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 338.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RCL1130OW	Upstream	Downstream
Scenario: Existing	Invert: 7.86 ft	Invert: 7.85 ft
From Node: NCL1130	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL1150	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL1130OW	Cross Section: RCL1130OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		

Energy Switch: Energy

Comment:

Pipe Link: RCL1150	Upstream	Downstream
Scenario: Existing	Invert: 1.13 ft	Invert: -0.22 ft
From Node: NCL1150	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0830	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 6.00 ft	Max Depth: 6.00 ft
Flow Direction: Both	Max Width: 8.00 ft	Max Width: 8.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 677.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.20	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL1150OW	Upstream	Downstream
Scenario: Existing	Invert: 9.10 ft	Invert: 9.09 ft
From Node: NCL1150	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1070	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL1150OW	Cross Section: RCL1150OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL1170	Upstream	Downstream
Scenario: Existing	Invert: 1.96 ft	Invert: 1.13 ft
From Node: NCL1170	Manning's N: 0.0120	Manning's N: 0.0120

To Node:	NCL1150	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 6.00 ft	Max Depth: 6.00 ft
Flow Direction:	Both	Max Width: 8.00 ft	Max Width: 8.00 ft
Damping:	0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	663.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.00	Op Table:	Op Table:
Exit Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip	
Energy Switch:	Energy	Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: RCL1190	Upstream	Downstream
Scenario: Existing	Invert: 3.50 ft	Invert: 2.40 ft
From Node: NCL1190	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1170	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 332.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RCL1210	Upstream	Downstream
Scenario: Existing	Invert: 5.41 ft	Invert: 5.31 ft
From Node: NCL1210	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1190	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 64.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft

Bend Location: 0.00 dec
Energy Switch: Energy

Op Table:
Ref Node:
Manning's N: 0.0000

Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RCL1210OW

Upstream

Downstream

Scenario: Existing
From Node: NCL1210
To Node: NCL1350
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 9.51 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RCL1210OW

Invert: 9.50 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RCL1210OW

Comment:

Pipe Link: RCL1230

Upstream

Downstream

Scenario: Existing
From Node: NCL1230
To Node: NCL1190
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 280.00 ft
FHWA Code: 0
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 4.30 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 4.50 ft
Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Invert: 3.50 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 4.50 ft
Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: RCL1250

Upstream

Downstream

Scenario: Existing
From Node: NCL1250

Invert: 4.78 ft
Manning's N: 0.0120

Invert: 4.30 ft
Manning's N: 0.0120

To Node:	NCL1230	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	165.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link:	RCL1270	Upstream		Downstream	
Scenario:	Existing	Invert:	5.44 ft	Invert:	4.78 ft
From Node:	NCL1270	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL1250	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	190.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link:	RCL1270OW	Upstream		Downstream	
Scenario:	Existing	Invert:	10.94 ft	Invert:	10.93 ft
From Node:	NCL1270	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL1410	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL1270OW	Cross Section:	RCL1270OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				

Energy Switch: Energy

Comment:

Pipe Link: RCL1290	Upstream	Downstream
Scenario: Existing	Invert: 8.63 ft	Invert: 7.44 ft
From Node: NCL1290	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1270	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 292.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL1290OW	Upstream	Downstream
Scenario: Existing	Invert: 12.37 ft	Invert: 12.36 ft
From Node: NCL1290	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL1270	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL1290OW	Cross Section: RCL1290OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL1310	Upstream	Downstream
Scenario: Existing	Invert: 10.22 ft	Invert: 9.13 ft
From Node: NCL1310	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1290	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft

Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	260.00 ft	Op Table:	
FHWA Code:	0	Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000
Comment:			

Channel Link:	RCL1310OW	Upstream	Downstream
Scenario:	Existing	Invert:	14.06 ft
From Node:	NCL1310	Manning's N:	0.0000
To Node:	NCL1290	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL1310OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link:	RCL1330	Upstream	Downstream
Scenario:	Existing	Invert:	3.03 ft
From Node:	NCL1330	Manning's N:	0.0120
To Node:	NCL1170	Geometry:	Circular
Link Count:	1	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	17.00 ft	Op Table:	
FHWA Code:	0	Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000
Comment:			

Channel Link: RCL1330AOW		Upstream	Downstream
Scenario:	Existing	Invert: 8.31 ft	Invert: 8.30 ft
From Node:	NCL1330	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL1170	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL1330AOW	Cross Section: RCL1330AOW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: RCL1330OW		Upstream	Downstream
Scenario:	Existing	Invert: 9.60 ft	Invert: 9.59 ft
From Node:	NCL1330	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL1150	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL1330OW	Cross Section: RCL1330OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RCL1350		Upstream	Downstream
Scenario:	Existing	Invert: 5.93 ft	Invert: 3.03 ft
From Node:	NCL1350	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL1330	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	557.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL1350OW		Upstream	Downstream
Scenario:	Existing	Invert:	8.94 ft
From Node:	NCL1350	Manning's N:	0.0000
To Node:	NCL1330	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL1350OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RCL1370		Upstream	Downstream
Scenario:	Existing	Invert:	6.03 ft
From Node:	NCL1370	Manning's N:	0.0120
To Node:	NCL1350	Geometry:	Circular
Link Count:	1	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	15.00 ft	Op Table:	
FHWA Code:	0	Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000

Comment:

Channel Link: RCL1370OW		Upstream	Downstream
Scenario:	Existing	Invert:	9.94 ft

From Node:	NCL1370	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL1350	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL1370OW	Cross Section:	RCL1370OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RCL1390	Upstream	Downstream
Scenario: Existing	Invert: 6.13 ft	Invert: 6.03 ft
From Node: NCL1390	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1370	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 92.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RCL1410	Upstream	Downstream
Scenario: Existing	Invert: 4.93 ft	Invert: 4.83 ft
From Node: NCL1410	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1390	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 20.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RCL1410OW

Upstream

Downstream

Scenario: Existing
From Node: NCL1410
To Node: NCL1390
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 10.47 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RCL1410OW

Invert: 10.46 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RCL1410OW

Comment:

Pipe Link: RCL1430

Upstream

Downstream

Scenario: Existing
From Node: NCL1430
To Node: NCL1170
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 325.00 ft
FHWA Code: 0
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 2.32 ft
Manning's N: 0.0120
Geometry: Rectangular
Max Depth: 6.00 ft
Max Width: 8.00 ft
Fillet: 0.00 ft

Invert: 1.96 ft
Manning's N: 0.0120
Geometry: Rectangular
Max Depth: 6.00 ft
Max Width: 8.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RCL1430AOW

Upstream

Downstream

Scenario: Existing

Invert: 9.70 ft

Invert: 9.69 ft

From Node:	NCL1430	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL1170	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL1430AOW	Cross Section:	RCL1430AOW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: RCL1430OW		Upstream		Downstream	
Scenario:	Existing	Invert:	8.80 ft	Invert:	8.79 ft
From Node:	NCL1430	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL1350	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	RCL1430OW	Cross Section:	RCL1430OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RCL1450		Upstream		Downstream	
Scenario:	Existing	Invert:	2.67 ft	Invert:	2.32 ft
From Node:	NCL1450	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL1430	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	6.00 ft	Max Depth:	6.00 ft
Flow Direction:	Both	Max Width:	8.00 ft	Max Width:	8.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	325.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			

Energy Switch: Energy

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RCL1450OW

Upstream

Downstream

Scenario: Existing
From Node: NCL1450
To Node: NCL1430
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 14.07 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RCL1450OW

Invert: 14.06 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RCL1450OW

Comment:

Pipe Link: RCL1470

Upstream

Downstream

Scenario: Existing
From Node: NCL1470
To Node: NCL1450
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 231.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 4.01 ft
Manning's N: 0.0120
Geometry: Horizontal Ellipse
Max Depth: 5.25 ft

Invert: 3.67 ft
Manning's N: 0.0120
Geometry: Horizontal Ellipse
Max Depth: 5.25 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: RCL1490

Upstream

Downstream

Scenario: Existing

Invert: 13.63 ft

Invert: 13.13 ft

From Node:	NCL1490	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL1470	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	175.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL1490OW		Upstream	Downstream
Scenario:	Existing	Invert: 16.74 ft	Invert: 16.73 ft
From Node:	NCL1490	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL1610	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL1490OW	Cross Section: RCL1490OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RCL1510		Upstream	Downstream
Scenario:	Existing	Invert: 4.33 ft	Invert: 4.23 ft
From Node:	NCL1510	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL1450	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	12.00 ft	Op Table:	
FHWA Code:	0	Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RCL1510OW

Upstream

Downstream

Scenario: Existing
 From Node: NCL1530
 To Node: NCL1510
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 12.18 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RCL1510OW

Invert: 12.17 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RCL1510OW

Comment:

Pipe Link: RCL1530

Upstream

Downstream

Scenario: Existing
 From Node: NCL1530
 To Node: NCL1510
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 272.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 6.73 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 3.00 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Invert: 5.73 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 3.00 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: RCL1530OW

Upstream

Downstream

Scenario: Existing
 From Node: NCL1530
 To Node: NCL1430

Invert: 12.00 ft
 Manning's N: 0.0000
 Geometry: Irregular

Invert: 11.99 ft
 Manning's N: 0.0000
 Geometry: Irregular

Link Count:	1	Cross Section:	RCL1530OW	Cross Section:	RCL1530OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RCL1550	Upstream	Downstream
Scenario: Existing	Invert: 8.09 ft	Invert: 6.73 ft
From Node: NCL1550	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1530	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 195.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL1570	Upstream	Downstream
Scenario: Existing	Invert: 8.76 ft	Invert: 8.42 ft
From Node: NCL1570	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1550	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 67.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RCL1590

Scenario:	Existing	Bottom Clip
From Node:	NCL1590	Default: 0.00 ft
To Node:	NCL1570	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	13.56 ft	Discharge Coefficients
Control Elevation:	13.56 ft	Weir Default: 3.200
Max Depth:	9999.00 ft	Weir Table:
Max Width:	10.16 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Channel Link: RCL1590OW

	Upstream	Downstream
Scenario:	Existing	Invert: 14.79 ft
From Node:	NCL1590	Invert: 14.78 ft
To Node:	NCL1530	Manning's N: 0.0000
Link Count:	1	Manning's N: 0.0000
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Geometry: Irregular
Length:	33.00 ft	Cross Section: RCL1590OW
Contraction Coef:	0.00	Cross Section: RCL1590OW
Expansion Coef:	0.00	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	

Comment:

Pipe Link: RCL1610

	Upstream	Downstream
Scenario:	Existing	Invert: 10.56 ft
From Node:	NCL1610	Invert: 9.16 ft
To Node:	NCL1570	Manning's N: 0.0120
Link Count:	1	Manning's N: 0.0120
Flow Direction:	Both	Geometry: Circular
Damping:	0.0000 ft	Geometry: Circular
	Max Depth: 1.25 ft	Max Depth: 1.25 ft
	Bottom Clip	
	Default: 0.00 ft	Default: 0.00 ft

Length:	55.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N:	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default:	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N:	Manning's N: 0.0000
Comment:			

Channel Link:	RCL1610OW	Upstream	Downstream
Scenario:	Existing	Invert:	Invert: 15.65 ft
From Node:	NCL1610	Manning's N:	Manning's N: 0.0000
To Node:	NCL1630	Geometry:	Geometry: Irregular
Link Count:	1	Cross Section:	Cross Section: RCL1610OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link:	RCL1630	Upstream	Downstream
Scenario:	Existing	Invert:	Invert: 8.33 ft
From Node:	NCL1630	Manning's N:	Manning's N: 0.0120
To Node:	NCL1550	Geometry:	Geometry: Circular
Link Count:	1	Max Depth:	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	Default: 0.00 ft
Length:	173.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N:	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default:	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N:	Manning's N: 0.0000
Comment:			

Channel Link: RCL1630OW		Upstream	Downstream
Scenario:	Existing	Invert: 13.03 ft	Invert: 13.02 ft
From Node:	NCL1630	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL1530	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL1630OW	Cross Section: RCL1630OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RCL1650		Upstream	Downstream
Scenario:	Existing	Invert: 8.43 ft	Invert: 8.33 ft
From Node:	NCL1650	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL1630	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	16.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RCL1650OW		Upstream	Downstream
Scenario:	Existing	Invert: 13.37 ft	Invert: 13.36 ft
From Node:	NCL1650	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL1370	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL1650OW	Cross Section: RCL1650OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RCL1670	Upstream	Downstream
Scenario: Existing	Invert: 9.13 ft	Invert: 8.93 ft
From Node: NCL1670	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1650	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 95.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL1670OW	Upstream	Downstream
Scenario: Existing	Invert: 13.01 ft	Invert: 13.00 ft
From Node: NCL1670	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL1370	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL1670OW	Cross Section: RCL1670OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL1690	Upstream	Downstream
Scenario: Existing	Invert: 12.43 ft	Invert: 8.93 ft

From Node: NCL1690
To Node: NCL1650
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 593.00 ft
FHWA Code: 0
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Manning's N: 0.0120

Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 2.50 ft

Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: RCL1690OW

Upstream

Downstream

Scenario: Existing

Invert: 16.82 ft

Invert: 16.81 ft

From Node: NCL1690

Manning's N: 0.0000

Manning's N: 0.0000

To Node: NCL1650

Geometry: Irregular

Geometry: Irregular

Link Count: 1

Cross Section: RCL1690OW

Cross Section: RCL1690OW

Flow Direction: Both

Damping: 0.0000 ft

Length: 33.00 ft

Contraction Coef: 0.00

Expansion Coef: 0.00

Entr Loss Coef: 0.00

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Pipe Link: RCL1710

Upstream

Downstream

Scenario: Existing

Invert: 12.53 ft

Invert: 12.43 ft

From Node: NCL1710

Manning's N: 0.0120

Manning's N: 0.0120

To Node: NCL1690

Geometry: Circular

Geometry: Circular

Link Count: 1

Max Depth: 2.50 ft

Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RCL1710OW

Upstream

Downstream

Scenario: Existing
 From Node: NCL1710
 To Node: NCL1690
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 17.69 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RCL1710OW

Invert: 17.68 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RCL1710OW

Comment:

Pipe Link: RCL1730

Upstream

Downstream

Scenario: Existing
 From Node: NCL1730
 To Node: NCL1710
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 78.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 12.63 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 2.50 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Invert: 12.53 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 2.50 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: RCL1730OW

Upstream

Downstream

Scenario: Existing
 From Node: NCL1730
 To Node: NCL1670

Invert: 18.01 ft
 Manning's N: 0.0000
 Geometry: Irregular

Invert: 18.00 ft
 Manning's N: 0.0000
 Geometry: Irregular

Link Count: 1 Cross Section: RCL1730OW Cross Section: RCL1730OW
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RCL1750	Upstream	Downstream
Scenario: Existing	Invert: 12.73 ft	Invert: 12.63 ft
From Node: NCL1750	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1730	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 27.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL1770	Upstream	Downstream
Scenario: Existing	Invert: 13.13 ft	Invert: 12.93 ft
From Node: NCL1770	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1750	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 44.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL1770OW

	Upstream	Downstream
Scenario: Existing	Invert: 17.24 ft	Invert: 17.23 ft
From Node: NCL1770	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL1670	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL1770OW	Cross Section: RCL1770OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL1790

	Upstream	Downstream
Scenario: Existing	Invert: 4.59 ft	Invert: 4.01 ft
From Node: NCL1790	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1470	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 5.25 ft	Max Depth: 5.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 630.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL1810

	Upstream	Downstream
Scenario: Existing	Invert: 13.35 ft	Invert: 12.09 ft
From Node: NCL1810	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1790	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	342.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL1810OW

	Upstream	Downstream
Scenario:	Existing	Invert: 17.41 ft
From Node:	NCL1810	Manning's N: 0.0000
To Node:	NCL1450	Geometry: Irregular
Link Count:	1	Cross Section: RCL1810OW
Flow Direction:	Both	
Damping:	0.0000 ft	
Length:	33.00 ft	
Contraction Coef:	0.00	
Expansion Coef:	0.00	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	

Comment:

Pipe Link: RCL1830

	Upstream	Downstream
Scenario:	Existing	Invert: 5.65 ft
From Node:	NCL1830	Manning's N: 0.0120
To Node:	NCL1790	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 5.25 ft
Flow Direction:	Both	Bottom Clip
Damping:	0.0000 ft	Default: 0.00 ft
Length:	697.00 ft	Op Table:
FHWA Code:	0	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip
Bend Loss Coef:	0.00	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:
Energy Switch:	Energy	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL1830OW		Upstream	Downstream
Scenario:	Existing	Invert: 19.01 ft	Invert: 19.00 ft
From Node:	NCL1830	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL2030	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL1830OW	Cross Section: RCL1830OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RCL1850		Upstream	Downstream
Scenario:	Existing	Invert: 6.83 ft	Invert: 6.03 ft
From Node:	NCL1850	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL1830	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	20.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: RCL1870		Upstream	Downstream
Scenario:	Existing	Invert: 9.23 ft	Invert: 6.83 ft
From Node:	NCL1870	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL1850	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	253.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.10	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.10	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RCL1890	Upstream	Downstream
Scenario: Existing	Invert: 9.33 ft	Invert: 9.23 ft
From Node: NCL1890	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1870	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 75.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL1910	Upstream	Downstream
Scenario: Existing	Invert: 16.63 ft	Invert: 16.62 ft
From Node: NCL1910	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1890	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 27.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RCL1930

Scenario: Existing

Bottom Clip

From Node: NCL1930
 To Node: NCL1910
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 19.93 ft
 Control Elevation: 19.93 ft
 Max Depth: 833.25 ft
 Max Width: 12.00 ft
 Fillet: 0.00 ft

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Channel Link: RCL1930OW

Upstream

Downstream

Scenario: Existing
 From Node: NCL1930
 To Node: NCL2030
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 19.06 ft

Invert: 19.05 ft

Manning's N: 0.0000

Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: RCL1930OW

Cross Section: RCL1930OW

Comment:

Pipe Link: RCL1950

Upstream

Downstream

Scenario: Existing
 From Node: NCL1950
 To Node: NCL1910
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 188.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec

Invert: 17.77 ft

Invert: 16.63 ft

Manning's N: 0.0120

Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 0.83 ft

Max Depth: 0.83 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Weir Link: RCL1970

Scenario: Existing
 From Node: NCL1970
 To Node: NCL1950
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 22.13 ft
 Control Elevation: 22.13 ft
 Max Depth: 22.79 ft
 Max Width: 2.50 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: RCL1970A

Scenario: Existing
 From Node: NCL1970
 To Node: NCL1950
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 23.83 ft
 Control Elevation: 23.83 ft
 Max Depth: 9999.00 ft
 Max Width: 12.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Channel Link: RCL1970OW

Scenario: Existing
 From Node: NCL1970
 To Node: NCL1930
 Link Count: 1
 Flow Direction: Both

Upstream

Invert: 21.45 ft

Manning's N: 0.0000

Geometry: Irregular

Cross Section: RCL1970OW

Downstream

Invert: 21.44 ft

Manning's N: 0.0000

Geometry: Irregular

Cross Section: RCL1970OW

Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RCL1990	Upstream	Downstream
Scenario: Existing	Invert: 12.23 ft	Invert: 9.33 ft
From Node: NCL1990	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1890	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 243.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL2010	Upstream	Downstream
Scenario: Existing	Invert: 11.44 ft	Invert: 11.23 ft
From Node: NCL2010	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1990	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 62.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL2030		Upstream	Downstream
Scenario:	Existing	Invert: 13.67 ft	Invert: 12.21 ft
From Node:	NCL2030	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL2010	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	270.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: RCL2050		Upstream	Downstream
Scenario:	Existing	Invert: 11.63 ft	Invert: 11.23 ft
From Node:	NCL2050	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL2010	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	210.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: RCL2070		Upstream	Downstream
Scenario:	Existing	Invert: 14.90 ft	Invert: 14.13 ft
From Node:	NCL2070	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL2050	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	50.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL2070OW		Upstream	Downstream
Scenario: Existing		Invert: 18.90 ft	Invert: 18.89 ft
From Node: NCL2070		Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL2030		Geometry: Irregular	Geometry: Irregular
Link Count: 1		Cross Section: RCL2070OW	Cross Section: RCL2070OW
Flow Direction: Both			
Damping: 0.0000 ft			
Length: 33.00 ft			
Contraction Coef: 0.00			
Expansion Coef: 0.00			
Entr Loss Coef: 0.00			
Exit Loss Coef: 0.00			
Bend Loss Coef: 0.00			
Bend Location: 0.00 dec			
Energy Switch: Energy			

Comment:

Pipe Link: RCL2090		Upstream	Downstream
Scenario: Existing		Invert: 12.13 ft	Invert: 11.63 ft
From Node: NCL2090		Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2050		Geometry: Circular	Geometry: Circular
Link Count: 1		Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both		Bottom Clip	
Damping: 0.0000 ft		Default: 0.00 ft	Default: 0.00 ft
Length: 394.00 ft		Op Table:	Op Table:
FHWA Code: 0		Ref Node:	Ref Node:
Entr Loss Coef: 0.00		Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00		Top Clip	
Bend Loss Coef: 0.00		Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec		Op Table:	Op Table:
Energy Switch: Energy		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL2110		Upstream	Downstream
Scenario: Existing		Invert: 12.63 ft	Invert: 12.13 ft

From Node:	NCL2110	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL2090	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	60.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL2110OW		Upstream		Downstream	
Scenario:	Existing	Invert:	19.77 ft	Invert:	19.76 ft
From Node:	NCL2110	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL2170	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	RCL2110OW	Cross Section:	RCL2110OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RCL2130		Upstream		Downstream	
Scenario:	Existing	Invert:	12.43 ft	Invert:	12.13 ft
From Node:	NCL2130	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL2090	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	210.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RCL2130OW

Upstream

Downstream

Scenario: Existing
 From Node: NCL2130
 To Node: NCL2170
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 18.92 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RCL2130OW

Invert: 18.91 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RCL2130OW

Comment:

Pipe Link: RCL2150

Upstream

Downstream

Scenario: Existing
 From Node: NCL2150
 To Node: NCL2130
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 720.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.20
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 13.13 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 2.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Invert: 12.43 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 2.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: RCL2150OW

Upstream

Downstream

Scenario: Existing
 From Node: NCL2150
 To Node: NCL2130

Invert: 20.03 ft
 Manning's N: 0.0000
 Geometry: Irregular

Invert: 20.02 ft
 Manning's N: 0.0000
 Geometry: Irregular

Link Count:	1	Cross Section:	RCL2150OW	Cross Section:	RCL2150OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RCL2170	Upstream	Downstream
Scenario: Existing	Invert: 11.23 ft	Invert: 11.08 ft
From Node: NCL2170	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1990	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 47.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL2170OW	Upstream	Downstream
Scenario: Existing	Invert: 18.81 ft	Invert: 18.80 ft
From Node: NCL2170	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL1730	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL2170OW	Cross Section: RCL2170OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL2230	Upstream	Downstream
Scenario: Existing	Invert: 6.63 ft	Invert: 5.65 ft
From Node: NCL2230	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1830	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 5.25 ft	Max Depth: 5.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 715.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL2230OW	Upstream	Downstream
Scenario: Existing	Invert: 18.47 ft	Invert: 18.46 ft
From Node: NCL2230	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1770	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL2230OW	Cross Section: RCL2230OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL2250	Upstream	Downstream
Scenario: Existing	Invert: 7.13 ft	Invert: 6.63 ft
From Node: NCL2250	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2230	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 5.25 ft	Max Depth: 5.25 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	597.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RCL2270	Upstream	Downstream
Scenario: Existing	Invert: 10.43 ft	Invert: 7.13 ft
From Node: NCL2270	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2250	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 641.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL2270OW	Upstream	Downstream
Scenario: Existing	Invert: 19.62 ft	Invert: 19.61 ft
From Node: NCL2270	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL2930	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL2270OW	Cross Section: RCL2270OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL2290	Upstream	Downstream
Scenario: Existing	Invert: 14.83 ft	Invert: 11.43 ft
From Node: NCL2290	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2270	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 371.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RCL2290OW	Upstream	Downstream
Scenario: Existing	Invert: 19.30 ft	Invert: 19.29 ft
From Node: NCL2290	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL2170	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL2290OW	Cross Section: RCL2290OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Pipe Link: RCL2310	Upstream	Downstream
Scenario: Existing	Invert: 10.73 ft	Invert: 10.43 ft
From Node: NCL2310	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2270	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 180.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL2330	Upstream	Downstream
Scenario: Existing	Invert: 11.23 ft	Invert: 10.73 ft
From Node: NCL2330	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2310	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 460.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL2330OW	Upstream	Downstream
Scenario: Existing	Invert: 20.06 ft	Invert: 20.05 ft
From Node: NCL2330	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL2270	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL2330OW	Cross Section: RCL2330OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL2350	Upstream	Downstream
Scenario: Existing	Invert: 12.53 ft	Invert: 11.23 ft

From Node:	NCL2350	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL2330	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	397.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link:	RCL2370	Upstream		Downstream	
Scenario:	Existing	Invert:	12.63 ft	Invert:	12.53 ft
From Node:	NCL2370	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL2350	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	251.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link:	RCL2390	Upstream		Downstream	
Scenario:	Existing	Invert:	14.43 ft	Invert:	12.63 ft
From Node:	NCL2390	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL2370	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	426.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RCL2390OW

Upstream

Downstream

Scenario: Existing
 From Node: NCL2390
 To Node: NCL2330
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 20.11 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RCL2390OW

Invert: 20.10 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RCL2390OW

Comment:

Pipe Link: RCL2410

Upstream

Downstream

Scenario: Existing
 From Node: NCL2410
 To Node: NCL2390
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 295.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 14.58 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 3.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Invert: 14.43 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 3.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: RCL2410OW

Upstream

Downstream

Scenario: Existing
 From Node: NCL2410
 To Node: NCL2390

Invert: 20.86 ft
 Manning's N: 0.0000
 Geometry: Irregular

Invert: 20.85 ft
 Manning's N: 0.0000
 Geometry: Irregular

Link Count:	1	Cross Section:	RCL2410OW	Cross Section:	RCL2410OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RCL2430	Upstream	Downstream
Scenario: Existing	Invert: 14.74 ft	Invert: 14.58 ft
From Node: NCL2430	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2410	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 334.57 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL2450	Upstream	Downstream
Scenario: Existing	Invert: 17.64 ft	Invert: 16.95 ft
From Node: NCL2450	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2430	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 58.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Added per ERP 2903

Weir Link: RCL2470

Scenario:	Existing	Bottom Clip
From Node:	NCL2470	Default: 0.00 ft
To Node:	NCL2450	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	19.98 ft	Discharge Coefficients
Control Elevation:	19.98 ft	Weir Default: 3.200
Max Depth:	2.16 ft	Weir Table:
Max Width:	2.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment: Added per ERP 2903

Weir Link: RCL2470B

Scenario:	Existing	Bottom Clip
From Node:	NCL2470	Default: 0.00 ft
To Node:	NCL2450	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	22.14 ft	Discharge Coefficients
Control Elevation:	22.14 ft	Weir Default: 3.200
Max Depth:	9999.00 ft	Weir Table:
Max Width:	10.17 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment: Added per ERP 2903

Weir Link: RCL2470C

Scenario:	Existing	Bottom Clip
From Node:	STORAGE5	Default: 0.00 ft
To Node:	NCL2470	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:

Geometry Type: Rectangular
 Invert: 19.14 ft
 Control Elevation: 19.14 ft
 Max Depth: 3.69 ft
 Max Width: 136.00 ft
 Fillet: 0.00 ft

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: WEIR TO CONNECT TO UNDERGROUND VAULT STORAGE

Channel Link: RCL2470OW

Upstream

Downstream

Scenario: Existing
 From Node: NCL2470
 To Node: NCL2390
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 20.00 ft

Invert: 19.99 ft

Manning's N: 0.0000

Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: RCL2470OW

Cross Section: RCL2470OW

Comment:

Pipe Link: RCL2490

Upstream

Downstream

Scenario: Existing
 From Node: NCL2490
 To Node: NCL2430
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 333.67 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 14.90 ft

Invert: 14.74 ft

Manning's N: 0.0120

Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 3.00 ft

Max Depth: 3.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL2510		Upstream	Downstream
Scenario:	Existing	Invert: 15.09 ft	Invert: 14.90 ft
From Node:	NCL2510	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL2490	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	392.26 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, DM Model			

Pipe Link: RCL2530		Upstream	Downstream
Scenario:	Existing	Invert: 15.22 ft	Invert: 15.09 ft
From Node:	NCL2530	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL2510	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	275.73 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, DM Model			

Pipe Link: RCL2550		Upstream	Downstream
Scenario:	Existing	Invert: 15.38 ft	Invert: 15.22 ft
From Node:	NCL2550	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL2530	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	324.95 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL2570	Upstream	Downstream
Scenario: Existing	Invert: 15.54 ft	Invert: 15.38 ft
From Node: NCL2570	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2550	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 331.29 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL2580	Upstream	Downstream
Scenario: Existing	Invert: 16.46 ft	Invert: 15.54 ft
From Node: NCL2580	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2570	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 29.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RCL2590	Upstream	Downstream
Scenario: Existing	Invert: 15.72 ft	Invert: 15.54 ft

From Node:	NCL2590	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL2570	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	371.47 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory, DM Model

Pipe Link:	RCL2610	Upstream		Downstream	
Scenario:	Existing	Invert:	15.92 ft	Invert:	15.72 ft
From Node:	NCL2610	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL2590	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	454.09 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory, DM Model

Pipe Link:	RCL2630	Upstream		Downstream	
Scenario:	Existing	Invert:	15.87 ft	Invert:	15.92 ft
From Node:	NCL2630	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL2610	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	392.39 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL2631	Upstream	Downstream
Scenario: Existing	Invert: 14.93 ft	Invert: 14.60 ft
From Node: NCL2631	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3635	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 68.57 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Updated per ERP 847046

Pipe Link: RCL2650	Upstream	Downstream
Scenario: Existing	Invert: 15.67 ft	Invert: 14.43 ft
From Node: NCL2650	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2390	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 500.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL2650OW	Upstream	Downstream
Scenario: Existing	Invert: 20.64 ft	Invert: 20.63 ft
From Node: NCL2650	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL2390	Geometry: Irregular	Geometry: Irregular

Link Count:	1	Cross Section:	RCL2650OW	Cross Section:	RCL2650OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RCL2670	Upstream	Downstream
Scenario: Existing	Invert: 16.43 ft	Invert: 15.67 ft
From Node: NCL2670	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2650	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 456.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL2670OW	Upstream	Downstream
Scenario: Existing	Invert: 21.31 ft	Invert: 21.30 ft
From Node: NCL2670	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL2650	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL2670OW	Cross Section: RCL2670OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL2690	Upstream	Downstream
Scenario: Existing	Invert: 16.60 ft	Invert: 16.43 ft
From Node: NCL2690	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2670	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 306.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL2690OW	Upstream	Downstream
Scenario: Existing	Invert: 21.23 ft	Invert: 21.22 ft
From Node: NCL2690	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL2670	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL2690OW	Cross Section: RCL2690OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL2710	Upstream	Downstream
Scenario: Existing	Invert: 16.77 ft	Invert: 16.60 ft
From Node: NCL2710	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2690	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	310.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL2710OW

	Upstream	Downstream
Scenario:	Existing	Invert: 21.33 ft
From Node:	NCL2710	Manning's N: 0.0000
To Node:	NCL2690	Manning's N: 0.0000
Link Count:	1	Geometry: Irregular
Flow Direction:	Both	Cross Section: RCL2710OW
Damping:	0.0000 ft	
Length:	33.00 ft	
Contraction Coef:	0.00	
Expansion Coef:	0.00	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	

Comment:

Pipe Link: RCL2730

	Upstream	Downstream
Scenario:	Existing	Invert: 17.00 ft
From Node:	NCL2730	Manning's N: 0.0120
To Node:	NCL2710	Manning's N: 0.0120
Link Count:	1	Geometry: Circular
Flow Direction:	Both	Max Depth: 3.00 ft
Damping:	0.0000 ft	Bottom Clip
Length:	406.00 ft	Default: 0.00 ft
FHWA Code:	0	Op Table:
Entr Loss Coef:	0.00	Ref Node:
Exit Loss Coef:	0.00	Manning's N: 0.0000
Bend Loss Coef:	0.00	Top Clip
Bend Location:	0.00 dec	Default: 0.00 ft
Energy Switch:	Energy	Op Table:
		Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL2730OW		Upstream	Downstream
Scenario:	Existing	Invert: 21.56 ft	Invert: 21.55 ft
From Node:	NCL2730	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL2710	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL2730OW	Cross Section: RCL2730OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RCL2750		Upstream	Downstream
Scenario:	Existing	Invert: 17.18 ft	Invert: 17.00 ft
From Node:	NCL2750	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL2730	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	326.31 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL2770		Upstream	Downstream
Scenario:	Existing	Invert: 17.39 ft	Invert: 17.18 ft
From Node:	NCL2770	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL2750	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	362.56 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL2780

	Upstream	Downstream
Scenario: Existing	Invert: 18.09 ft	Invert: 18.01 ft
From Node: NCL2780	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2770	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 28.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RCL2790

	Upstream	Downstream
Scenario: Existing	Invert: 17.54 ft	Invert: 17.39 ft
From Node: NCL2790	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2770	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 259.50 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL2810

	Upstream	Downstream
Scenario: Existing	Invert: 17.74 ft	Invert: 17.54 ft

From Node:	NCL2810	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL2790	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	368.94 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory, DM Model

Pipe Link: RCL2830	Upstream	Downstream
Scenario: Existing	Invert: 17.93 ft	Invert: 17.74 ft
From Node: NCL2830	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2810	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 328.71 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.50	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL2830B	Upstream	Downstream
Scenario: Existing	Invert: 20.06 ft	Invert: 17.88 ft
From Node: NCL2830	Manning's N: 0.0120	Manning's N: 0.0120
To Node: Outfall_NE	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 218.60 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL2835	Upstream	Downstream
Scenario: Existing	Invert: 19.79 ft	Invert: 18.53 ft
From Node: NCL2835	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2830	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 420.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RCL2840	Upstream	Downstream
Scenario: Existing	Invert: 20.06 ft	Invert: 19.90 ft
From Node: NCL2840	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2835	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 55.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RCL2845	Upstream	Downstream
Scenario: Existing	Invert: 20.19 ft	Invert: 19.79 ft
From Node: NCL2845	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2835	Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	90.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory					

Pipe Link:	RCL2850	Upstream		Downstream	
Scenario:	Existing	Invert:	12.83 ft	Invert:	12.63 ft
From Node:	NCL2850	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL2370	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	320.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory, DM Model					

Pipe Link:	RCL2870	Upstream		Downstream	
Scenario:	Existing	Invert:	13.13 ft	Invert:	12.83 ft
From Node:	NCL2870	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL2850	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	357.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory

Pipe Link: RCL2890	Upstream	Downstream
Scenario: Existing	Invert: 14.74 ft	Invert: 13.13 ft
From Node: NCL2890	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2870	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 299.76 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model; US invert from Kennedy ERP

Pipe Link: RCL2910	Upstream	Downstream
Scenario: Existing	Invert: 14.91 ft	Invert: 14.50 ft
From Node: NCL2910	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2890	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 313.27 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Updated per ERP 847046

Pipe Link: RCL2930	Upstream	Downstream
Scenario: Existing	Invert: 7.40 ft	Invert: 7.38 ft
From Node: NCL2930	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2250	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 6.50 ft	Max Depth: 6.50 ft
Flow Direction: Both	Max Width: 4.75 ft	Max Width: 4.75 ft

Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	55.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL2930OW		Upstream		Downstream	
Scenario:	Existing	Invert:	19.04 ft	Invert:	19.03 ft
From Node:	NCL2930	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL2230	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	RCL2930OW	Cross Section:	RCL2930OW

Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Pipe Link: RCL2950		Upstream		Downstream	
Scenario:	Existing	Invert:	7.47 ft	Invert:	7.40 ft
From Node:	NCL2950	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL2930	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	5.40 ft	Max Depth:	5.40 ft

Flow Direction: Both
Damping: 0.0000 ft
Length: 573.00 ft
FHWA Code: 0
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL2950OW		Upstream	Downstream
Scenario:	Existing	Invert: 19.33 ft	Invert: 19.32 ft
From Node:	NCL2950	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL2930	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL2950OW	Cross Section: RCL2950OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RCL2970		Upstream	Downstream
Scenario:	Existing	Invert: 14.13 ft	Invert: 9.13 ft
From Node:	NCL2970	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL2950	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	450.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL2970OW		Upstream	Downstream
Scenario:	Existing	Invert: 19.52 ft	Invert: 19.51 ft
From Node:	NCL2970	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL2950	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL2970OW	Cross Section: RCL2970OW
Flow Direction:	Both		

Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RCL2990	Upstream	Downstream
Scenario: Existing	Invert: 7.92 ft	Invert: 7.47 ft
From Node: NCL2990	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2950	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 5.40 ft	Max Depth: 5.40 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 575.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL2990OW	Upstream	Downstream
Scenario: Existing	Invert: 19.35 ft	Invert: 19.34 ft
From Node: NCL2990	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1750	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL2990OW	Cross Section: RCL2990OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL3010		Upstream	Downstream
Scenario:	Existing	Invert: 8.26 ft	Invert: 7.92 ft
From Node:	NCL3010	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL2990	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 5.40 ft	Max Depth: 5.40 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	663.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: RCL3030		Upstream	Downstream
Scenario:	Existing	Invert: 8.58 ft	Invert: 8.26 ft
From Node:	NCL3030	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL3010	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 5.40 ft	Max Depth: 5.40 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	655.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: RCL3050		Upstream	Downstream
Scenario:	Existing	Invert: 10.64 ft	Invert: 10.11 ft
From Node:	NCL3050	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL3030	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	423.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL3050OW	Upstream	Downstream
Scenario: Existing	Invert: 19.26 ft	Invert: 19.25 ft
From Node: NCL3050	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3030	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL3050OW	Cross Section: RCL3050OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL3070	Upstream	Downstream
Scenario: Existing	Invert: 16.14 ft	Invert: 15.73 ft
From Node: NCL3070	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3050	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 289.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL3070OW	Upstream	Downstream
Scenario: Existing	Invert: 19.51 ft	Invert: 19.50 ft

From Node:	NCL3070	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL3050	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL3070OW	Cross Section:	RCL3070OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RCL3090		Upstream	Downstream
Scenario:	Existing	Invert: 8.92 ft	Invert: 8.58 ft
From Node:	NCL3090	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL3030	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 5.40 ft	Max Depth: 5.40 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	673.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RCL3090OW		Upstream	Downstream
Scenario:	Existing	Invert: 18.30 ft	Invert: 18.29 ft
From Node:	NCL3110	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL3090	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL3090OW	Cross Section: RCL3090OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Pipe Link: RCL3110	Upstream	Downstream
Scenario: Existing	Invert: 11.77 ft	Invert: 10.78 ft
From Node: NCL3110	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3090	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 448.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL3130	Upstream	Downstream
Scenario: Existing	Invert: 14.77 ft	Invert: 14.33 ft
From Node: NCL3130	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3110	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 10.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL3130OW	Upstream	Downstream
Scenario: Existing	Invert: 18.37 ft	Invert: 18.36 ft
From Node: NCL3130	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3110	Geometry: Irregular	Geometry: Irregular

Link Count:	1	Cross Section:	RCL3130OW	Cross Section:	RCL3130OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RCL3150	Upstream	Downstream
Scenario: Existing	Invert: 9.64 ft	Invert: 9.34 ft
From Node: NCL3150	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3090	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 4.83 ft	Max Depth: 4.83 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 670.86 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RCL3170	Upstream	Downstream
Scenario: Existing	Invert: 11.48 ft	Invert: 10.78 ft
From Node: NCL3170	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3150	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 407.47 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL3190	Upstream	Downstream
Scenario: Existing	Invert: 12.29 ft	Invert: 11.48 ft
From Node: NCL3190	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3170	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 452.43 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL3210	Upstream	Downstream
Scenario: Existing	Invert: 12.70 ft	Invert: 12.29 ft
From Node: NCL3210	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3190	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 212.21 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL3230	Upstream	Downstream
Scenario: Existing	Invert: 13.32 ft	Invert: 12.85 ft
From Node: NCL3230	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3210	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	252.59 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory, DM Model					

Pipe Link:	RCL3250	Upstream		Downstream	
Scenario:	Existing	Invert:	10.53 ft	Invert:	10.17 ft
From Node:	NCL3250	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL3150	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	4.42 ft	Max Depth:	4.42 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	650.74 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory, DM Model					

Pipe Link:	RCL3270	Upstream		Downstream	
Scenario:	Existing	Invert:	13.95 ft	Invert:	13.13 ft
From Node:	NCL3270	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL3250	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	409.82 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory, DM Model					

Pipe Link: RCL3280		Upstream	Downstream
Scenario:	Existing	Invert: 14.06 ft	Invert: 13.95 ft
From Node:	NCL3280	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL3270	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	53.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory			

Pipe Link: RCL3290		Upstream	Downstream
Scenario:	Existing	Invert: 14.83 ft	Invert: 14.06 ft
From Node:	NCL3290	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL3280	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	388.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory			

Pipe Link: RCL3300		Upstream	Downstream
Scenario:	Existing	Invert: 16.39 ft	Invert: 15.48 ft
From Node:	NCL3300	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL3290	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	303.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RCL3310

	Upstream	Downstream
Scenario: Existing	Invert: 17.14 ft	Invert: 16.38 ft
From Node: NCL3310	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3290	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 231.97 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Added per ERP 19405

Weir Link: RCL3330

Scenario: Existing	Bottom Clip
From Node: NCL3330	Default: 0.00 ft
To Node: NCL3310	Op Table:
Link Count: 1	Ref Node:
Flow Direction: Both	Top Clip
Damping: 0.0000 ft	Default: 0.00 ft
Weir Type: Sharp Crested Vertical	Op Table:
Geometry Type: Rectangular	Ref Node:
Invert: 19.14 ft	Discharge Coefficients
Control Elevation: 19.14 ft	Weir Default: 3.200
Max Depth: 1.50 ft	Weir Table:
Max Width: 0.11 ft	Orifice Default: 0.600
Fillet: 0.00 ft	Orifice Table:

Comment: UPDATED PER ERP 19405

Weir Link: RCL3330A

Scenario: Existing	Bottom Clip
From Node: NCL3330	Default: 0.00 ft

To Node: NCL3310
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 20.64 ft
 Control Elevation: 20.64 ft
 Max Depth: 9999.00 ft
 Max Width: 14.00 ft
 Fillet: 0.00 ft

Op Table:
 Ref Node:
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment: UPDATED PER ERP 19405

Pipe Link: RCL3330B

Scenario: Existing
 From Node: NCL3330
 To Node: NCL3310
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 5.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 17.14 ft
 Manning's N: 0.0100
 Geometry: Circular
 Max Depth: 0.50 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 17.14 ft
 Manning's N: 0.0100
 Geometry: Circular
 Max Depth: 0.50 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment: Added per ERP 19405

Weir Link: RCL3330C

Scenario: Existing
 From Node: NCL3330
 To Node: STORAGE1
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 18.14 ft
 Control Elevation: 18.14 ft
 Max Depth: 3.00 ft
 Max Width: 7.00 ft
 Fillet: 0.00 ft

Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment: SET WEIR TO BOTTOM OF STORAGE. SEE ERP 19405

Pipe Link: RCL3350	Upstream	Downstream
Scenario: Existing	Invert: 15.71 ft	Invert: 14.83 ft
From Node: NCL3350	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3290	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 441.13 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL3360	Upstream	Downstream
Scenario: Existing	Invert: 18.95 ft	Invert: 18.23 ft
From Node: NCL3360	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3230	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 241.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RCL3360B	Upstream	Downstream
Scenario: Existing	Invert: 19.25 ft	Invert: 19.25 ft
From Node: NCL3360	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3350	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	44.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory

Pipe Link: RCL3365	Upstream	Downstream
Scenario: Existing	Invert: 17.26 ft	Invert: 16.16 ft
From Node: NCL3365	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3350	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 366.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RCL3390	Upstream	Downstream
Scenario: Existing	Invert: 15.01 ft	Invert: 15.40 ft
From Node: NCL3390	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3370	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 591.37 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Updated per ERP 847046

Pipe Link: RCL3390B		Upstream	Downstream
Scenario:	Existing	Invert: 15.07 ft	Invert: 14.75 ft
From Node:	NCL3390	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL2910	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	121.03 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Updated per ERP 847046			

Pipe Link: RCL3410		Upstream	Downstream
Scenario:	Existing	Invert: 15.50 ft	Invert: 16.06 ft
From Node:	NCL3410	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL3390	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	36.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Updated per ERP 847046			

Weir Link: RCL3430		
Scenario:	Existing	Bottom Clip
From Node:	NCL3430	Default: 0.00 ft
To Node:	NCL3410	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	19.14 ft	Discharge Coefficients
Control Elevation:	19.14 ft	Weir Default: 3.200

Max Depth: 0.50 ft
 Max Width: 0.40 ft
 Fillet: 0.00 ft

Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment: Updated per ERP 21651

Weir Link: RCL3430A

Scenario: Existing
 From Node: NCL3430
 To Node: NCL3410
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 19.64 ft
 Control Elevation: 19.64 ft
 Max Depth: 9999.00 ft
 Max Width: 10.47 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Updated per ERP 21651

Pipe Link: RCL3450A

Scenario: Existing
 From Node: NCL3460
 To Node: NCL3250
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 679.82 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 11.13 ft

Manning's N: 0.0120

Geometry: Horizontal Ellipse

Max Depth: 4.00 ft

Downstream

Invert: 10.93 ft

Manning's N: 0.0120

Geometry: Horizontal Ellipse

Max Depth: 4.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Comment: Added per ERP 6550

Weir Link: RCL3460

Scenario: Existing
 From Node: NCL3450

Bottom Clip

Default: 0.00 ft

To Node: NCL3460
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 11.38 ft
 Control Elevation: 11.38 ft
 Max Depth: 4.75 ft
 Max Width: 7.33 ft
 Fillet: 0.00 ft

Op Table:
 Ref Node:
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment: Added per ERP 6550

Pipe Link: RCL3470

Scenario: Existing
 From Node: NCL3470
 To Node: NCL3450
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 414.97 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 11.74 ft
 Manning's N: 0.0120
 Geometry: Horizontal Ellipse
 Max Depth: 3.17 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 11.24 ft
 Manning's N: 0.0120
 Geometry: Horizontal Ellipse
 Max Depth: 3.17 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL3490

Scenario: Existing
 From Node: NCL3490
 To Node: NCL3470
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 459.06 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 11.93 ft
 Manning's N: 0.0120
 Geometry: Horizontal Ellipse
 Max Depth: 3.17 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:

Downstream

Invert: 11.74 ft
 Manning's N: 0.0120
 Geometry: Horizontal Ellipse
 Max Depth: 3.17 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL3510	Upstream	Downstream
Scenario: Existing	Invert: 12.90 ft	Invert: 12.30 ft
From Node: NCL3510	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3490	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.83 ft	Max Depth: 2.83 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 408.65 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL3520	Upstream	Downstream
Scenario: Existing	Invert: 15.19 ft	Invert: 14.61 ft
From Node: NCL3520	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3510	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 195.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RCL3530	Upstream	Downstream
Scenario: Existing	Invert: 13.42 ft	Invert: 12.90 ft
From Node: NCL3530	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3510	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft

Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default:	0.00 ft
Length:	421.87 ft	Op Table:	
FHWA Code:	0	Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000
Comment: Inventory, DM Model; US inv from Kennedy ERP			

Pipe Link:	RCL3540	Upstream	Downstream
Scenario:	Existing	Invert:	20.25 ft
From Node:	NCL2540	Manning's N:	0.0100
To Node:	NCL2780	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default:	0.00 ft
Length:	90.00 ft	Op Table:	
FHWA Code:	0	Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000
Comment: Inventory, Field			

Pipe Link:	RCL3550	Upstream	Downstream
Scenario:	Existing	Invert:	14.01 ft
From Node:	NCL3550	Manning's N:	0.0120
To Node:	NCL3610	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default:	0.00 ft
Length:	112.76 ft	Op Table:	
FHWA Code:	0	Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000
Comment: Updated per ERP 847046			

Pipe Link: RCL3570		Upstream	Downstream
Scenario:	Existing	Invert: 16.00 ft	Invert: 13.63 ft
From Node:	NCL3570	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL3550	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	273.29 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Field			

Weir Link: RCL3590			
Scenario:	Existing	Bottom Clip	
From Node:	NCL3590	Default:	0.00 ft
To Node:	NCL3570	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	20.75 ft	Discharge Coefficients	
Control Elevation:	20.75 ft	Weir Default:	3.200
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	10.67 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment: Updated size per field visit; maintained controlling invert			

Weir Link: RCL3590A			
Scenario:	Existing	Bottom Clip	
From Node:	NCL3590	Default:	0.00 ft
To Node:	NCL3570	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	18.92 ft	Discharge Coefficients	
Control Elevation:	18.92 ft	Weir Default:	3.200
Max Depth:	1.83 ft	Weir Table:	

Max Width: 0.50 ft
Fillet: 0.00 ft

Orifice Default: 0.600
Orifice Table:

Comment: Updated size per field visit

Pipe Link: RCL3610	Upstream	Downstream
Scenario: Existing	Invert: 13.15 ft	Invert: 13.51 ft
From Node: NCL3610	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3530	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.83 ft	Max Depth: 2.83 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 53.66 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Updated per ERP 847046

Pipe Link: RCL3630	Upstream	Downstream
Scenario: Existing	Invert: 13.28 ft	Invert: 13.21 ft
From Node: NCL3630	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3610	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 375.70 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Updated per ERP 847046

Pipe Link: RCL3635	Upstream	Downstream
Scenario: Existing	Invert: 14.54 ft	Invert: 13.95 ft
From Node: NCL3635	Manning's N: 0.0120	Manning's N: 0.0120

To Node:	NCL3630	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	445.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Updated per ERP 847046			

Pipe Link: RCL3640	Upstream	Downstream
Scenario: Existing	Invert: 16.03 ft	Invert: 14.58 ft
From Node: NCL3640	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3635	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 440.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Updated per ERP 847046		

Pipe Link: RCL3650	Upstream	Downstream
Scenario: Existing	Invert: 14.54 ft	Invert: 13.04 ft
From Node: NCL3650	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3450	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 107.90 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Added per ERP 18948

Weir Link: RCL3670

Scenario: Existing
From Node: NCL3670
To Node: NCL3650
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 16.84 ft
Control Elevation: 16.84 ft
Max Depth: 1.10 ft
Max Width: 0.90 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Updated per ERP 18948

Weir Link: RCL3670A

Scenario: Existing
From Node: NCL3670
To Node: NCL3650
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 17.94 ft
Control Elevation: 17.94 ft
Max Depth: 9999.00 ft
Max Width: 14.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Updated per ERP 18948

Weir Link: RCL3670C

Scenario: Existing
From Node: STORAGE2
To Node: NCL3670
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft

Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 16.64 ft
 Control Elevation: 16.64 ft
 Max Depth: 2.00 ft
 Max Width: 50.00 ft
 Fillet: 0.00 ft

Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment: SET WEIR AT NWL OF UNDERGROUND VAULT TO ALLOW EQUALIZATION

Pipe Link: RCL3690

Scenario: Existing
 From Node: NCL3690
 To Node: NCL3730
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 270.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 10.80 ft
 Manning's N: 0.0120
 Geometry: Rectangular
 Max Depth: 4.00 ft
 Max Width: 8.00 ft
 Fillet: 0.00 ft

Downstream

Invert: 10.33 ft
 Manning's N: 0.0120
 Geometry: Rectangular
 Max Depth: 4.00 ft
 Max Width: 8.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment: Added per ERP 6550

Pipe Link: RCL3710

Scenario: Existing
 From Node: NCL3450
 To Node: NCL3690
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 152.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 11.13 ft
 Manning's N: 0.0120
 Geometry: Rectangular
 Max Depth: 4.00 ft
 Max Width: 8.00 ft
 Fillet: 0.00 ft

Downstream

Invert: 10.90 ft
 Manning's N: 0.0120
 Geometry: Rectangular
 Max Depth: 4.00 ft
 Max Width: 8.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Default: 0.00 ft
 Op Table:
 Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Added per ERP 6550

Pipe Link: RCL3740	Upstream	Downstream
Scenario: Existing	Invert: 15.30 ft	Invert: 15.20 ft
From Node: NCL3740	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3730	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 46.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RCL3750	Upstream	Downstream
Scenario: Existing	Invert: 10.78 ft	Invert: 10.26 ft
From Node: NCL3750	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2990	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 175.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL3770	Upstream	Downstream
Scenario: Existing	Invert: 11.47 ft	Invert: 10.78 ft
From Node: NCL3770	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3750	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft

Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	361.00 ft	Op Table:	
FHWA Code:	0	Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000

Comment:

Channel Link:	RCL3770OW	Upstream	Downstream
Scenario:	Existing	Invert:	16.20 ft
From Node:	NCL3770	Manning's N:	0.0000
To Node:	NCL3750	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL3770OW

Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Weir Link: REF1357B

Scenario:	Existing	Bottom Clip	
From Node:	NSH27	Default:	0.00 ft
To Node:	NSH27AA	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	12.74 ft	Discharge Coefficients	
Control Elevation:	12.74 ft	Weir Default:	3.200
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	8.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment: Updated per ERP 10835. Difficult to read

Weir Link: REF1357C

Scenario: Existing
 From Node: NSH27
 To Node: NSH27AA
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 9.74 ft
 Control Elevation: 9.74 ft
 Max Depth: 1.67 ft
 Max Width: 1.67 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment: Updated per ERP 10835. Difficult to read

Pipe Link: ROC0030

Scenario: Existing
 From Node: NOC0030
 To Node: NOC0010
 Link Count: 2
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 178.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: -4.25 ft
 Manning's N: 0.0120
 Geometry: Rectangular
 Max Depth: 5.00 ft
 Max Width: 7.00 ft
 Fillet: 0.00 ft

Downstream

Invert: -4.46 ft
 Manning's N: 0.0120
 Geometry: Rectangular
 Max Depth: 5.00 ft
 Max Width: 7.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: ROC0030OW

Scenario: Existing
 From Node: NOC0030
 To Node: NCL0030
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00

Upstream

Invert: 3.22 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: ROC0030OW

Downstream

Invert: 3.21 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: ROC0030OW

Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: ROC0050	Upstream	Downstream
Scenario: Existing	Invert: -4.05 ft	Invert: -4.25 ft
From Node: NOC0050	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NOC0030	Geometry: Rectangular	Geometry: Rectangular
Link Count: 2	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 7.00 ft	Max Width: 7.00 ft
Damping: 0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 135.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: ROC0050OW	Upstream	Downstream
Scenario: Existing	Invert: 3.40 ft	Invert: 3.39 ft
From Node: NOC0050	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NOC0030	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: ROC0050OW	Cross Section: ROC0050OW
Flow Direction: Both		
Damping: 0.0000		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: ROC0070		Upstream	Downstream
Scenario:	Existing	Invert: -3.37 ft	Invert: -3.57 ft
From Node:	NOC0070	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NOC0090	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 3.58 ft	Max Depth: 3.58 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	15.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: ROC0070A		Upstream	Downstream
Scenario:	Existing	Invert: -3.57 ft	Invert: -4.05 ft
From Node:	NOC0070	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NOC0050	Geometry: Rectangular	Geometry: Rectangular
Link Count:	2	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Max Width: 7.00 ft	Max Width: 7.00 ft
Damping:	0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	540.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.00	Op Table:	Op Table:
Exit Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip	
Energy Switch:	Energy	Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: ROC0070OW		Upstream	Downstream
Scenario:	Existing	Invert: 3.92 ft	Invert: 3.91 ft
From Node:	NOC0070	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL0110	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: ROC0070OW	Cross Section: ROC0070OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		

Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: ROC0090	Upstream	Downstream
Scenario: Existing	Invert: -3.37 ft	Invert: -3.47 ft
From Node: NOC0090	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0110	Geometry: Circular	Geometry: Circular
Link Count: 2	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 123.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: ROC0110	Upstream	Downstream
Scenario: Existing	Invert: -3.34 ft	Invert: -3.57 ft
From Node: NOC0110	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NOC0070	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 2	Max Depth: 3.58 ft	Max Depth: 3.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 20.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: ROC0130		Upstream	Downstream
Scenario:	Existing	Invert: -3.13 ft	Invert: -3.34 ft
From Node:	NOC0130	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NOC0110	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 4.83 ft	Max Depth: 4.83 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	231.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: ROC0150		Upstream	Downstream
Scenario:	Existing	Invert: 1.95 ft	Invert: 1.85 ft
From Node:	NOC0150	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NOC0130	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	2	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	30.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: ROC0170		Upstream	Downstream
Scenario:	Existing	Invert: 4.13 ft	Invert: 1.95 ft
From Node:	NOC0170	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NOC0150	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	25.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: ROC0170OW		Upstream	Downstream
Scenario: Existing		Invert: 4.30 ft	Invert: 4.29 ft
From Node: NOC0170		Manning's N: 0.0000	Manning's N: 0.0000
To Node: NOC0070		Geometry: Irregular	Geometry: Irregular
Link Count: 1		Cross Section: ROC0170OW	Cross Section: ROC0170OW
Flow Direction: Both			
Damping: 0.0000 ft			
Length: 33.00 ft			
Contraction Coef: 0.00			
Expansion Coef: 0.00			
Entr Loss Coef: 0.00			
Exit Loss Coef: 0.00			
Bend Loss Coef: 0.00			
Bend Location: 0.00 dec			
Energy Switch: Energy			

Comment:

Pipe Link: ROC0190		Upstream	Downstream
Scenario: Existing		Invert: -2.80 ft	Invert: -3.13 ft
From Node: NOC0190		Manning's N: 0.0120	Manning's N: 0.0120
To Node: NOC0130		Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1		Max Depth: 4.83 ft	Max Depth: 4.83 ft
Flow Direction: Both		Bottom Clip	
Damping: 0.0000 ft		Default: 0.00 ft	Default: 0.00 ft
Length: 370.00 ft		Op Table:	Op Table:
FHWA Code: 0		Ref Node:	Ref Node:
Entr Loss Coef: 0.00		Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00		Top Clip	
Bend Loss Coef: 0.00		Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec		Op Table:	Op Table:
Energy Switch: Energy		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: ROC0190OW		Upstream	Downstream
Scenario: Existing		Invert: 5.63 ft	Invert: 5.62 ft

From Node:	NOC0190	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NOC0070	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	ROC0190OW	Cross Section:	ROC0190OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: ROC0210		Upstream	Downstream
Scenario:	Existing	Invert: 0.21 ft	Invert: -0.37 ft
From Node:	NOC0210	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NOC0190	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	335.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: ROC0210OW		Upstream	Downstream
Scenario:	Existing	Invert: 5.60 ft	Invert: 5.59 ft
From Node:	NOC0210	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NOC0070	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: ROC0210OW	Cross Section: ROC0210OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Pipe Link: ROC0230	Upstream	Downstream
Scenario: Existing	Invert: 0.33 ft	Invert: 0.23 ft
From Node: NOC0230	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NOC0190	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 50.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: ROC0250	Upstream	Downstream
Scenario: Existing	Invert: 1.03 ft	Invert: 0.33 ft
From Node: NOC0250	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NOC0230	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 320.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: ROC0270	Upstream	Downstream
Scenario: Existing	Invert: 1.82 ft	Invert: 1.03 ft
From Node: NOC0270	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NOC0250	Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	328.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: ROC0290		Upstream		Downstream	
Scenario:	Existing	Invert:	-2.72 ft	Invert:	-2.80 ft
From Node:	NOC0290	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NOC0190	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	4.83 ft	Max Depth:	4.83 ft
Flow Direction:	Both	Max Width:	7.58 ft	Max Width:	7.58 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	90.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: ROC0310		Upstream		Downstream	
Scenario:	Existing	Invert:	-1.27 ft	Invert:	-1.39 ft
From Node:	NOC0310	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NOC0290	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	48.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: ROC0330

Upstream

Downstream

Scenario: Existing
 From Node: NOC0330
 To Node: NOC0290
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 271.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: -2.21 ft
 Manning's N: 0.0120

Invert: -2.72 ft
 Manning's N: 0.0120

Geometry: Horizontal Ellipse
 Max Depth: 5.25 ft

Geometry: Horizontal Ellipse
 Max Depth: 5.25 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: ROC0350

Upstream

Downstream

Scenario: Existing
 From Node: NOC0350
 To Node: NOC0330
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 370.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: -1.43 ft
 Manning's N: 0.0120

Invert: -2.21 ft
 Manning's N: 0.0120

Geometry: Horizontal Ellipse
 Max Depth: 4.83 ft

Geometry: Horizontal Ellipse
 Max Depth: 4.83 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: ROC0350OW

Upstream

Downstream

Scenario: Existing
 From Node: NOC0350
 To Node: NOC0330

Invert: 2.77 ft
 Manning's N: 0.0000

Invert: 2.76 ft
 Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Link Count:	1	Cross Section:	ROC0350OW	Cross Section:	ROC0350OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: ROC0370	Upstream	Downstream
Scenario: Existing	Invert: -0.24 ft	Invert: -1.43 ft
From Node: NOC0370	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NOC0350	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 3.17 ft	Max Depth: 3.17 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 619.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: ROC0370OW	Upstream	Downstream
Scenario: Existing	Invert: 5.69 ft	Invert: 5.68 ft
From Node: NOC0370	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NOC0350	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: ROC0370OW	Cross Section: ROC0370OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: ROC0390	Upstream	Downstream
Scenario: Existing	Invert: 0.27 ft	Invert: -0.22 ft
From Node: NOC0390	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NOC0370	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 3.17 ft	Max Depth: 3.17 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 153.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: ROC0390OW	Upstream	Downstream
Scenario: Existing	Invert: 5.33 ft	Invert: 5.32 ft
From Node: NOC0390	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL0350	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: ROC0390OW	Cross Section: ROC0390OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: ROC0410	Upstream	Downstream
Scenario: Existing	Invert: 0.89 ft	Invert: 0.27 ft
From Node: NOC0410	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NOC0390	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 3.17 ft	Max Depth: 3.17 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	553.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: ROC0410OW

	Upstream	Downstream
Scenario:	Existing	Invert: 6.38 ft
From Node:	NOC0410	Manning's N: 0.0000
To Node:	NOC0390	Geometry: Irregular
Link Count:	1	Cross Section: ROC0410OW
Flow Direction:	Both	Cross Section: ROC0410OW
Damping:	0.0000 ft	
Length:	33.00 ft	
Contraction Coef:	0.00	
Expansion Coef:	0.00	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	

Comment:

Pipe Link: ROC0430

	Upstream	Downstream
Scenario:	Existing	Invert: 1.93 ft
From Node:	NOC0430	Manning's N: 0.0120
To Node:	NOC0410	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 2.83 ft
Flow Direction:	Both	Bottom Clip
Damping:	0.0000 ft	Default: 0.00 ft
Length:	326.00 ft	Op Table:
FHWA Code:	0	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip
Bend Loss Coef:	0.00	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:
Energy Switch:	Energy	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: ROC0430OW		Upstream	Downstream
Scenario:	Existing	Invert: 6.39 ft	Invert: 6.38 ft
From Node:	NOC0430	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NOC0370	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: ROC0430OW	Cross Section: ROC0430OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: ROC0450		Upstream	Downstream
Scenario:	Existing	Invert: 3.48 ft	Invert: 2.70 ft
From Node:	NOC0450	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NOC0430	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 2.42 ft	Max Depth: 2.42 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	342.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: ROC0450OW		Upstream	Downstream
Scenario:	Existing	Invert: 7.08 ft	Invert: 7.07 ft
From Node:	NOC0450	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NOC0370	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: ROC0450OW	Cross Section: ROC0450OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Pipe Link: ROC0470

Scenario: Existing
From Node: NOC0470
To Node: NOC0450
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 236.00 ft
FHWA Code: 0
Entr Loss Coef: 0.20
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 4.37 ft
Manning's N: 0.0120

Geometry: Horizontal Ellipse

Max Depth: 1.58 ft

Downstream

Invert: 3.48 ft

Manning's N: 0.0120

Geometry: Horizontal Ellipse

Max Depth: 1.58 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Comment:

Channel Link: ROC0470OW

Scenario: Existing
From Node: NOC0470
To Node: NOC0450
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 7.36 ft
Manning's N: 0.0000

Geometry: Irregular

Cross Section: ROC0470OW

Downstream

Invert: 7.35 ft

Manning's N: 0.0000

Geometry: Irregular

Cross Section: ROC0470OW

Comment:

Pipe Link: ROC0490

Scenario: Existing

Upstream

Invert: 4.81 ft

Downstream

Invert: 3.43 ft

From Node:	NOC0490	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NOC0450	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	2.42 ft	Max Depth:	2.42 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	336.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: ROC0490OW		Upstream		Downstream	
Scenario:	Existing	Invert:	7.79 ft	Invert:	7.78 ft
From Node:	NOC0490	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NOC0370	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	ROC0490OW	Cross Section:	ROC0490OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RPondA			Upstream		Downstream	
Scenario:	Existing		Invert:	16.56 ft	Invert:	14.50 ft
From Node:	NSH03		Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PondA		Geometry: Circular		Geometry: Circular	
Link Count:	1		Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both		Bottom Clip			
Damping:	0.0000 ft		Default:	0.00 ft	Default:	0.00 ft
Length:	368.00 ft		Op Table:		Op Table:	
FHWA Code:	0		Ref Node:		Ref Node:	
Entr Loss Coef:	0.50		Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00		Top Clip			
Bend Loss Coef:	0.00		Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec		Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment: Added per ERP 9274

Pipe Link: RRU0030

Scenario: Existing
 From Node: NRU0030
 To Node: NRU0010
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 144.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: -0.40 ft
 Manning's N: 0.0150
 Geometry: Rectangular
 Max Depth: 4.00 ft
 Max Width: 8.00 ft
 Fillet: 0.00 ft

Downstream

Invert: -1.42 ft
 Manning's N: 0.0150
 Geometry: Rectangular
 Max Depth: 4.00 ft
 Max Width: 8.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: RRU0050

Scenario: Existing
 From Node: NRU0050
 To Node: NRU0030
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 220.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: -0.35 ft
 Manning's N: 0.0150
 Geometry: Rectangular
 Max Depth: 4.00 ft
 Max Width: 8.00 ft
 Fillet: 0.00 ft

Downstream

Invert: -0.40 ft
 Manning's N: 0.0150
 Geometry: Rectangular
 Max Depth: 4.00 ft
 Max Width: 8.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: RRU0070		Upstream	Downstream
Scenario:	Existing	Invert: -0.29 ft	Invert: -0.35 ft
From Node:	NRU0070	Manning's N: 0.0150	Manning's N: 0.0150
To Node:	NRU0050	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction:	Both	Max Width: 8.00 ft	Max Width: 8.00 ft
Damping:	0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	180.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.00	Op Table:	Op Table:
Exit Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip	
Energy Switch:	Energy	Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU0090		Upstream	Downstream
Scenario:	Existing	Invert: 0.15 ft	Invert: 0.04 ft
From Node:	NRU0090	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU0070	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	182.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU0090OW		Upstream	Downstream
Scenario:	Existing	Invert: 4.65 ft	Invert: 4.64 ft
From Node:	NRU0090	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU0070	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RRU0090OW	Cross Section: RRU0090OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		

Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RRU0110

Scenario: Existing
 From Node: NRU0110
 To Node: NRU0070
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 283.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: -0.05 ft
 Manning's N: 0.0120

Geometry: Rectangular

Max Depth: 4.00 ft

Max Width: 8.00 ft

Fillet: 0.00 ft

Downstream

Invert: -0.29 ft

Manning's N: 0.0120

Geometry: Rectangular

Max Depth: 4.00 ft

Max Width: 8.00 ft

Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Comment:

Channel Link: RRU0110OW

Scenario: Existing
 From Node: NRU0110
 To Node: NRU0070
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 5.42 ft

Manning's N: 0.0000

Geometry: Irregular

Cross Section: RRU0110OW

Downstream

Invert: 5.41 ft

Manning's N: 0.0000

Geometry: Irregular

Cross Section: RRU0110OW

Comment:

Pipe Link: RRU0130		Upstream	Downstream
Scenario:	Existing	Invert: 0.84 ft	Invert: -0.05 ft
From Node:	NRU0130	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU0110	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction:	Both	Max Width: 8.00 ft	Max Width: 8.00 ft
Damping:	0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	530.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.00	Op Table:	Op Table:
Exit Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip	
Energy Switch:	Energy	Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU0150		Upstream	Downstream
Scenario:	Existing	Invert: 0.85 ft	Invert: 0.84 ft
From Node:	NRU0150	Manning's N: 0.0140	Manning's N: 0.0140
To Node:	NRU0130	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction:	Both	Max Width: 8.00 ft	Max Width: 8.00 ft
Damping:	0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	15.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.00	Op Table:	Op Table:
Exit Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip	
Energy Switch:	Energy	Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU0160		Upstream	Downstream
Scenario:	Existing	Invert: 5.54 ft	Invert: 5.03 ft
From Node:	NRU0160	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU0150	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft

Length: 776.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, DM Model		

Pipe Link: RRU0165	Upstream	Downstream
Scenario: Existing	Invert: 11.74 ft	Invert: 11.65 ft
From Node: NRU0165	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0160	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 31.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: RRU0170	Upstream	Downstream
Scenario: Existing	Invert: 5.73 ft	Invert: 5.54 ft
From Node: NRU0170	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0160	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 283.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, DM Model		

Pipe Link: RRU0172		Upstream	Downstream
Scenario:	Existing	Invert: 6.99 ft	Invert: 6.86 ft
From Node:	NRU0172	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU0170	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	44.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory			

Pipe Link: RRU0174		Upstream	Downstream
Scenario:	Existing	Invert: 8.24 ft	Invert: 6.99 ft
From Node:	NRU0174	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU0172	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.75 ft	Max Depth: 1.75 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	417.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory			

Pipe Link: RRU0176		Upstream	Downstream
Scenario:	Existing	Invert: 8.32 ft	Invert: 8.24 ft
From Node:	NRU0176	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU0174	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	26.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RRU0178	Upstream	Downstream
Scenario: Existing	Invert: 9.59 ft	Invert: 8.32 ft
From Node: NRU0178	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0176	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 422.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RRU0180	Upstream	Downstream
Scenario: Existing	Invert: 10.32 ft	Invert: 9.59 ft
From Node: NRU0180	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0178	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.75 ft	Max Depth: 1.75 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 245.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RRU0190	Upstream	Downstream
Scenario: Existing	Invert: 9.93 ft	Invert: 7.73 ft

From Node:	NRU0190	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU0170	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	29.78 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory, DM Model

Pipe Link:	RRU0210	Upstream		Downstream	
Scenario:	Existing	Invert:	10.28 ft	Invert:	9.93 ft
From Node:	NRU0210	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU0190	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	52.03 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory, DM Model

Pipe Link:	RRU0230	Upstream		Downstream	
Scenario:	Existing	Invert:	11.28 ft	Invert:	10.28 ft
From Node:	NRU0230	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU0210	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	153.27 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RRU0250

Upstream

Downstream

Scenario: Existing
 From Node: NRU0250
 To Node: NRU0170
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 100.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 5.84 ft
Manning's N: 0.0120Invert: 5.73 ft
Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 5.00 ft

Max Depth: 5.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RRU0270

Upstream

Downstream

Scenario: Existing
 From Node: NRU0270
 To Node: NRU0250
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 332.48 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 6.21 ft
Manning's N: 0.0120Invert: 5.84 ft
Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 5.00 ft

Max Depth: 5.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Field

Pipe Link: RRU0290

Upstream

Downstream

Scenario: Existing
 From Node: NRU0290
 To Node: NRU0270

Invert: 12.07 ft
Manning's N: 0.0120Invert: 10.03 ft
Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	187.74 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory, DM Model					

Pipe Link:	RRU0310	Upstream		Downstream	
Scenario:	Existing	Invert:	6.74 ft	Invert:	6.22 ft
From Node:	NRU0310	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU0270	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	475.68 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Field					

Pipe Link:	RRU0330	Upstream		Downstream	
Scenario:	Existing	Invert:	11.30 ft	Invert:	10.82 ft
From Node:	NRU0330	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU0310	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	249.09 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory, Field

Pipe Link: RRU0335	Upstream	Downstream
Scenario: Existing	Invert: 15.46 ft	Invert: 14.44 ft
From Node: NRU0335	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0330	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 342.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RRU0340	Upstream	Downstream
Scenario: Existing	Invert: 11.77 ft	Invert: 11.30 ft
From Node: NRU0340	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0330	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 240.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RRU0343	Upstream	Downstream
Scenario: Existing	Invert: 13.14 ft	Invert: 12.93 ft
From Node: NRU0343	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0340	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	71.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory

Pipe Link: RRU0345

		Upstream	Downstream		
Scenario:	Existing	Invert:	14.35 ft	Invert:	13.14 ft
From Node:	NRU0345	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU0343	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	404.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory

Pipe Link: RRU0350

		Upstream	Downstream		
Scenario:	Existing	Invert:	12.53 ft	Invert:	11.77 ft
From Node:	NRU0350	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU0340	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	391.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory

Pipe Link: RRU0370		Upstream	Downstream
Scenario:	Existing	Invert: 12.63 ft	Invert: 12.53 ft
From Node:	NRU0370	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU0350	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	55.99 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, DM Model			

Pipe Link: RRU0380		Upstream	Downstream
Scenario:	Existing	Invert: 13.33 ft	Invert: 13.03 ft
From Node:	NRU0380	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU0370	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	34.74 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, DM Model			

Pipe Link: RRU0410		Upstream	Downstream
Scenario:	Existing	Invert: 13.13 ft	Invert: 12.63 ft
From Node:	NRU0410	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU0370	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	373.88 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RRU0430	Upstream	Downstream
Scenario: Existing	Invert: 13.63 ft	Invert: 13.13 ft
From Node: NRU0430	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0410	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 291.50 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RRU0450	Upstream	Downstream
Scenario: Existing	Invert: 14.13 ft	Invert: 13.63 ft
From Node: NRU0450	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0430	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 350.11 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RRU0470	Upstream	Downstream
Scenario: Existing	Invert: 14.62 ft	Invert: 14.13 ft

From Node:	NRU0470	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU0450	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	349.20 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory, DM Model

Pipe Link:	RRU0490	Upstream		Downstream	
Scenario:	Existing	Invert:	15.14 ft	Invert:	14.65 ft
From Node:	NRU0490	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU0470	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	115.76 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory

Pipe Link:	RRU0495	Upstream		Downstream	
Scenario:	Existing	Invert:	16.00 ft	Invert:	15.14 ft
From Node:	NRU0495	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU0490	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	288.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment: Inventory

Pipe Link: RRU0510A

Upstream

Downstream

Scenario: Existing
 From Node: NRU0510
 To Node: NRU0470
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 20.63 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 14.93 ft
 Manning's N: 0.0120

Invert: 14.60 ft
 Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 1.50 ft

Max Depth: 1.50 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Inventory

Pipe Link: RRU0530

Upstream

Downstream

Scenario: Existing
 From Node: NRU0530
 To Node: NRU0310
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 442.09 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 7.23 ft
 Manning's N: 0.0120

Invert: 6.74 ft
 Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 4.00 ft

Max Depth: 4.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Inventory, Field

Pipe Link: RRU0550

Upstream

Downstream

Scenario: Existing
 From Node: NRU0550
 To Node: NRU0530

Invert: 7.75 ft
 Manning's N: 0.0120

Invert: 7.24 ft
 Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	466.10 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory					

Pipe Link:	RRU0570	Upstream		Downstream	
Scenario:	Existing	Invert:	7.96 ft	Invert:	7.76 ft
From Node:	NRU0570	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU0550	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	183.55 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory, DM Model					

Pipe Link:	RRU0590	Upstream		Downstream	
Scenario:	Existing	Invert:	8.34 ft	Invert:	7.97 ft
From Node:	NRU0590	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU0570	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	337.99 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory

Pipe Link: RRU0610	Upstream	Downstream
Scenario: Existing	Invert: 8.69 ft	Invert: 8.34 ft
From Node: NRU0610	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0590	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 316.74 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RRU0612	Upstream	Downstream
Scenario: Existing	Invert: 8.98 ft	Invert: 8.70 ft
From Node: NRU0612	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0610	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 258.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RRU0615	Upstream	Downstream
Scenario: Existing	Invert: 13.74 ft	Invert: 10.95 ft
From Node: NRU0615	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0610	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	930.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory					

Pipe Link: RRU0616	Upstream	Downstream
Scenario: Existing	Invert: 17.46 ft	Invert: 16.56 ft
From Node: NRU0616	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0615	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 849.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: RRU0618	Upstream	Downstream
Scenario: Existing	Invert: 16.29 ft	Invert: 13.74 ft
From Node: NRU0618	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0616	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 193.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: RRU0620		Upstream	Downstream
Scenario:	Existing	Invert: 15.49 ft	Invert: 14.61 ft
From Node:	NRU0620	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU0615	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	295.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory			

Pipe Link: RRU0630		Upstream	Downstream
Scenario:	Existing	Invert: 9.28 ft	Invert: 8.98 ft
From Node:	NRU0630	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU0612	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	270.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, Field			

Pipe Link: RRU0630A		Upstream	Downstream
Scenario:	Existing	Invert: 9.50 ft	Invert: 9.28 ft
From Node:	NRU0630	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU0650	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	385.40 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, Field

Pipe Link: RRU0670	Upstream	Downstream
Scenario: Existing	Invert: 9.53 ft	Invert: 9.50 ft
From Node: NRU0670	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0650	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 55.25 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RRU0690	Upstream	Downstream
Scenario: Existing	Invert: 9.67 ft	Invert: 9.53 ft
From Node: NRU0690	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0670	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 263.27 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: CityPlans

Pipe Link: RRU0710	Upstream	Downstream
Scenario: Existing	Invert: 9.80 ft	Invert: 9.67 ft

From Node:	NRU0710	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU0690	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	217.04 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: CityPlans, Field

Pipe Link: RRU0730	Upstream	Downstream
Scenario: Existing	Invert: 13.53 ft	Invert: 11.68 ft
From Node: NRU0730	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0710	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 176.95 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, Field

Pipe Link: RRU0740	Upstream	Downstream
Scenario: Existing	Invert: 9.98 ft	Invert: 9.80 ft
From Node: NRU0740	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0710	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 328.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment: CityPlans, Field

Pipe Link: RRU0745

Upstream

Downstream

Scenario: Existing
 From Node: NRU0745
 To Node: NRU0740
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 420.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 10.20 ft
 Manning's N: 0.0120

Invert: 9.98 ft
 Manning's N: 0.0120

Geometry: Horizontal Ellipse
 Max Depth: 4.00 ft

Geometry: Horizontal Ellipse
 Max Depth: 4.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment: CityPlans, Field

Pipe Link: RRU0750

Upstream

Downstream

Scenario: Existing
 From Node: NRU0750
 To Node: NRU0745
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 324.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 10.41 ft
 Manning's N: 0.0120

Invert: 10.20 ft
 Manning's N: 0.0120

Geometry: Horizontal Ellipse
 Max Depth: 4.00 ft

Geometry: Horizontal Ellipse
 Max Depth: 4.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment: CityPlans

Pipe Link: RRU0770

Upstream

Downstream

Scenario: Existing
 From Node: NRU0770
 To Node: NRU0750

Invert: 10.68 ft
 Manning's N: 0.0120

Invert: 10.41 ft
 Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	151.36 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: CityPlans					

Pipe Link: RRU0785	Upstream	Downstream
Scenario: Existing	Invert: 11.11 ft	Invert: 10.68 ft
From Node: NRU0785	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0770	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 176.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: CityPlans		

Pipe Link: RRU0785B	Upstream	Downstream
Scenario: Existing	Invert: 12.56 ft	Invert: 12.39 ft
From Node: NRU0785	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0790	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 55.60 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RRU0790	Upstream	Downstream
Scenario: Existing	Invert: 11.20 ft	Invert: 11.11 ft
From Node: NRU0790	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0785	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 35.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RRU0790B	Upstream	Downstream
Scenario: Existing	Invert: 12.75 ft	Invert: 12.61 ft
From Node: NRU0790	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0785	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 22.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: City Plans

Pipe Link: RRU0790C	Upstream	Downstream
Scenario: Existing	Invert: 12.81 ft	Invert: 12.67 ft
From Node: NRU0790	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0785	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	15.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: City Plans

Pipe Link: RRU0790D	Upstream	Downstream
Scenario: Existing	Invert: 13.85 ft	Invert: 12.09 ft
From Node: NRU0790	Manning's N: 0.0100	Manning's N: 0.0100
To Node: NRU0785	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 23.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: City Plans

Pipe Link: RRU0810	Upstream	Downstream
Scenario: Existing	Invert: 11.63 ft	Invert: 11.28 ft
From Node: NRU0810	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0790	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 301.49 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RRU0820B		Upstream	Downstream
Scenario:	Existing	Invert: 15.84 ft	Invert: 15.74 ft
From Node:	STORAGE8	Manning's N: 0.0100	Manning's N: 0.0100
To Node:	NRU0820	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 0.67 ft	Max Depth: 0.67 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	10.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Added per ERP 12131			

Pipe Link: RRU0830		Upstream	Downstream
Scenario:	Existing	Invert: 11.68 ft	Invert: 11.45 ft
From Node:	NRU0830	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU0790	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	424.56 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, DM Model			

Pipe Link: RRU0850		Upstream	Downstream
Scenario:	Existing	Invert: 11.77 ft	Invert: 11.68 ft
From Node:	NRU0850	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU0830	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	292.55 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RRU0870	Upstream	Downstream
Scenario: Existing	Invert: 12.04 ft	Invert: 11.64 ft
From Node: NRU0870	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0850	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 80.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Added per ERP 20724

Weir Link: RRU0890	Bottom Clip
Scenario: Existing	Default: 0.00 ft
From Node: NRU0890	Op Table:
To Node: NRU0870	Ref Node:
Link Count: 1	Top Clip
Flow Direction: Both	Default: 0.00 ft
Damping: 0.0000 ft	Op Table:
Weir Type: Sharp Crested Vertical	Ref Node:
Geometry Type: Rectangular	Discharge Coefficients
Invert: 16.04 ft	Weir Default: 3.200
Control Elevation: 16.04 ft	Weir Table:
Max Depth: 1.50 ft	Orifice Default: 0.600
Max Width: 15.17 ft	Orifice Table:
Fillet: 0.00 ft	

Comment: Updated per ERP 20724

Weir Link: RRU0890B	Bottom Clip
Scenario: Existing	Default: 0.00 ft
From Node: NRU0890	

To Node: NRU0870
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 17.39 ft
 Control Elevation: 17.39 ft
 Max Depth: 9999.00 ft
 Max Width: 25.33 ft
 Fillet: 0.00 ft

Op Table:
 Ref Node:
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RRU0910

Scenario: Existing
 From Node: NRU0910
 To Node: NRU0890
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 244.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 1.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 16.66 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 1.25 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 15.26 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 1.25 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment: Added per ERP 24539

Weir Link: RRU0930

Scenario: Existing
 From Node: NRU0930
 To Node: NRU0910
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 19.14 ft
 Control Elevation: 19.14 ft
 Max Depth: 1.10 ft
 Max Width: 2.00 ft
 Fillet: 0.00 ft

Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment: Updated per ERP 24539

Weir Link: RRU0930A

Scenario:	Existing	Bottom Clip
From Node:	NRU0930	Default: 0.00 ft
To Node:	NRU0910	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	20.24 ft	Discharge Coefficients
Control Elevation:	20.24 ft	Weir Default: 3.200
Max Depth:	9999.00 ft	Weir Table:
Max Width:	15.50 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment: Updated per ERP 24539

Pipe Link: RRU0950

	Upstream	Downstream
Scenario:	Existing	Invert: 11.29 ft
From Node:	NRU0950	Manning's N: 0.0120
To Node:	NRU0850	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip
Damping:	0.0000 ft	Default: 0.00 ft
Length:	137.00 ft	Op Table:
FHWA Code:	0	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip
Bend Loss Coef:	0.00	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:
Energy Switch:	Energy	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RRU0955

	Upstream	Downstream
Scenario:	Existing	Invert: 12.33 ft
From Node:	NRU0955	Manning's N: 0.0120
To Node:	NRU0950	Geometry: Circular
Link Count:	1	Max Depth: 1.25 ft
Flow Direction:	Both	Bottom Clip
Damping:	0.0000 ft	Default: 0.00 ft

Length:	29.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory					

Pipe Link: RRU0960	Upstream	Downstream
Scenario: Existing	Invert: 13.64 ft	Invert: 12.41 ft
From Node: NRU0960	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0955	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 409.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: RRU0965	Upstream	Downstream
Scenario: Existing	Invert: 13.82 ft	Invert: 13.64 ft
From Node: NRU0965	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0960	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 61.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: RRU0970		Upstream	Downstream
Scenario:	Existing	Invert: 12.54 ft	Invert: 11.22 ft
From Node:	NRU0970	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU0950	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	287.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Added per ERP 20724			

Pipe Link: RRU0990		Upstream	Downstream
Scenario:	Existing	Invert: 12.24 ft	Invert: 11.64 ft
From Node:	NRU0990	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU0890	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	40.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Added per ERP 20724			

Pipe Link: RRU0990A		Upstream	Downstream
Scenario:	Existing	Invert: 12.24 ft	Invert: 12.54 ft
From Node:	NRU0980	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU0970	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 2.67 ft	Max Depth: 2.67 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	318.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Added per ERP 20724

Pipe Link: RRU1010	Upstream	Downstream
Scenario: Existing	Invert: 12.77 ft	Invert: 12.24 ft
From Node: NRU1010	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0990	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.67 ft	Max Depth: 2.67 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 66.82 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Added per ERP 20724

Pipe Link: RRU1015	Upstream	Downstream
Scenario: Existing	Invert: 13.54 ft	Invert: 13.20 ft
From Node: NRU1015	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1010	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 317.25 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Added per ERP 19758

Pipe Link: RRU1025	Upstream	Downstream
Scenario: Existing	Invert: 14.33 ft	Invert: 13.95 ft

From Node:	NRU1025	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU1015	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	318.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Added per ERP 19758

Pipe Link: RRU1030	Upstream	Downstream
Scenario: Existing	Invert: 13.12 ft	Invert: 13.08 ft
From Node: NRU1030	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1040	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 55.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Updated per ERP 20364; interpolated DS invert

Pipe Link: RRU1037	Upstream	Downstream
Scenario: Existing	Invert: 16.52 ft	Invert: 14.56 ft
From Node: NRU1037	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1050	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.17 ft	Max Depth: 1.17 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 284.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment: Added per ERP 20364

Pipe Link: RRU1040

Upstream

Downstream

Scenario: Existing
 From Node: NRU1040
 To Node: NRU1010
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 415.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 13.08 ft
 Manning's N: 0.0120

Invert: 12.77 ft
 Manning's N: 0.0120

Geometry: Horizontal Ellipse

Geometry: Horizontal Ellipse

Max Depth: 2.66 ft

Max Depth: 2.66 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Size from ERP 20724; interpolated US inv

Pipe Link: RRU1045

Upstream

Downstream

Scenario: Existing
 From Node: NRU1045
 To Node: NRU1046
 Link Count: 2
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 60.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 16.08 ft
 Manning's N: 0.0120

Invert: 16.02 ft
 Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 2.00 ft

Max Depth: 2.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Added per ERP 19758

Pipe Link: RRU1046

Upstream

Downstream

Scenario: Existing
 From Node: NRU1046
 To Node: NRU1020

Invert: 14.38 ft
 Manning's N: 0.0120

Invert: 14.14 ft
 Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	287.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Added per ERP 19758					

Pipe Link:	RRU1050	Upstream		Downstream	
Scenario:	Existing	Invert:	13.53 ft	Invert:	13.04 ft
From Node:	NRU1050	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU1030	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	293.72 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Updated per ERP 20364					

Pipe Link:	RRU1070	Upstream		Downstream	
Scenario:	Existing	Invert:	15.18 ft	Invert:	13.59 ft
From Node:	NRU1070	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU1050	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	481.88 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory, DM Model

Pipe Link: RRU1090	Upstream	Downstream
Scenario: Existing	Invert: 10.76 ft	Invert: 10.41 ft
From Node: NRU1090	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0750	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 180.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: CityPlans

Pipe Link: RRU1110	Upstream	Downstream
Scenario: Existing	Invert: 11.08 ft	Invert: 10.76 ft
From Node: NRU1110	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1090	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 143.16 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: CityPlans, Field

Pipe Link: RRU1130	Upstream	Downstream
Scenario: Existing	Invert: 11.96 ft	Invert: 10.97 ft
From Node: NRU1130	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1110	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	164.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: CityPlans

Pipe Link: RRU1150	Upstream	Downstream
Scenario: Existing	Invert: 11.99 ft	Invert: 11.71 ft
From Node: NRU1150	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1130	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 111.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: CityPlans

Pipe Link: RRU1170	Upstream	Downstream
Scenario: Existing	Invert: 13.67 ft	Invert: 12.03 ft
From Node: NRU1170	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1150	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.17 ft	Max Depth: 1.17 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 428.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: CityPlans

Pipe Link: RRU1182		Upstream	Downstream
Scenario:	Existing	Invert: 12.90 ft	Invert: 12.22 ft
From Node:	NRU1182	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU1232	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	319.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, Field			

Pipe Link: RRU1184		Upstream	Downstream
Scenario:	Existing	Invert: 13.10 ft	Invert: 12.90 ft
From Node:	NRU1184	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU1182	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	87.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory			

Pipe Link: RRU1185		Upstream	Downstream
Scenario:	Existing	Invert: 14.79 ft	Invert: 13.10 ft
From Node:	NRU1185	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU1184	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	301.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Field

Pipe Link: RRU1186	Upstream	Downstream
Scenario: Existing	Invert: 13.30 ft	Invert: 13.10 ft
From Node: NRU1186	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1184	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.75 ft	Max Depth: 1.75 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 145.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RRU1188	Upstream	Downstream
Scenario: Existing	Invert: 13.42 ft	Invert: 13.30 ft
From Node: NRU1188	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1186	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: None	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 37.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, Field

Pipe Link: RRU1190	Upstream	Downstream
Scenario: Existing	Invert: 13.93 ft	Invert: 13.73 ft

From Node:	NRU1190	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU1170	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	144.01 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: CityPlans

Pipe Link: RRU1210	Upstream	Downstream
Scenario: Existing	Invert: 14.00 ft	Invert: 13.94 ft
From Node: NRU1210	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1190	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.17 ft	Max Depth: 1.17 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 35.97 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RRU1210B	Upstream	Downstream
Scenario: Existing	Invert: 14.52 ft	Invert: 13.30 ft
From Node: NRU1210	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1186	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 306.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment: Inventory

Pipe Link: RRU1220

Upstream

Downstream

Scenario: Existing
 From Node: NRU1220
 To Node: NRU1210
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 312.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 16.79 ft
 Manning's N: 0.0100

Invert: 14.79 ft
 Manning's N: 0.0100

Geometry: Circular

Geometry: Circular

Max Depth: 1.50 ft

Max Depth: 1.50 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Inventory

Pipe Link: RRU1230

Upstream

Downstream

Scenario: Existing
 From Node: NRU1230
 To Node: NRU1110
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 252.55 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 11.59 ft
 Manning's N: 0.0120

Invert: 11.08 ft
 Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 3.00 ft

Max Depth: 3.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: CityPlans, Field

Pipe Link: RRU1232

Upstream

Downstream

Scenario: Existing
 From Node: NRU1232
 To Node: NRU1230

Invert: 13.00 ft
 Manning's N: 0.0120

Invert: 12.90 ft
 Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	49.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: CityPlans					

Pipe Link: RRU1234	Upstream	Downstream
Scenario: Existing	Invert: 14.00 ft	Invert: 13.10 ft
From Node: NRU1234	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1232	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 24.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: CityPlans, Field		

Pipe Link: RRU1240	Upstream	Downstream
Scenario: Existing	Invert: 14.79 ft	Invert: 14.25 ft
From Node: NRU1240	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1230	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 26.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Added per ERP 2417, Field

Pipe Link: RRU1250	Upstream	Downstream
Scenario: Existing	Invert: -0.40 ft	Invert: -1.42 ft
From Node: NRU1250	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NRU0010	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Max Width: 8.00 ft	Max Width: 8.00 ft
Damping: 0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 144.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 1.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU1270	Upstream	Downstream
Scenario: Existing	Invert: -0.19 ft	Invert: -0.40 ft
From Node: NRU1270	Manning's N: 0.0270	Manning's N: 0.0270
To Node: NRU1250	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.50 ft	Max Depth: 5.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 94.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU1270A	Upstream	Downstream
Scenario: Existing	Invert: -0.19 ft	Invert: -0.40 ft
From Node: NRU1270	Manning's N: 0.0270	Manning's N: 0.0270
To Node: NRU1250	Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	5.50 ft	Max Depth:	5.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	94.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: RRU1270OW		Upstream		Downstream	
Scenario:	Existing	Invert:	5.66 ft	Invert:	5.65 ft
From Node:	NRU1270	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NRU1250	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	RRU1270OW	Cross Section:	RRU1270OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RRU1290		Upstream		Downstream	
Scenario:	Existing	Invert:	0.11 ft	Invert:	-0.19 ft
From Node:	NRU1290	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	NRU1270	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	5.50 ft	Max Depth:	5.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	130.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RRU1290A	Upstream	Downstream
Scenario: Existing	Invert: 0.11 ft	Invert: -0.19 ft
From Node: NRU1290	Manning's N: 0.0240	Manning's N: 0.0240
To Node: NRU1270	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.50 ft	Max Depth: 5.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 130.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU1310	Upstream	Downstream
Scenario: Existing	Invert: 0.83 ft	Invert: 0.11 ft
From Node: NRU1310	Manning's N: 0.0180	Manning's N: 0.0180
To Node: NRU1290	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.50 ft	Max Depth: 5.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 355.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU1310A	Upstream	Downstream
Scenario: Existing	Invert: 0.83 ft	Invert: 0.11 ft
From Node: NRU1310	Manning's N: 0.0180	Manning's N: 0.0180
To Node: NRU1290	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.50 ft	Max Depth: 5.50 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	355.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: RRU1330

Scenario:	Existing	Bottom Clip	
From Node:	NRU1330	Default:	0.00 ft
To Node:	NRU0150	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	7.37 ft	Discharge Coefficients	
Control Elevation:	7.37 ft	Weir Default:	3.200
Max Depth:	833.25 ft	Weir Table:	
Max Width:	11.50 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: RRU1330A

	Upstream	Downstream		
Scenario:	Existing	Invert: 1.33 ft		
From Node:	NRU1330	Manning's N: 0.0160		
To Node:	NRU1310	Geometry: Circular		
Link Count:	1	Max Depth: 5.00 ft		
Flow Direction:	Both	Bottom Clip		
Damping:	0.0000 ft	Default:	0.00 ft	
Length:	535.00 ft	Op Table:		
FHWA Code:	0	Ref Node:		
Entr Loss Coef:	0.00	Manning's N:	0.0000	
Exit Loss Coef:	0.00	Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	
Bend Location:	0.00 dec	Op Table:		
Energy Switch:	Energy	Ref Node:		
	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RRU1330B		Upstream	Downstream
Scenario:	Existing	Invert: 3.87 ft	Invert: 1.33 ft
From Node:	NRU1330	Manning's N: 0.0160	Manning's N: 0.0160
To Node:	NRU1310	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	535.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RRU1330OW		Upstream	Downstream
Scenario:	Existing	Invert: 11.35 ft	Invert: 11.34 ft
From Node:	NRU1350	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU1330	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RRU1330OW	Cross Section: RRU1330OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RRU1350		Upstream	Downstream
Scenario:	Existing	Invert: 3.95 ft	Invert: 3.87 ft
From Node:	NRU1350	Manning's N: 0.0330	Manning's N: 0.0330
To Node:	NRU1330	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	50.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RRU1350A	Upstream	Downstream
Scenario: Existing	Invert: 3.95 ft	Invert: 3.87 ft
From Node: NRU1350	Manning's N: 0.0330	Manning's N: 0.0330
To Node: NRU1330	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 50.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU1370	Upstream	Downstream
Scenario: Existing	Invert: 4.37 ft	Invert: 3.95 ft
From Node: NRU1370	Manning's N: 0.0170	Manning's N: 0.0170
To Node: NRU1350	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 345.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU1370A	Upstream	Downstream
Scenario: Existing	Invert: 4.37 ft	Invert: 3.95 ft

From Node:	NRU1370	Manning's N:	0.0170	Manning's N:	0.0170
To Node:	NRU1350	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	345.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RRU1370OW		Upstream		Downstream	
Scenario:	Existing	Invert:	12.18 ft	Invert:	12.17 ft
From Node:	NRU1390	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NRU1370	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	RRU1370OW	Cross Section:	RRU1370OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RRU1390		Upstream		Downstream	
Scenario:	Existing	Invert:	5.29 ft	Invert:	4.59 ft
From Node:	NRU1390	Manning's N:	0.0150	Manning's N:	0.0150
To Node:	NRU1370	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	460.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: RRU1410

Upstream

Downstream

Scenario: Existing
 From Node: NRU1410
 To Node: NRU1370
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 475.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 4.88 ft
 Manning's N: 0.0160

Invert: 4.41 ft
 Manning's N: 0.0160

Geometry: Circular

Geometry: Circular

Max Depth: 5.00 ft

Max Depth: 5.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: RRU1410A

Upstream

Downstream

Scenario: Existing
 From Node: NRU1410
 To Node: NRU1370
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 475.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 4.88 ft
 Manning's N: 0.0160

Invert: 4.41 ft
 Manning's N: 0.0160

Geometry: Circular

Geometry: Circular

Max Depth: 5.00 ft

Max Depth: 5.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: RRU1410OW

Upstream

Downstream

Scenario: Existing
 From Node: NRU1410
 To Node: NRU1370

Invert: 14.10 ft
 Manning's N: 0.0000

Invert: 14.09 ft
 Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Link Count:	1	Cross Section:	RRU1410OW	Cross Section:	RRU1410OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RRU1430	Upstream	Downstream
Scenario: Existing	Invert: 10.20 ft	Invert: 9.10 ft
From Node: NRU1430	Manning's N: 0.0140	Manning's N: 0.0140
To Node: NRU1410	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 730.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU1430OW	Upstream	Downstream
Scenario: Existing	Invert: 13.96 ft	Invert: 13.95 ft
From Node: NRU1430	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0425	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RRU1430OW	Cross Section: RRU1430OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RRU1450	Upstream	Downstream
Scenario: Existing	Invert: 10.20 ft	Invert: 9.89 ft
From Node: NRU1450	Manning's N: 0.0140	Manning's N: 0.0140
To Node: NRU1430	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 238.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU1450OW	Upstream	Downstream
Scenario: Existing	Invert: 15.68 ft	Invert: 15.67 ft
From Node: NRU1450	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBB0070	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RRU1450OW	Cross Section: RRU1450OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RRU1470	Upstream	Downstream
Scenario: Existing	Invert: 10.58 ft	Invert: 10.20 ft
From Node: NRU1470	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1450	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	232.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RRU1490

	Upstream	Downstream
Scenario:	Existing	Invert: 11.65 ft
From Node:	NRU1490	Manning's N: 0.0120
To Node:	NRU1470	Manning's N: 0.0120
Link Count:	1	Geometry: Circular
Flow Direction:	Both	Max Depth: 2.00 ft
Damping:	0.0000 ft	Bottom Clip
Length:	268.00 ft	Default: 0.00 ft
FHWA Code:	0	Op Table:
Entr Loss Coef:	0.20	Ref Node:
Exit Loss Coef:	0.00	Manning's N: 0.0000
Bend Loss Coef:	0.00	Top Clip
Bend Location:	0.00 dec	Default: 0.00 ft
Energy Switch:	Energy	Op Table:
		Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU1490OW

	Upstream	Downstream
Scenario:	Existing	Invert: 16.28 ft
From Node:	NRU1490	Manning's N: 0.0000
To Node:	NBB0070	Manning's N: 0.0000
Link Count:	1	Geometry: Irregular
Flow Direction:	Both	Cross Section: RRU1490OW
Damping:	0.0000 ft	Cross Section: RRU1490OW
Length:	33.00 ft	
Contraction Coef:	0.00	
Expansion Coef:	0.00	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	

Comment:

Pipe Link: RRU1510		Upstream	Downstream
Scenario:	Existing	Invert: 7.60 ft	Invert: 7.10 ft
From Node:	NRU1510	Manning's N: 0.0150	Manning's N: 0.0150
To Node:	NRU1410	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	1000.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: RRU1510A		Upstream	Downstream
Scenario:	Existing	Invert: 7.60 ft	Invert: 7.10 ft
From Node:	NRU1510	Manning's N: 0.0150	Manning's N: 0.0150
To Node:	NRU1410	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	1000.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RRU1510OW		Upstream	Downstream
Scenario:	Existing	Invert: 14.06 ft	Invert: 14.05 ft
From Node:	NRU1510	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU1550	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RRU1510OW	Cross Section: RRU1510OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RRU1530	Upstream	Downstream
Scenario: Existing	Invert: 7.50 ft	Invert: 7.53 ft
From Node: NRU1530	Manning's N: 0.0170	Manning's N: 0.0170
To Node: NRU1510	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 280.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU1550	Upstream	Downstream
Scenario: Existing	Invert: 8.01 ft	Invert: 7.50 ft
From Node: NRU1550	Manning's N: 0.0150	Manning's N: 0.0150
To Node: NRU1530	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 390.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU1550OW	Upstream	Downstream
Scenario: Existing	Invert: 16.35 ft	Invert: 16.34 ft

From Node:	NRU1550	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NRU1930	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RRU1550OW	Cross Section:	RRU1550OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RRU1570	Upstream	Downstream
Scenario: Existing	Invert: 8.23 ft	Invert: 8.01 ft
From Node: NRU1570	Manning's N: 0.0160	Manning's N: 0.0160
To Node: NRU1550	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 320.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU1570OW	Upstream	Downstream
Scenario: Existing	Invert: 16.64 ft	Invert: 16.63 ft
From Node: NRU1590	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU1570	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RRU1570OW	Cross Section: RRU1570OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Pipe Link: RRU1590	Upstream	Downstream
Scenario: Existing	Invert: 13.14 ft	Invert: 12.56 ft
From Node: NRU1590	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1570	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 452.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU1610	Upstream	Downstream
Scenario: Existing	Invert: 8.39 ft	Invert: 8.23 ft
From Node: NRU1610	Manning's N: 0.0170	Manning's N: 0.0170
To Node: NRU1570	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 230.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU1610OW	Upstream	Downstream
Scenario: Existing	Invert: 17.22 ft	Invert: 17.21 ft
From Node: NRU1610	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU1650	Geometry: Irregular	Geometry: Irregular

Link Count: 1 Cross Section: RRU1610OW Cross Section: RRU1610OW
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Pipe Link: RRU1630	Upstream	Downstream
Scenario: Existing	Invert: 8.67 ft	Invert: 8.39 ft
From Node: NRU1630	Manning's N: 0.0150	Manning's N: 0.0150
To Node: NRU1610	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 420.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU1650	Upstream	Downstream
Scenario: Existing	Invert: 8.81 ft	Invert: 8.67 ft
From Node: NRU1650	Manning's N: 0.0180	Manning's N: 0.0180
To Node: NRU1630	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 210.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU1670	Upstream	Downstream
Scenario: Existing	Invert: 8.92 ft	Invert: 8.81 ft
From Node: NRU1670	Manning's N: 0.0190	Manning's N: 0.0190
To Node: NRU1650	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 150.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU1690	Upstream	Downstream
Scenario: Existing	Invert: 9.39 ft	Invert: 8.92 ft
From Node: NRU1690	Manning's N: 0.0150	Manning's N: 0.0150
To Node: NRU1670	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 700.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU1690OW	Upstream	Downstream
Scenario: Existing	Invert: 17.31 ft	Invert: 17.30 ft
From Node: NRU1690	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR2210	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RRU1690OW	Cross Section: RRU1690OW
Flow Direction: Both		

Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RRU1710

Scenario: Existing
 From Node: NRU1710
 To Node: NRU1690
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 365.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 11.04 ft
 Manning's N: 0.0160
 Geometry: Circular
 Max Depth: 3.50 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 10.31 ft
 Manning's N: 0.0160
 Geometry: Circular
 Max Depth: 3.50 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Bottom Clip

Top Clip

Comment:

Weir Link: RRU1730

Scenario: Existing
 From Node: NRU1730
 To Node: NRU1710
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 12.95 ft
 Control Elevation: 12.95 ft
 Max Depth: 9999.00 ft
 Max Width: 2.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RRU1750		Upstream	Downstream
Scenario:	Existing	Invert: 12.97 ft	Invert: 12.88 ft
From Node:	NRU1750	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU1730	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	16.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: RRU1770		Upstream	Downstream
Scenario:	Existing	Invert: 12.88 ft	Invert: 12.90 ft
From Node:	NRU1770	Manning's N: 0.0150	Manning's N: 0.0150
To Node:	NRU1750	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	215.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RRU1770OW		Upstream	Downstream
Scenario:	Existing	Invert: 15.67 ft	Invert: 15.66 ft
From Node:	NRU1770	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU1730	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RRU1770OW	Cross Section: RRU1770OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RRU1790	Upstream	Downstream
Scenario: Existing	Invert: 14.16 ft	Invert: 13.37 ft
From Node: NRU1790	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1770	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 320.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU1790OW	Upstream	Downstream
Scenario: Existing	Invert: 17.91 ft	Invert: 17.90 ft
From Node: NRU1790	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU1770	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RRU1790OW	Cross Section: RRU1790OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RRU1810	Upstream	Downstream
Scenario: Existing	Invert: 15.84 ft	Invert: 14.16 ft

From Node: NRU1810
To Node: NRU1790
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 430.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Manning's N: 0.0120

Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 1.00 ft

Max Depth: 1.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: RRU1810OW

Upstream

Downstream

Scenario: Existing

Invert: 14.87 ft

Invert: 14.86 ft

From Node: NRU1810

Manning's N: 0.0000

Manning's N: 0.0000

To Node: NRU1730

Geometry: Irregular

Geometry: Irregular

Link Count: 1

Cross Section: RRU1810OW

Cross Section: RRU1810OW

Flow Direction: Both

Damping: 0.0000 ft

Length: 33.00 ft

Contraction Coef: 0.00

Expansion Coef: 0.00

Entr Loss Coef: 0.00

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Pipe Link: RRU1830

Upstream

Downstream

Scenario: Existing

Invert: 13.23 ft

Invert: 12.88 ft

From Node: NRU1830

Manning's N: 0.0120

Manning's N: 0.0120

To Node: NRU1770

Geometry: Circular

Geometry: Circular

Link Count: 1

Max Depth: 2.00 ft

Max Depth: 2.00 ft

Flow Direction: Both

Bottom Clip

Damping: 0.0000 ft

Default: 0.00 ft

Default: 0.00 ft

Length: 167.00 ft

Op Table:

Op Table:

FHWA Code: 0

Ref Node:

Ref Node:

Entr Loss Coef: 0.20

Manning's N: 0.0000

Manning's N: 0.0000

Exit Loss Coef: 0.00

Top Clip

Bend Loss Coef: 0.00

Default: 0.00 ft

Default: 0.00 ft

Bend Location: 0.00 dec

Op Table:

Op Table:

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RRU1830OW

Upstream

Downstream

Scenario: Existing
 From Node: NRU1830
 To Node: NRU1910
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 17.98 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RRU1830OW

Invert: 17.97 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RRU1830OW

Comment:

Pipe Link: RRU1850

Upstream

Downstream

Scenario: Existing
 From Node: NRU1850
 To Node: NRU1690
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 220.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 10.80 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 3.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Invert: 10.15 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 3.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: RRU1870

Upstream

Downstream

Scenario: Existing
 From Node: NRU1870
 To Node: NRU1850

Invert: 10.93 ft
 Manning's N: 0.0120
 Geometry: Circular

Invert: 10.33 ft
 Manning's N: 0.0120
 Geometry: Circular

Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	140.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link:	RRU1890	Upstream		Downstream	
Scenario:	Existing	Invert:	11.14 ft	Invert:	10.93 ft
From Node:	NRU1890	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU1870	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	176.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link:	RRU1910	Upstream		Downstream	
Scenario:	Existing	Invert:	12.56 ft	Invert:	11.14 ft
From Node:	NRU1910	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU1890	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	1011.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RRU1910OW		Upstream	Downstream
Scenario:	Existing	Invert: 17.16 ft	Invert: 17.15 ft
From Node:	NRU1910	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU1890	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RRU1910OW	Cross Section: RRU1910OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RRU1930		Upstream	Downstream
Scenario:	Existing	Invert: 7.79 ft	Invert: 7.66 ft
From Node:	NRU1930	Manning's N: 0.0090	Manning's N: 0.0090
To Node:	NRU1530	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	106.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU1930OW		Upstream	Downstream
Scenario:	Existing	Invert: 13.82 ft	Invert: 13.81 ft
From Node:	NRU1930	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU1530	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RRU1930OW	Cross Section: RRU1930OW
Flow Direction:	Both		

Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RRU1950

Scenario: Existing
 From Node: NRU1950
 To Node: NRU1930
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 520.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 8.41 ft
 Manning's N: 0.0090
 Geometry: Circular
 Max Depth: 3.50 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 7.79 ft
 Manning's N: 0.0090
 Geometry: Circular
 Max Depth: 3.50 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Bottom Clip

Top Clip

Comment:

Pipe Link: RRU1970

Scenario: Existing
 From Node: NRU1970
 To Node: NRU1950
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 176.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 8.62 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 3.50 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 8.61 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 3.50 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Bottom Clip

Top Clip

Comment:

Pipe Link: RRU1990		Upstream	Downstream
Scenario:	Existing	Invert: 8.82 ft	Invert: 8.62 ft
From Node:	NRU1990	Manning's N: 0.0090	Manning's N: 0.0090
To Node:	NRU1970	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	168.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RRU1990OW		Upstream	Downstream
Scenario:	Existing	Invert: 17.67 ft	Invert: 17.66 ft
From Node:	NRU1990	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU1550	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RRU1990OW	Cross Section: RRU1990OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RRU2010		Upstream	Downstream
Scenario:	Existing	Invert: 9.79 ft	Invert: 8.96 ft
From Node:	NRU2010	Manning's N: 0.0090	Manning's N: 0.0090
To Node:	NRU1990	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	822.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RRU2010OW	Upstream	Downstream
Scenario: Existing	Invert: 18.73 ft	Invert: 18.72 ft
From Node: NRU2010	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU1790	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RRU2010OW	Cross Section: RRU2010OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RRU2030	Upstream	Downstream
Scenario: Existing	Invert: 10.63 ft	Invert: 10.29 ft
From Node: NRU2030	Manning's N: 0.0090	Manning's N: 0.0090
To Node: NRU2010	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 172.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU2030OW	Upstream	Downstream
Scenario: Existing	Invert: 18.35 ft	Invert: 18.34 ft

From Node:	NRU2030	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NRU1790	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RRU2030OW	Cross Section:	RRU2030OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RRU2050

	Upstream	Downstream
Scenario:	Existing	Existing
Invert:	13.13 ft	12.78 ft
From Node:	NRU2050	NRU2030
To Node:	NRU2030	NRU2050
Manning's N:	0.0090	0.0090
Geometry:	Circular	Circular
Link Count:	1	1
Max Depth:	1.00 ft	1.00 ft
Flow Direction:	Both	Both
Damping:	0.0000 ft	0.0000 ft
Length:	35.00 ft	35.00 ft
FHWA Code:	0	0
Entr Loss Coef:	0.00	0.00
Exit Loss Coef:	0.00	0.00
Bend Loss Coef:	0.00	0.00
Bend Location:	0.00 dec	0.00 dec
Energy Switch:	Energy	Energy

Comment:

Weir Link: RRU2070

Scenario:	Existing
From Node:	NRU2070
To Node:	NRU2050
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	18.43 ft
Control Elevation:	18.43 ft
Max Depth:	9999.00 ft
Max Width:	14.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600

Fillet: 0.00 ft

Orifice Table:

Comment:

Weir Link: RRU2070A

Scenario: Existing
From Node: NRU2070
To Node: NRU2050
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 17.31 ft
Control Elevation: 17.31 ft
Max Depth: 18.43 ft
Max Width: 3.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Channel Link: RRU2070OW

Upstream

Downstream

Scenario: Existing
From Node: NRU2070
To Node: NRU2030
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 19.95 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RRU2070OW

Invert: 19.94 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RRU2070OW

Comment:

Pipe Link: RRU2090

Upstream

Downstream

Scenario: Existing
From Node: NRU2090
To Node: NRU1990
Link Count: 1

Invert: 8.95 ft
Manning's N: 0.0090
Geometry: Circular
Max Depth: 3.50 ft

Invert: 8.82 ft
Manning's N: 0.0090
Geometry: Circular
Max Depth: 3.50 ft

Flow Direction: Both

Damping: 0.0000 ft

Length: 109.00 ft

FHWA Code: 0

Entr Loss Coef: 0.00

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 dec

Energy Switch: Energy

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Comment:

Channel Link: RRU2090OW

Upstream

Downstream

Scenario: Existing

From Node: NRU2110

To Node: NRU2090

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Length: 33.00 ft

Contraction Coef: 0.00

Expansion Coef: 0.00

Entr Loss Coef: 0.00

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 dec

Energy Switch: Energy

Invert: 18.80 ft

Manning's N: 0.0000

Geometry: Irregular

Cross Section: RRU2090OW

Invert: 18.79 ft

Manning's N: 0.0000

Geometry: Irregular

Cross Section: RRU2090OW

Comment:

Pipe Link: RRU2110

Upstream

Downstream

Scenario: Existing

From Node: NRU2110

To Node: NRU2090

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Length: 204.00 ft

FHWA Code: 0

Entr Loss Coef: 0.00

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 dec

Energy Switch: Energy

Invert: 9.20 ft

Manning's N: 0.0090

Geometry: Circular

Max Depth: 3.50 ft

Invert: 8.95 ft

Manning's N: 0.0090

Geometry: Circular

Max Depth: 3.50 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Comment:

Channel Link: RRU2110OW		Upstream	Downstream
Scenario:	Existing	Invert: 18.02 ft	Invert: 18.01 ft
From Node:	NRU2110	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU2230	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RRU2110OW	Cross Section: RRU2110OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RRU2130		Upstream	Downstream
Scenario:	Existing	Invert: 9.73 ft	Invert: 9.20 ft
From Node:	NRU2130	Manning's N: 0.0090	Manning's N: 0.0090
To Node:	NRU2110	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	442.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RRU2130OW		Upstream	Downstream
Scenario:	Existing	Invert: 18.54 ft	Invert: 18.53 ft
From Node:	NRU2130	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU2230	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RRU2130OW	Cross Section: RRU2130OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RRU2150	Upstream	Downstream
Scenario: Existing	Invert: 10.48 ft	Invert: 9.75 ft
From Node: NRU2150	Manning's N: 0.0090	Manning's N: 0.0090
To Node: NRU2130	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 367.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU2150OW	Upstream	Downstream
Scenario: Existing	Invert: 18.45 ft	Invert: 18.44 ft
From Node: NRU2150	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU2190	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RRU2150OW	Cross Section: RRU2150OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RRU2170	Upstream	Downstream
Scenario: Existing	Invert: 13.23 ft	Invert: 10.48 ft

From Node:	NRU2170	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	NRU2150	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	684.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: RRU2190

Scenario:	Existing	Bottom Clip			
From Node:	NRU2190	Default:	0.00 ft		
To Node:	NRU2170	Op Table:			
Link Count:	1	Ref Node:			
Flow Direction:	Both	Top Clip			
Damping:	0.0000 ft	Default:	0.00 ft		
Weir Type:	Sharp Crested Vertical	Op Table:			
Geometry Type:	Rectangular	Ref Node:			
Invert:	18.23 ft	Discharge Coefficients			
Control Elevation:	18.23 ft	Weir Default:	3.200		
Max Depth:	9999.00 ft	Weir Table:			
Max Width:	14.00 ft	Orifice Default:	0.600		
Fillet:	0.00 ft	Orifice Table:			

Comment:

Weir Link: RRU2190A

Scenario:	Existing	Bottom Clip			
From Node:	NRU2190	Default:	0.00 ft		
To Node:	NRU2170	Op Table:			
Link Count:	1	Ref Node:			
Flow Direction:	Both	Top Clip			
Damping:	0.0000 ft	Default:	0.00 ft		
Weir Type:	Sharp Crested Vertical	Op Table:			
Geometry Type:	Rectangular	Ref Node:			
Invert:	15.96 ft	Discharge Coefficients			
Control Elevation:	15.96 ft	Weir Default:	3.200		
Max Depth:	16.46 ft	Weir Table:			
Max Width:	2.00 ft	Orifice Default:	0.600		
Fillet:	0.00 ft	Orifice Table:			

Comment:

Channel Link: RRU2190OW

	Upstream	Downstream
Scenario:	Existing	Invert: 18.29 ft
From Node:	NRU2190	Invert: 18.28 ft
To Node:	NRU1830	Manning's N: 0.0000
Link Count:	1	Manning's N: 0.0000
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Geometry: Irregular
Length:	33.00 ft	Cross Section: RRU2190OW
Contraction Coef:	0.00	Cross Section: RRU2190OW
Expansion Coef:	0.00	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	

Comment:

Pipe Link: RRU2210

	Upstream	Downstream
Scenario:	Existing	Invert: 13.13 ft
From Node:	NRU2210	Invert: 12.46 ft
To Node:	NRU2130	Manning's N: 0.0090
Link Count:	1	Manning's N: 0.0090
Flow Direction:	Both	Geometry: Circular
Damping:	0.0000 ft	Geometry: Circular
Length:	140.00 ft	Max Depth: 1.50 ft
FHWA Code:	0	Max Depth: 1.50 ft
Entr Loss Coef:	0.00	Bottom Clip
Exit Loss Coef:	0.00	Default: 0.00 ft
Bend Loss Coef:	0.00	Op Table:
Bend Location:	0.00 dec	Op Table:
Energy Switch:	Energy	Ref Node:
	Manning's N: 0.0000	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
	Top Clip	Default: 0.00 ft
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RRU2230

Scenario:	Existing	Bottom Clip
From Node:	NRU2230	Default: 0.00 ft
To Node:	NRU2210	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip

Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 18.73 ft
Control Elevation: 18.73 ft
Max Depth: 9999.00 ft
Max Width: 14.00 ft
Fillet: 0.00 ft

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RRU2230A

Scenario: Existing
From Node: NRU2230
To Node: NRU2210
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 16.63 ft
Control Elevation: 16.63 ft
Max Depth: 17.13 ft
Max Width: 3.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Channel Link: RRU2230OW

Scenario: Existing
From Node: NRU2230
To Node: NRU2410
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream
Invert: 16.99 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RRU2230OW

Downstream
Invert: 16.98 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RRU2230OW

Comment:

Weir Link: RRU2250

Scenario: Existing
From Node: NRU2250
To Node: NRU2530
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 18.53 ft
Control Elevation: 18.53 ft
Max Depth: 9999.00 ft
Max Width: 14.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: RRU2250A

Scenario: Existing
From Node: NRU2250
To Node: NRU2230
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 45.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 14.13 ft
Manning's N: 0.0090

Geometry: Circular

Max Depth: 2.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Downstream

Invert: 13.99 ft
Manning's N: 0.0090

Geometry: Circular

Max Depth: 2.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Weir Link: RRU2250B

Scenario: Existing
From Node: NRU2250
To Node: NRU2530
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 16.63 ft
Control Elevation: 16.63 ft
Max Depth: 18.53 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:

Max Width: 1.90 ft
Fillet: 0.00 ft

Orifice Default: 0.600
Orifice Table:

Comment:

Channel Link: RRU2250OW	Upstream	Downstream
Scenario: Existing	Invert: 17.71 ft	Invert: 17.70 ft
From Node: NRU2250	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU2430	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RRU2250OW	Cross Section: RRU2250OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RRU2270	Upstream	Downstream
Scenario: Existing	Invert: 9.89 ft	Invert: 9.73 ft
From Node: NRU2270	Manning's N: 0.0090	Manning's N: 0.0090
To Node: NRU2130	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 252.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU2270OW	Upstream	Downstream
Scenario: Existing	Invert: 18.33 ft	Invert: 18.32 ft
From Node: NRU2270	Manning's N: 0.0000	Manning's N: 0.0000

To Node:	NRU2230	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RRU2270OW	Cross Section: RRU2270OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RRU2290	Upstream	Downstream
Scenario: Existing	Invert: 10.27 ft	Invert: 9.89 ft
From Node: NRU2290	Manning's N: 0.0090	Manning's N: 0.0090
To Node: NRU2270	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 233.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RRU2290OW	Upstream	Downstream
Scenario: Existing	Invert: 18.40 ft	Invert: 18.39 ft
From Node: NRU2310	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU2290	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RRU2290OW	Cross Section: RRU2290OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		

Energy Switch: Energy

Comment:

Pipe Link: RRU2310	Upstream	Downstream
Scenario: Existing	Invert: 10.89 ft	Invert: 10.62 ft
From Node: NRU2310	Manning's N: 0.0090	Manning's N: 0.0090
To Node: NRU2290	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 180.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU2330	Upstream	Downstream
Scenario: Existing	Invert: 11.21 ft	Invert: 10.89 ft
From Node: NRU2330	Manning's N: 0.0090	Manning's N: 0.0090
To Node: NRU2310	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 160.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU2330OW	Upstream	Downstream
Scenario: Existing	Invert: 19.06 ft	Invert: 19.05 ft
From Node: NRU2330	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU2230	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RRU2330OW	Cross Section: RRU2330OW

Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RRU2350	Upstream	Downstream
Scenario: Existing	Invert: 12.36 ft	Invert: 11.81 ft
From Node: NRU2350	Manning's N: 0.0090	Manning's N: 0.0090
To Node: NRU2330	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 110.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU2370	Upstream	Downstream
Scenario: Existing	Invert: 13.28 ft	Invert: 12.36 ft
From Node: NRU2370	Manning's N: 0.0090	Manning's N: 0.0090
To Node: NRU2350	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 184.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RRU2390

Scenario: Existing
From Node: NRU2390
To Node: NRU2370
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 18.53 ft
Control Elevation: 18.53 ft
Max Depth: 9999.00 ft
Max Width: 14.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RRU2390A

Scenario: Existing
From Node: NRU2390
To Node: NRU2370
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 15.48 ft
Control Elevation: 15.48 ft
Max Depth: 16.46 ft
Max Width: 1.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Channel Link: RRU2390OW

Scenario: Existing
From Node: NRU2390
To Node: NRU2330
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00

Upstream

Invert: 19.27 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RRU2390OW

Downstream

Invert: 19.26 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RRU2390OW

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Pipe Link: RRU2410	Upstream	Downstream
Scenario: Existing	Invert: 11.48 ft	Invert: 10.96 ft
From Node: NRU2410	Manning's N: 0.0090	Manning's N: 0.0090
To Node: NRU2310	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 261.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU2430	Upstream	Downstream
Scenario: Existing	Invert: 12.03 ft	Invert: 11.48 ft
From Node: NRU2430	Manning's N: 0.0090	Manning's N: 0.0090
To Node: NRU2410	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 275.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU2430OW	Upstream	Downstream
Scenario: Existing	Invert: 17.61 ft	Invert: 17.60 ft
From Node: NRU2430	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU2230	Geometry: Irregular	Geometry: Irregular

Link Count:	1	Cross Section:	RRU2430OW	Cross Section:	RRU2430OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RRU2450	Upstream	Downstream
Scenario: Existing	Invert: 12.43 ft	Invert: 12.03 ft
From Node: NRU2450	Manning's N: 0.0090	Manning's N: 0.0090
To Node: NRU2430	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 205.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU2450OW	Upstream	Downstream
Scenario: Existing	Invert: 17.83 ft	Invert: 17.82 ft
From Node: NRU2450	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU2250	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RRU2450OW	Cross Section: RRU2450OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RRU2470	Upstream	Downstream
Scenario: Existing	Invert: 9.77 ft	Invert: 7.50 ft
From Node: NRU2470	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1530	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 282.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU2490	Upstream	Downstream
Scenario: Existing	Invert: 10.96 ft	Invert: 10.04 ft
From Node: NRU2490	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU2470	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 400.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU2490OW	Upstream	Downstream
Scenario: Existing	Invert: 17.29 ft	Invert: 17.28 ft
From Node: NRU2490	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU2550	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RRU2490OW	Cross Section: RRU2490OW
Flow Direction: Both		

Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RRU2510	Upstream	Downstream
Scenario: Existing	Invert: 14.17 ft	Invert: 11.15 ft
From Node: NRU2510	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU2490	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 290.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU2530	Upstream	Downstream
Scenario: Existing	Invert: 14.06 ft	Invert: 13.17 ft
From Node: NRU2530	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU2510	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 150.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU2550		Upstream	Downstream
Scenario:	Existing	Invert: 8.59 ft	Invert: 8.08 ft
From Node:	NRU2550	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU1510	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	517.06 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, DM Model			

Pipe Link: RRU2570		Upstream	Downstream
Scenario:	Existing	Invert: 9.87 ft	Invert: 9.09 ft
From Node:	NRU2570	Manning's N: 0.0150	Manning's N: 0.0150
To Node:	NRU2550	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	550.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RRU2570OW		Upstream	Downstream
Scenario:	Existing	Invert: 17.26 ft	Invert: 17.25 ft
From Node:	NRU2570	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU2550	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RRU2570OW	Cross Section: RRU2570OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RRU2590	Upstream	Downstream
Scenario: Existing	Invert: 11.03 ft	Invert: 10.37 ft
From Node: NRU2590	Manning's N: 0.0150	Manning's N: 0.0150
To Node: NRU2570	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 389.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU2590OW	Upstream	Downstream
Scenario: Existing	Invert: 18.15 ft	Invert: 18.14 ft
From Node: NRU2590	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU2570	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RRU2590OW	Cross Section: RRU2590OW

Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RRU2610	Upstream	Downstream
Scenario: Existing	Invert: 11.40 ft	Invert: 11.03 ft

From Node: NRU2610
 To Node: NRU2590
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 235.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Manning's N: 0.0160

Manning's N: 0.0160

Geometry: Circular

Geometry: Circular

Max Depth: 3.00 ft

Max Depth: 3.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: RRU2610OW

Upstream

Downstream

Scenario: Existing

Invert: 18.11 ft

Invert: 18.10 ft

From Node: NRU2610

Manning's N: 0.0000

Manning's N: 0.0000

To Node: NRU2570

Geometry: Irregular

Geometry: Irregular

Link Count: 1

Cross Section: RRU2610OW

Cross Section: RRU2610OW

Flow Direction: Both

Damping: 0.0000 ft

Length: 33.00 ft

Contraction Coef: 0.00

Expansion Coef: 0.00

Entr Loss Coef: 0.00

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Pipe Link: RRU2630

Upstream

Downstream

Scenario: Existing

Invert: 12.23 ft

Invert: 11.90 ft

From Node: NRU2630

Manning's N: 0.0150

Manning's N: 0.0150

To Node: NRU2610

Geometry: Circular

Geometry: Circular

Link Count: 1

Max Depth: 2.50 ft

Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: RRU2650

Upstream

Downstream

Scenario: Existing
From Node: NRU2650
To Node: NRU2630
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 315.00 ft
FHWA Code: 0
Entr Loss Coef: 0.20
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 13.39 ft
Manning's N: 0.0150

Invert: 12.89 ft
Manning's N: 0.0150

Geometry: Circular

Geometry: Circular

Max Depth: 2.00 ft

Max Depth: 2.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: RRU2650OW

Upstream

Downstream

Scenario: Existing
From Node: NRU2650
To Node: NRU2630
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 19.04 ft
Manning's N: 0.0000

Invert: 19.03 ft
Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: RRU2650OW

Cross Section: RRU2650OW

Comment:

Pipe Link: RRU2670

Upstream

Downstream

Scenario: Existing
From Node: NRU2670
To Node: NRU1410

Invert: 9.59 ft
Manning's N: 0.0140

Invert: 8.52 ft
Manning's N: 0.0140

Geometry: Circular

Geometry: Circular

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	535.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: RRU2670OW		Upstream		Downstream	
Scenario:	Existing	Invert:	16.41 ft	Invert:	16.40 ft
From Node:	NRU2670	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NRU1430	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	RRU2670OW	Cross Section:	RRU2670OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RRU2690		Upstream		Downstream	
Scenario:	Existing	Invert:	10.69 ft	Invert:	9.59 ft
From Node:	NRU2690	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	NRU2670	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	550.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RRU2690OW		Upstream	Downstream
Scenario:	Existing	Invert: 15.74 ft	Invert: 15.73 ft
From Node:	NRU2690	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBB0310	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RRU2690OW	Cross Section: RRU2690OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RSH04		Upstream	Downstream
Scenario:	Existing	Invert: 11.89 ft	Invert: 10.71 ft
From Node:	NSH04	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	N05	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 3.58 ft	Max Depth: 3.58 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	1233.90 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment: CityPlans

Pipe Link: RSH07		Upstream	Downstream
Scenario:	Existing	Invert: 2.29 ft	Invert: 0.50 ft
From Node:	NSH07	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	SH_OUTFALL	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	163.30 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory

Pipe Link: RSH08	Upstream	Downstream
Scenario: Existing	Invert: 5.75 ft	Invert: 0.50 ft
From Node: NSH08	Manning's N: 0.0120	Manning's N: 0.0120
To Node: SH_OUTFALL	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 176.80 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RSH09	Upstream	Downstream
Scenario: Existing	Invert: 5.45 ft	Invert: 0.50 ft
From Node: NSH09	Manning's N: 0.0120	Manning's N: 0.0120
To Node: SH_OUTFALL	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 161.80 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RSH21		Upstream	Downstream
Scenario:	Existing	Invert: 7.78 ft	Invert: 4.89 ft
From Node:	NSH21	Manning's N: 0.0100	Manning's N: 0.0100
To Node:	NSH75	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.25 ft	Max Depth: 1.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	255.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: CityPlans - Stormwater Map As-builts page 131			

Pipe Link: RSH22		Upstream	Downstream
Scenario:	Existing	Invert: 9.89 ft	Invert: 8.93 ft
From Node:	NSH22	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NSH26	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 1.17 ft	Max Depth: 1.17 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	321.20 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory			

Pipe Link: RSH24		Upstream	Downstream
Scenario:	Existing	Invert: 9.96 ft	Invert: 9.89 ft
From Node:	NSH24	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NSH22	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	23.30 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RSH25	Upstream	Downstream
Scenario: Existing	Invert: 10.17 ft	Invert: 8.24 ft
From Node: NSH25	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH26	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 193.10 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RSH26	Upstream	Downstream
Scenario: Existing	Invert: 8.24 ft	Invert: 7.36 ft
From Node: NSH26	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH27A	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 291.10 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RSH27A	Upstream	Downstream
Scenario: Existing	Invert: 7.36 ft	Invert: 6.78 ft

From Node:	NSH27A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NSH27B	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	194.40 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory

Pipe Link: RSH27AA		Upstream		Downstream	
Scenario:	Existing	Invert:	9.74 ft	Invert:	9.74 ft
From Node:	NSH27AA	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	NSH27A	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	1.83 ft	Max Depth:	1.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Added per ERP 10835

Pipe Link: RSH27B			Upstream		Downstream	
Scenario:	Existing		Invert:	6.78 ft	Invert:	3.74 ft
From Node:	NSH27B		Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NSH27C		Geometry: Circular		Geometry: Circular	
Link Count:	1		Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both		Bottom Clip			
Damping:	0.0000 ft		Default:	0.00 ft	Default:	0.00 ft
Length:	404.60 ft		Op Table:		Op Table:	
FHWA Code:	0		Ref Node:		Ref Node:	
Entr Loss Coef:	0.50		Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50		Top Clip			
Bend Loss Coef:	0.00		Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec		Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment: Inventory, Field

Pipe Link: RSH27C

Upstream

Downstream

Scenario: Existing
 From Node: NSH27C
 To Node: NSH36
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 197.60 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 3.74 ft
 Manning's N: 0.0120

Invert: 2.39 ft
 Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 2.00 ft

Max Depth: 2.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Inventory, Field

Pipe Link: RSH29

Upstream

Downstream

Scenario: Existing
 From Node: NSH29
 To Node: SH_OUTFALL
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 138.40 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 1.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 6.51 ft
 Manning's N: 0.0120

Invert: 0.50 ft
 Manning's N: 0.0120

Geometry: Horizontal Ellipse

Geometry: Horizontal Ellipse

Max Depth: 1.00 ft

Max Depth: 1.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: RSH34

Upstream

Downstream

Scenario: Existing
 From Node: NSH34
 To Node: SH_OUTFALL

Invert: 6.05 ft
 Manning's N: 0.0120

Invert: 0.50 ft
 Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	172.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory

Pipe Link: RSH35	Upstream	Downstream
Scenario: Existing	Invert: 4.29 ft	Invert: 2.39 ft
From Node: NSH35	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH36	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 63.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RSH36	Upstream	Downstream
Scenario: Existing	Invert: 2.39 ft	Invert: 0.50 ft
From Node: NSH36	Manning's N: 0.0120	Manning's N: 0.0120
To Node: SH_OUTFALL	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 66.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RSH42	Upstream	Downstream
Scenario: Existing	Invert: -1.00 ft	Invert: -3.94 ft
From Node: NSH42	Manning's N: 0.0120	Manning's N: 0.0120
To Node: SH_OUTFALL	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 107.30 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: CityPlans

Pipe Link: RSH43	Upstream	Downstream
Scenario: Existing	Invert: -0.57 ft	Invert: -1.00 ft
From Node: NSH43	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH42	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 35.20 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: CityPlans

Pipe Link: RSH44	Upstream	Downstream
Scenario: Existing	Invert: 5.49 ft	Invert: 0.50 ft
From Node: NSH44	Manning's N: 0.0120	Manning's N: 0.0120
To Node: SH_OUTFALL	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	159.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory					

Pipe Link: RSH50	Upstream	Downstream
Scenario: Existing	Invert: 12.32 ft	Invert: 12.16 ft
From Node: NSH50	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH52	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 288.60 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: CityPlans		

Pipe Link: RSH52	Upstream	Downstream
Scenario: Existing	Invert: 12.22 ft	Invert: 12.15 ft
From Node: NSH52	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH54	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 3.58 ft	Max Depth: 3.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 61.30 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: CityPlans		

Pipe Link: RSH53		Upstream	Downstream
Scenario:	Existing	Invert: 13.37 ft	Invert: 12.35 ft
From Node:	NSH53	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NSH52	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	48.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: CityPlans			

Pipe Link: RSH54		Upstream	Downstream
Scenario:	Existing	Invert: 12.15 ft	Invert: 11.89 ft
From Node:	NSH54	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NSH04	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 3.58 ft	Max Depth: 3.58 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	263.80 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: CityPlans			

Pipe Link: RSH55		Upstream	Downstream
Scenario:	Existing	Invert: 12.56 ft	Invert: 12.22 ft
From Node:	NSH55	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NSH52	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 2.83 ft	Max Depth: 2.83 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	337.50 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: CityPlans

Pipe Link: RSH56	Upstream	Downstream
Scenario: Existing	Invert: 13.10 ft	Invert: 12.56 ft
From Node: NSH56	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH55	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 270.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: CityPlans

Pipe Link: RSH57	Upstream	Downstream
Scenario: Existing	Invert: 13.14 ft	Invert: 13.10 ft
From Node: NSH57	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH56	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 24.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Added per ERP 2417, Field

Pipe Link: RSH61	Upstream	Downstream
Scenario: Existing	Invert: 13.40 ft	Invert: 13.30 ft

From Node:	NSH61	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NSH50	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	8.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Added per ERP 31682

Pipe Link:	RSH65	Upstream		Downstream	
Scenario:	Existing	Invert:	20.49 ft	Invert:	19.94 ft
From Node:	NSH65	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NSH50	Geometry:	Circular	Geometry:	Circular
Link Count:	4	Max Depth:	0.33 ft	Max Depth:	0.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	19.83 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Added per ERP 28940

Pipe Link:	RSH65B	Upstream		Downstream	
Scenario:	Existing	Invert:	20.49 ft	Invert:	20.41 ft
From Node:	NSH65	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NSH50	Geometry:	Circular	Geometry:	Circular
Link Count:	4	Max Depth:	0.33 ft	Max Depth:	0.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	16.17 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment: Added per ERP 28940

Pipe Link: RSH75	Upstream	Downstream
Scenario: Existing	Invert: 1.42 ft	Invert: -0.57 ft
From Node: NSH75	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH43	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 56.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: CityPlans - Stormwater Map As-builts page 131

Channel Link: RSR0030	Upstream	Downstream
Scenario: Existing	Invert: -1.52 ft	Invert: -1.57 ft
From Node: NSR0030	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0010	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR0030	Cross Section: RSR0030
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 1200.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RSR0032OW	Upstream	Downstream
Scenario: Existing	Invert: 4.06 ft	Invert: 4.05 ft
From Node: NSR0032	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0030	Geometry: Irregular	Geometry: Irregular

Link Count: 1 Cross Section: RSR0032OW Cross Section: RSR0032OW
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: RSR0034OW	Upstream	Downstream
Scenario: Existing	Invert: 1.77 ft	Invert: 1.76 ft
From Node: NSR0034	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0030	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR0034OW	Cross Section: RSR0034OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RSR0050	Upstream	Downstream
Scenario: Existing	Invert: -1.47 ft	Invert: -1.52 ft
From Node: NSR0050	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0030	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR0050	Cross Section: RSR0050
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 1200.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR0070	Upstream	Downstream
Scenario: Existing	Invert: -0.86 ft	Invert: -0.97 ft
From Node: NSR0070	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSR0050	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 35.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR0090	Upstream	Downstream
Scenario: Existing	Invert: -0.37 ft	Invert: -0.86 ft
From Node: NSR0090	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSR0070	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 384.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR0090A	Upstream	Downstream
Scenario: Existing	Invert: 0.50 ft	Invert: 0.40 ft
From Node: NBW0090	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW0030	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	40.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RSR0090OW		Upstream	Downstream		
Scenario:	Existing	Invert:	3.06 ft	Invert:	3.05 ft
From Node:	NSR0090	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR0034	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RSR0090OW	Cross Section:	RSR0090OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RSR0100		Upstream	Downstream		
Scenario:	Existing	Invert:	1.00 ft	Invert:	0.50 ft
From Node:	NSR0100	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	NSR0005	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	95.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: RSR0100OW

Scenario: Existing
From Node: NSR0100
To Node: NSR0005
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.60 ft
Control Elevation: 5.60 ft
Max Depth: 9999.00 ft
Max Width: 10.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR0102OW

Scenario: Existing
From Node: NSR0102
To Node: NSR0100
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.50 ft
Control Elevation: 5.50 ft
Max Depth: 9999.00 ft
Max Width: 20.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR0102OWB

Scenario: Existing
From Node: NSR0102
To Node: NSR0105
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 4.70 ft
Control Elevation: 4.70 ft
Max Depth: 9999.00 ft
Max Width: 20.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.400
Weir Table:
Orifice Default: 0.600

Fillet: 0.00 ft

Orifice Table:

Comment:

Channel Link: RSR0105

	Upstream	Downstream
Scenario: Existing	Invert: 3.40 ft	Invert: -0.01 ft
From Node: NSR0105	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0000	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 146.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR0110

	Upstream	Downstream
Scenario: Existing	Invert: -1.37 ft	Invert: -1.87 ft
From Node: NSR0110	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSR0050	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 256.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR0110OW

	Upstream	Downstream
Scenario: Existing	Invert: 3.84 ft	Invert: 3.83 ft
From Node: NSR0110	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0050	Geometry: Irregular	Geometry: Irregular

Link Count: 1 Cross Section: RSR0110OW Cross Section: RSR0110OW
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RSR0112	Upstream	Downstream
Scenario: Existing	Invert: 3.06 ft	Invert: 2.97 ft
From Node: NSR0112	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0102	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 25.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RSR0112OW	Bottom Clip	
Scenario: Existing	Default: 0.00 ft	
From Node: NSR0112	Op Table:	
To Node: NSR0102	Ref Node:	
Link Count: 1	Top Clip	
Flow Direction: Both	Default: 0.00 ft	
Damping: 0.0000 ft	Op Table:	
Weir Type: Broad Crested Vertical	Ref Node:	
Geometry Type: Rectangular	Discharge Coefficients	
Invert: 4.60 ft	Weir Default: 2.600	
Control Elevation: 4.60 ft	Weir Table:	
Max Depth: 9999.00 ft	Orifice Default: 0.600	
Max Width: 10.00 ft	Orifice Table:	
Fillet: 0.00 ft		

Comment:

Channel Link: RSR0112OWB		Upstream	Downstream
Scenario:	Existing	Invert: 4.10 ft	Invert: 3.60 ft
From Node:	NSR0112	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0105	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	117.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RSR0115		Upstream	Downstream
Scenario:	Existing	Invert: 1.80 ft	Invert: 1.60 ft
From Node:	NSR0115	Manning's N: 0.0100	Manning's N: 0.0100
To Node:	NSR0102	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	40.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Weir Link: RSR0115OW			
Scenario:	Existing	Bottom Clip	
From Node:	NSR0115	Default:	0.00 ft
To Node:	NSR0102	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.75 ft	Discharge Coefficients	
Control Elevation:	4.75 ft	Weir Default:	2.600

Max Depth: 9999.00 ft
Max Width: 25.00 ft
Fillet: 0.00 ft

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR0120

Scenario: Existing
From Node: NSR0120
To Node: NSR0112
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 4.20 ft
Control Elevation: 4.20 ft
Max Depth: 9999.00 ft
Max Width: 120.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Channel Link: RSR0120OW

Scenario: Existing
From Node: NSR0120
To Node: NSR0115
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 170.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 4.20 ft

Manning's N: 0.0000

Geometry: Irregular

Cross Section: LOCAL_20FT_HALF

Downstream

Invert: 3.90 ft

Manning's N: 0.0000

Geometry: Irregular

Cross Section: LOCAL_20FT_HALF

Comment:

Pipe Link: RSR0130

Scenario: Existing
From Node: NSR0130

Upstream

Invert: -0.86 ft

Manning's N: 0.0120

Downstream

Invert: -1.37 ft

Manning's N: 0.0120

To Node:	NSR0110	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	365.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: RSR0130OW		Upstream		Downstream	
Scenario:	Existing	Invert:	4.70 ft	Invert:	4.00 ft
From Node:	NSR0130	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR0110	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	LOCAL_20FT_FULL	Cross Section:	LOCAL_20FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	362.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RSR0135		Upstream		Downstream	
Scenario:	Existing	Invert:	0.50 ft	Invert:	0.24 ft
From Node:	NSR0135	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	NSR0130	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	130.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: RSR0135OW

Upstream

Downstream

Scenario: Existing

Invert: 5.00 ft

Invert: 4.60 ft

From Node: NSR0135

Manning's N: 0.0000

Manning's N: 0.0000

To Node: NSR0130

Geometry: Irregular

Geometry: Irregular

Link Count: 1

Cross Section: LOCAL_25FT_HALF

Cross Section: LOCAL_25FT_HALF

Flow Direction: Both

Damping: 0.0000 ft

Length: 316.00 ft

Contraction Coef: 0.00

Expansion Coef: 0.00

Entr Loss Coef: 0.00

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Channel Link: RSR0135OWA

Upstream

Downstream

Scenario: Existing

Invert: 5.50 ft

Invert: 4.20 ft

From Node: NSR0135

Manning's N: 0.0000

Manning's N: 0.0000

To Node: NSR0100

Geometry: Irregular

Geometry: Irregular

Link Count: 1

Cross Section: LOCAL_20FT_FULL

Cross Section: LOCAL_20FT_FULL

Flow Direction: Both

Damping: 0.0000 ft

Length: 323.00 ft

Contraction Coef: 0.00

Expansion Coef: 0.00

Entr Loss Coef: 0.00

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Weir Link: RSR0135OWB

Scenario: Existing

Bottom Clip

From Node: NSR0135

Default: 0.00 ft

To Node: NSR0115

Op Table:

Link Count: 1

Ref Node:

Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.60 ft
Control Elevation: 5.60 ft
Max Depth: 9999.00 ft
Max Width: 25.00 ft
Fillet: 0.00 ft

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Channel Link: RSR0140OWA

Upstream

Downstream

Scenario: Existing
From Node: NSR0140
To Node: NSR0135
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 298.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 5.20 ft

Invert: 4.70 ft

Manning's N: 0.0000

Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: LOCAL_25FT_HALF

Cross Section: LOCAL_25FT_HALF

Comment:

Channel Link: RSR0140OWB

Upstream

Downstream

Scenario: Existing
From Node: NSR0140
To Node: NSR0120
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 214.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 5.20 ft

Invert: 4.20 ft

Manning's N: 0.0000

Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: LOCAL_20FT_FULL

Cross Section: LOCAL_20FT_FULL

Comment:

Pipe Link: RSR0150		Upstream	Downstream
Scenario:	Existing	Invert: -3.11 ft	Invert: -3.77 ft
From Node:	NSR0150	Manning's N: 0.0260	Manning's N: 0.0260
To Node:	NSR0050	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping:	0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	150.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.00	Op Table:	Op Table:
Exit Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip	
Energy Switch:	Energy	Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR0150A		Upstream	Downstream
Scenario:	Existing	Invert: -3.20 ft	Invert: -3.80 ft
From Node:	NSR0150	Manning's N: 0.0260	Manning's N: 0.0260
To Node:	NSR0050	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping:	0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	150.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.00	Op Table:	Op Table:
Exit Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip	
Energy Switch:	Energy	Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RSR0160OW		
Scenario:	Existing	Bottom Clip
From Node:	NSR0160	Default: 0.00 ft
To Node:	NSR0140	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft

Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 5.40 ft
 Control Elevation: 5.40 ft
 Max Depth: 9999.00 ft
 Max Width: 164.00 ft
 Fillet: 0.00 ft

Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Channel Link: RSR0160OWB

Upstream

Downstream

Scenario: Existing
 From Node: NSR0160
 To Node: NSR0165
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 304.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 5.20 ft
 Manning's N: 0.0000

Invert: 4.70 ft
 Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: LOCAL_25FT_HALF

Cross Section: LOCAL_25FT_HALF

Comment:

Channel Link: RSR0160OWC

Upstream

Downstream

Scenario: Existing
 From Node: NSR0550
 To Node: NSR0160
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 660.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 5.00 ft
 Manning's N: 0.0000

Invert: 4.10 ft
 Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: LOCAL_20FT_HALF

Cross Section: LOCAL_20FT_HALF

Comment:

Weir Link: RSR0160OWD

Scenario: Existing
 From Node: NSR0160
 To Node: NSR0140
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 5.60 ft
 Control Elevation: 5.60 ft
 Max Depth: 9999.00 ft
 Max Width: 300.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RSR0165

Scenario: Existing
 From Node: NSR0165
 To Node: NSR0170
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 380.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 0.75 ft
 Manning's N: 0.0130

Geometry: Circular

Max Depth: 1.25 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: -0.01 ft
 Manning's N: 0.0130

Geometry: Circular

Max Depth: 1.25 ft

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Weir Link: RSR0165OW

Scenario: Existing
 From Node: NSR0165
 To Node: NSR0135
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 5.30 ft
 Control Elevation: 5.30 ft
 Max Depth: 9999.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.600
 Weir Table:

Max Width: 130.00 ft
Fillet: 0.00 ft

Orifice Default: 0.600
Orifice Table:

Comment:

Channel Link: RSR0165OWB**Upstream****Downstream**

Scenario:	Existing	Invert:	5.00 ft	Invert:	4.10 ft
From Node:	NSR0165	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR0170	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	LOCAL_25FT_HALF	Cross Section:	LOCAL_25FT_HALF
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	504.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Weir Link: RSR0165OWC

Scenario:	Existing	Bottom Clip	
From Node:	NSR0165	Default:	0.00 ft
To Node:	NSR0135	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.60 ft	Discharge Coefficients	
Control Elevation:	5.60 ft	Weir Default:	2.600
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	200.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: RSR0170**Upstream****Downstream**

Scenario:	Existing	Invert:	-1.87 ft	Invert:	-1.97 ft
From Node:	NSR0170	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	NSR0150	Geometry:	Circular	Geometry:	Circular

Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	38.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: RSR0170OWA			
Scenario:	Existing	Bottom Clip	
From Node:	NSR0170	Default:	0.00 ft
To Node:	NSR0130	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.10 ft	Discharge Coefficients	
Control Elevation:	5.10 ft	Weir Default:	2.600
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	200.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Weir Link: RSR0170OWB		
Scenario:	Existing	Bottom Clip
From Node:	NSR0170	Default: 0.00 ft
To Node:	NSR0130	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	5.20 ft	Discharge Coefficients
Control Elevation:	5.20 ft	Weir Default: 2.600
Max Depth:	9999.00 ft	Weir Table:
Max Width:	125.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Weir Link: RSR0170OWC

Scenario: Existing
 From Node: NSR0170
 To Node: NSR0050
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 5.00 ft
 Control Elevation: 5.00 ft
 Max Depth: 9999.00 ft
 Max Width: 150.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: RSR0170OWD

Scenario: Existing
 From Node: NSR0170
 To Node: NSR0050
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 5.30 ft
 Control Elevation: 5.30 ft
 Max Depth: 9999.00 ft
 Max Width: 100.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RSR0180

Scenario: Existing
 From Node: NSR0180
 To Node: NBW1090
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 30.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 1.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec

Upstream

Invert: 0.50 ft
 Manning's N: 0.0130

Geometry: Circular

Max Depth: 1.50 ft

Downstream

Invert: -0.70 ft
 Manning's N: 0.0130

Geometry: Circular

Max Depth: 1.50 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:

Default: 0.00 ft
 Op Table:

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Weir Link: RSR0180OW

Scenario: Existing
From Node: NSR0180
To Node: NBW1090
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 4.60 ft
Control Elevation: 4.60 ft
Max Depth: 9999.00 ft
Max Width: 20.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: RSR0180OWA

Scenario: Existing
From Node: NSR0180
To Node: NBW0050
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.10 ft
Control Elevation: 5.10 ft
Max Depth: 9999.00 ft
Max Width: 300.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: RSR0180OWC

Scenario: Existing
From Node: NSR0180
To Node: NBW0050
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 5.50 ft
 Control Elevation: 5.50 ft
 Max Depth: 9999.00 ft
 Max Width: 300.00 ft
 Fillet: 0.00 ft

Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: RSR0180OWD

Scenario: Existing
 From Node: NSR0180
 To Node: NSR0160
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 5.40 ft
 Control Elevation: 5.40 ft
 Max Depth: 9999.00 ft
 Max Width: 36.00 ft
 Fillet: 0.00 ft

Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RSR0190

Scenario: Existing
 From Node: NSR0190
 To Node: NSR0150
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 42.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

	Upstream	Downstream
Invert:	-1.32 ft	-1.48 ft
Manning's N:	0.0160	0.0160
Geometry:	Horizontal Ellipse	Horizontal Ellipse
Max Depth:	2.00 ft	2.00 ft
Bottom Clip		
Default:	0.00 ft	0.00 ft
Op Table:		
Ref Node:		
Manning's N:	0.0000	0.0000
Top Clip		
Default:	0.00 ft	0.00 ft
Op Table:		
Ref Node:		
Manning's N:	0.0000	0.0000

Comment:

Channel Link: RSR0190OW		Upstream	Downstream
Scenario:	Existing	Invert: 3.98 ft	Invert: 3.97 ft
From Node:	NSR0190	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0890	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RSR0190OW	Cross Section: RSR0190OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RSR0210		Upstream	Downstream
Scenario:	Existing	Invert: -1.03 ft	Invert: -1.32 ft
From Node:	NSR0210	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NSR0190	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	50.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: RSR0230		Upstream	Downstream
Scenario:	Existing	Invert: -0.58 ft	Invert: -1.03 ft
From Node:	NSR0230	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NSR0210	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	118.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RSR0230OW	Upstream	Downstream
Scenario: Existing	Invert: 3.46 ft	Invert: 3.45 ft
From Node: NSR0230	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0210	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR0230OW	Cross Section: RSR0230OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RSR0250	Upstream	Downstream
Scenario: Existing	Invert: -2.40 ft	Invert: -3.20 ft
From Node: NSR0250	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0150	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR0250	Cross Section: RSR0250
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 600.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RSR0270OW	Upstream	Downstream
Scenario: Existing	Invert: 2.80 ft	Invert: 2.79 ft

From Node:	NSR0270	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR0250	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RSR0270OW	Cross Section:	RSR0270OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: RSR0280OW		Upstream	Downstream
Scenario:	Existing	Invert: 5.50 ft	Invert: 3.90 ft
From Node:	NSR0280	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0550	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_20FT_HALF	Cross Section: LOCAL_20FT_HALF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	266.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: RSR0280OWA		Upstream	Downstream
Scenario:	Existing	Invert: 6.30 ft	Invert: 4.50 ft
From Node:	NSR0280	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0590	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	417.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Weir Link: RSR0280OWB

Scenario:	Existing	Bottom Clip
From Node:	NSR0280	Default: 0.00 ft
To Node:	NSR0560	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	6.50 ft	Discharge Coefficients
Control Elevation:	6.50 ft	Weir Default: 2.400
Max Depth:	9999.00 ft	Weir Table:
Max Width:	25.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Weir Link: RSR0280OWC

Scenario:	Existing	Bottom Clip
From Node:	NSR0280	Default: 0.00 ft
To Node:	NSR0540	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	5.70 ft	Discharge Coefficients
Control Elevation:	5.70 ft	Weir Default: 2.600
Max Depth:	9999.00 ft	Weir Table:
Max Width:	180.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Weir Link: RSR0280OWD

Scenario:	Existing	Bottom Clip
From Node:	NSR0280	Default: 0.00 ft
To Node:	NSR0540	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip

Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 6.00 ft
 Control Elevation: 6.00 ft
 Max Depth: 9999.00 ft
 Max Width: 270.00 ft
 Fillet: 0.00 ft

Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Channel Link: RSR0281OWA

Scenario: Existing
 From Node: NSR0281
 To Node: NSR0280
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 385.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 6.00 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: LOCAL_20FT_HALF

Downstream

Invert: 5.50 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: LOCAL_20FT_HALF

Comment:

Pipe Link: RSR0290

Scenario: Existing
 From Node: NSR0290
 To Node: NSR0490
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 670.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 0.13 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 3.50 ft

Downstream

Invert: -1.32 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 3.50 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: RSR0290OW		Upstream	Downstream
Scenario:	Existing	Invert: 6.23 ft	Invert: 6.22 ft
From Node:	NSR0290	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0950	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RSR0290OW	Cross Section: RSR0290OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: RSR0290OWB		Upstream	Downstream
Scenario:	Existing	Invert: 6.70 ft	Invert: 3.50 ft
From Node:	NSR0290	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0490	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_20FT_HALF	Cross Section: LOCAL_20FT_HALF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	645.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RSR0310		Upstream	Downstream
Scenario:	Existing	Invert: 2.97 ft	Invert: 0.63 ft
From Node:	NSR0310	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NSR0290	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	650.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RSR0310OW		Upstream	Downstream
Scenario:	Existing	Invert: 9.00 ft	Invert: 6.60 ft
From Node:	NSR0310	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0290	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	458.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: RSR0310OWB		Upstream	Downstream
Scenario:	Existing	Invert: 10.00 ft	Invert: 9.40 ft
From Node:	NSR0950	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0310	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	666.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RSR0330		Upstream	Downstream
Scenario:	Existing	Invert: 4.52 ft	Invert: 3.98 ft

From Node:	NSR0330	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	NSR0310	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	32.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link:	RSR0350	Upstream		Downstream	
Scenario:	Existing	Invert:	5.23 ft	Invert:	4.52 ft
From Node:	NSR0350	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	NSR0330	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	17.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: RSR0370			
Scenario:	Existing	Bottom Clip	
From Node:	NSR0370	Default:	0.00 ft
To Node:	NSR0350	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	9.83 ft	Discharge Coefficients	
Control Elevation:	9.83 ft	Weir Default:	3.200
Max Depth:	833.25 ft	Weir Table:	
Max Width:	14.00 ft	Orifice Default:	0.600

Fillet: 0.00 ft

Orifice Table:

Comment:

Weir Link: RSR0370A

Scenario: Existing
 From Node: NSR0370
 To Node: NSR0350
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 9.45 ft
 Control Elevation: 9.45 ft
 Max Depth: 0.38 ft
 Max Width: 0.25 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: RSR0390

Upstream

Downstream

Scenario: Existing
 From Node: NSR0390
 To Node: NSR0310
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 664.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 5.48 ft

Manning's N: 0.0130

Geometry: Circular

Max Depth: 2.50 ft

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Invert: 3.47 ft

Manning's N: 0.0130

Geometry: Circular

Max Depth: 2.50 ft

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Comment:

Channel Link: RSR0390OW

Upstream

Downstream

Scenario: Existing
 From Node: NSR0390
 To Node: NSR0790
 Link Count: 1

Invert: 12.10 ft

Manning's N: 0.0000

Geometry: Irregular

Cross Section: LOCAL_20FT_FULL

Invert: 10.00 ft

Manning's N: 0.0000

Geometry: Irregular

Cross Section: LOCAL_20FT_FULL

Flow Direction: Both
Damping: 0.0000 ft
Length: 628.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: RSR0390OWA**Upstream****Downstream**

Scenario: Existing
From Node: NSR0390
To Node: NSR0310
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 606.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 12.00 ft

Invert: 8.80 ft

Manning's N: 0.0000

Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: LOCAL_20FT_FULL

Cross Section: LOCAL_20FT_FULL

Comment:

Channel Link: RSR0390OWB**Upstream****Downstream**

Scenario: Existing
From Node: NSR0390
To Node: NSR0281
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 620.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 12.60 ft

Invert: 6.00 ft

Manning's N: 0.0000

Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: LOCAL_20FT_HALF

Cross Section: LOCAL_20FT_HALF

Comment:

Pipe Link: RSR0410		Upstream	Downstream
Scenario:	Existing	Invert: 7.06 ft	Invert: 6.72 ft
From Node:	NSR0410	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NSR0390	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	60.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RSR0430		
Scenario:	Existing	Bottom Clip
From Node:	NSR0430	Default: 0.00 ft
To Node:	NSR0410	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	11.83 ft	Discharge Coefficients
Control Elevation:	11.83 ft	Weir Default: 3.200
Max Depth:	9999.00 ft	Weir Table:
Max Width:	15.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Weir Link: RSR0430A		
Scenario:	Existing	Bottom Clip
From Node:	NSR0430	Default: 0.00 ft
To Node:	NSR0410	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	11.53 ft	Discharge Coefficients
Control Elevation:	11.53 ft	Weir Default: 3.200
Max Depth:	0.25 ft	Weir Table:

Max Width: 0.25 ft
Fillet: 0.00 ft

Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR0430OWD

Scenario: Existing
From Node: NSR0430
To Node: NSR0370
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 13.14 ft
Control Elevation: 13.14 ft
Max Depth: 9999.00 ft
Max Width: 20.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: RSR0450

Upstream

Downstream

Scenario: Existing
From Node: NSR0450
To Node: NSR0390
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 632.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 8.24 ft
Manning's N: 0.0130

Invert: 5.55 ft
Manning's N: 0.0130

Geometry: Circular

Geometry: Circular

Max Depth: 2.50 ft

Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: RSR0450OW

Upstream

Downstream

Scenario: Existing
From Node: NSR0450
To Node: NSR0390

Invert: 13.80 ft
Manning's N: 0.0000

Invert: 11.60 ft
Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Link Count: 1 Cross Section: LOCAL_20FT_FULL Cross Section: LOCAL_20FT_FULL
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 628.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RSR0470	Upstream	Downstream
Scenario: Existing	Invert: 7.83 ft	Invert: 8.24 ft
From Node: NSR0470	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0450	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 40.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RSR0470OWA	Bottom Clip	
Scenario: Existing	Default: 0.00 ft	
From Node: NSR0470	Op Table:	
To Node: NSR0390	Ref Node:	
Link Count: 1	Top Clip	
Flow Direction: Both	Default: 0.00 ft	
Damping: 0.0000 ft	Op Table:	
Weir Type: Broad Crested Vertical	Ref Node:	
Geometry Type: Rectangular	Discharge Coefficients	
Invert: 14.30 ft	Weir Default: 2.600	
Control Elevation: 14.30 ft	Weir Table:	
Max Depth: 9999.00 ft	Orifice Default: 0.600	
Max Width: 68.00 ft	Orifice Table:	
Fillet: 0.00 ft		

Comment:

Pipe Link: RSR0490		Upstream	Downstream
Scenario:	Existing	Invert: -1.33 ft	Invert: -2.40 ft
From Node:	NSR0490	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	NSR0890	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping:	0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	200.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.00	Op Table:	Op Table:
Exit Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip	
Energy Switch:	Energy	Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR0490OW		Upstream	Downstream
Scenario:	Existing	Invert: 3.82 ft	Invert: 3.81 ft
From Node:	NSR0490	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0270	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RSR0490OW	Cross Section: RSR0490OW
Flow Direction:	Both		
Damping:	0.0000		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RSR0510		Upstream	Downstream
Scenario:	Existing	Invert: -1.45 ft	Invert: -1.54 ft
From Node:	NSR0510	Manning's N: 0.0150	Manning's N: 0.0150
To Node:	NSR0490	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping:	0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	339.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft

Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft

Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RSR0510OWB

Scenario: Existing	Bottom Clip
From Node: NSR0510	Default: 0.00 ft
To Node: NSR0490	Op Table:
Link Count: 1	Ref Node:
Flow Direction: Both	Top Clip
Damping: 0.0000 ft	Default: 0.00 ft
Weir Type: Broad Crested Vertical	Op Table:
Geometry Type: Rectangular	Ref Node:
Invert: 4.20 ft	Discharge Coefficients
Control Elevation: 4.20 ft	Weir Default: 2.400
Max Depth: 9999.00 ft	Weir Table:
Max Width: 20.00 ft	Orifice Default: 0.600
Fillet: 0.00 ft	Orifice Table:

Comment:

Pipe Link: RSR0530

	Upstream	Downstream
Scenario: Existing	Invert: -0.27 ft	Invert: -0.37 ft
From Node: NSR0530	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0510	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 47.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RSR0530OW

Scenario: Existing
From Node: NSR0530
To Node: NSR0510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.10 ft
Control Elevation: 5.10 ft
Max Depth: 9999.00 ft
Max Width: 20.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR0530OWB

Scenario: Existing
From Node: NSR0530
To Node: NSR0165
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.30 ft
Control Elevation: 5.30 ft
Max Depth: 9999.00 ft
Max Width: 20.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR0530OWC

Scenario: Existing
From Node: NSR0530
To Node: NSR0170
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.20 ft
Control Elevation: 5.20 ft
Max Depth: 9999.00 ft
Max Width: 30.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Fillet: 0.00 ft

Orifice Table:

Comment:

Pipe Link: RSR0540

Upstream

Downstream

Scenario: Existing
From Node: NSR0540
To Node: NSR0510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 230.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: -1.38 ft
Manning's N: 0.0130

Invert: -1.45 ft
Manning's N: 0.0130

Geometry: Rectangular

Geometry: Rectangular

Max Depth: 3.50 ft

Max Depth: 3.50 ft

Max Width: 6.00 ft

Max Width: 6.00 ft

Fillet: 0.00 ft

Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Weir Link: RSR0540OW

Scenario: Existing
From Node: NSR0540
To Node: NSR0510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 4.50 ft
Control Elevation: 4.50 ft
Max Depth: 9999.00 ft
Max Width: 15.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.400

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: RSR0540OWA

Scenario: Existing
From Node: NSR0540

Bottom Clip

Default: 0.00 ft

To Node: NSR0165
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.00 ft
Control Elevation: 5.00 ft
Max Depth: 9999.00 ft
Max Width: 20.00 ft
Fillet: 0.00 ft

Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR0540OWB

Scenario: Existing
From Node: NSR0540
To Node: NSR0530
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.40 ft
Control Elevation: 5.40 ft
Max Depth: 9999.00 ft
Max Width: 60.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR0540OWC

Scenario: Existing
From Node: NSR0540
To Node: NSR0530
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.20 ft
Control Elevation: 5.20 ft
Max Depth: 9999.00 ft
Max Width: 40.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR0540OWD

Scenario: Existing
From Node: NSR0540
To Node: NSR0165
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.90 ft
Control Elevation: 5.90 ft
Max Depth: 9999.00 ft
Max Width: 70.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: RSR0550

Scenario: Existing
From Node: NSR0550
To Node: NSR0540
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 60.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: -1.29 ft
Manning's N: 0.0130

Geometry: Rectangular

Max Depth: 3.50 ft
Max Width: 6.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Downstream

Invert: -1.38 ft
Manning's N: 0.0130

Geometry: Rectangular

Max Depth: 3.50 ft
Max Width: 6.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Weir Link: RSR0550OW

Scenario: Existing
From Node: NSR0550
To Node: NSR0540
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 4.20 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Control Elevation: 4.20 ft
 Max Depth: 9999.00 ft
 Max Width: 70.00 ft
 Fillet: 0.00 ft

Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: RSR0550WB

Scenario: Existing
 From Node: NSR0550
 To Node: NSR0165
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 5.20 ft
 Control Elevation: 5.20 ft
 Max Depth: 9999.00 ft
 Max Width: 115.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RSR0560

Scenario: Existing
 From Node: NSR0560
 To Node: NSR0550
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 150.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: -1.06 ft
 Manning's N: 0.0130
 Geometry: Rectangular
 Max Depth: 3.50 ft
 Max Width: 6.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: -1.29 ft
 Manning's N: 0.0130
 Geometry: Rectangular
 Max Depth: 3.50 ft
 Max Width: 6.00 ft
 Fillet: 0.00 ft

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Comment:

Weir Link: RSR0560OW

Scenario: Existing
From Node: NSR0560
To Node: NSR0550
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 4.20 ft
Control Elevation: 4.20 ft
Max Depth: 9999.00 ft
Max Width: 65.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR0560OWB

Scenario: Existing
From Node: NSR0560
To Node: NSR0550
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 4.50 ft
Control Elevation: 4.50 ft
Max Depth: 9999.00 ft
Max Width: 70.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR0560OWC

Scenario: Existing
From Node: NSR0560
To Node: NSR0160
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.80 ft
Control Elevation: 5.80 ft
Max Depth: 9999.00 ft
Max Width: 75.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Fillet: 0.00 ft

Orifice Table:

Comment:

Pipe Link: RSR0570

Scenario: Existing
From Node: NSR0570
To Node: NSR0560
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 480.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: -0.80 ft
Manning's N: 0.0130
Geometry: Rectangular
Max Depth: 3.50 ft
Max Width: 6.00 ft
Fillet: 0.00 ft

Downstream

Invert: -1.06 ft
Manning's N: 0.0130
Geometry: Rectangular
Max Depth: 3.50 ft
Max Width: 6.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RSR0570OW

Scenario: Existing
From Node: NSR0570
To Node: NSR0560
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 328.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 5.00 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: CURB_20FT_FULL

Downstream

Invert: 3.90 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: CURB_20FT_FULL

Comment:

Channel Link: RSR0570OWA

Scenario: Existing

Upstream

Invert: 5.40 ft

Downstream

Invert: 4.90 ft

From Node:	NSR0570	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR0180	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	LOCAL_20FT_FULL	Cross Section:	LOCAL_20FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	131.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Weir Link: RSR0570OWB

Scenario:	Existing	Bottom Clip	
From Node:	NSR0180	Default:	0.00 ft
To Node:	NBW0050	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.30 ft	Discharge Coefficients	
Control Elevation:	5.30 ft	Weir Default:	2.600
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	300.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Channel Link: RSR0570OWC

	Upstream	Downstream			
Scenario:	Existing				
From Node:	NSR0570	Invert:	6.40 ft	Invert:	5.50 ft
To Node:	NSR0610	Manning's N:	0.0000	Manning's N:	0.0000
Link Count:	1	Geometry:	Irregular	Geometry:	Irregular
Flow Direction:	Both	Cross Section:	CURB_25FT_FULL	Cross Section:	CURB_25FT_FULL
Damping:	0.0000 ft				
Length:	562.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				

Energy Switch: Energy

Comment:

Pipe Link: RSR0580	Upstream	Downstream
Scenario: Existing	Invert: 0.86 ft	Invert: 0.28 ft
From Node: NSR0580	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0650	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 290.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RSR0580OW	
Scenario: Existing	Bottom Clip
From Node: NSR0580	Default: 0.00 ft
To Node: NSR0650	Op Table:
Link Count: 1	Ref Node:
Flow Direction: Both	Top Clip
Damping: 0.0000 ft	Default: 0.00 ft
Weir Type: Broad Crested Vertical	Op Table:
Geometry Type: Rectangular	Ref Node:
Invert: 7.40 ft	Discharge Coefficients
Control Elevation: 7.40 ft	Weir Default: 2.600
Max Depth: 9999.00 ft	Weir Table:
Max Width: 10.00 ft	Orifice Default: 0.600
Fillet: 0.00 ft	Orifice Table:

Comment:

Channel Link: RSR0580OWB	Upstream	Downstream
Scenario: Existing	Invert: 5.80 ft	Invert: 4.70 ft
From Node: NSR0580	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1190	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL
Flow Direction: Both		

Damping: 0.0000 ft
 Length: 220.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Weir Link: RSR0580OWC

Scenario:	Existing	Bottom Clip
From Node:	NSR0580	Default: 0.00 ft
To Node:	NSR0610	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	7.70 ft	Discharge Coefficients
Control Elevation:	7.70 ft	Weir Default: 2.400
Max Depth:	9999.00 ft	Weir Table:
Max Width:	50.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Pipe Link: RSR0590

	Upstream	Downstream
Scenario:	Existing	
Invert:	-0.70 ft	Invert: -0.80 ft
From Node:	NSR0590	Manning's N: 0.0130
To Node:	NSR0570	Manning's N: 0.0130
Geometry:	Rectangular	Geometry: Rectangular
Link Count:	1	
Max Depth:	3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Max Width: 6.00 ft
Damping:	0.0000 ft	Max Width: 6.00 ft
Length:	631.00 ft	Fillet: 0.00 ft
Fillet:	0.00 ft	Fillet: 0.00 ft
	Bottom Clip	
Default:	0.00 ft	Default: 0.00 ft
Op Table:		Op Table:
Ref Node:		Ref Node:
Manning's N:	0.0000	Manning's N: 0.0000
	Top Clip	
Default:	0.00 ft	Default: 0.00 ft
Op Table:		Op Table:
Ref Node:		Ref Node:
Manning's N:	0.0000	Manning's N: 0.0000

Comment:

Weir Link: RSR0590AOW

Scenario: Existing
 From Node: NSR0590
 To Node: NSR0570
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 7.00 ft
 Control Elevation: 7.00 ft
 Max Depth: 9999.00 ft
 Max Width: 20.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.400
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: RSR0590OWB

Scenario: Existing
 From Node: NSR0590
 To Node: NSR0560
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 6.80 ft
 Control Elevation: 6.80 ft
 Max Depth: 9999.00 ft
 Max Width: 20.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.400
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RSR0610

Scenario: Existing
 From Node: NSR0610
 To Node: NSR0590
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 153.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec

Upstream

Invert: -0.40 ft
 Manning's N: 0.0130

Geometry: Circular

Max Depth: 2.50 ft

Downstream

Invert: -0.70 ft
 Manning's N: 0.0130

Geometry: Circular

Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:

Default: 0.00 ft
 Op Table:

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Weir Link: RSR0610OW

Scenario: Existing
From Node: NSR0610
To Node: NSR0590
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 6.70 ft
Control Elevation: 6.70 ft
Max Depth: 9999.00 ft
Max Width: 10.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.400

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: RSR0610OWB

Scenario: Existing
From Node: NSR0610
To Node: NSR0730
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 6.00 ft
Control Elevation: 6.00 ft
Max Depth: 9999.00 ft
Max Width: 60.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.400

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: RSR0630

Scenario: Existing
From Node: NSR0630
To Node: NSR0610
Link Count: 1
Flow Direction: Both

Upstream

Invert: -0.29 ft
Manning's N: 0.0130
Geometry: Circular
Max Depth: 2.50 ft

Downstream

Invert: -0.40 ft
Manning's N: 0.0130
Geometry: Circular
Max Depth: 2.50 ft

Bottom Clip

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	52.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RSR0650

	Upstream	Downstream	
Scenario:	Existing	Invert: -0.29 ft	
From Node:	NSR0650	Manning's N: 0.0130	
To Node:	NSR0630	Geometry: Circular	
Link Count:	1	Max Depth: 2.00 ft	
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	286.00 ft	Op Table:	
FHWA Code:	0	Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000

Comment:

Channel Link: RSR0650OV

	Upstream	Downstream
Scenario:	Existing	Invert: 5.50 ft
From Node:	NSR0650	Manning's N: 0.0000
To Node:	NSR0610	Geometry: Irregular
Link Count:	1	Cross Section: CURB_25FT_FULL
Flow Direction:	Both	Cross Section: CURB_25FT_FULL
Damping:	0.0000 ft	
Length:	183.00 ft	
Contraction Coef:	0.00	
Expansion Coef:	0.00	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	

Comment:

Weir Link: RSR0650OWA

Scenario: Existing
 From Node: NSR0650
 To Node: NBW1190
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 6.00 ft
 Control Elevation: 6.00 ft
 Max Depth: 9999.00 ft
 Max Width: 40.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: RSR0650OWB

Scenario: Existing
 From Node: NSR0650
 To Node: NSR0660
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 6.30 ft
 Control Elevation: 6.30 ft
 Max Depth: 9999.00 ft
 Max Width: 40.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RSR0660

Scenario: Existing
 From Node: NSR0660
 To Node: NBW1169
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 150.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 1.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec

Upstream

Invert: 1.10 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 1.25 ft

Downstream

Invert: 0.00 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 1.25 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:

Default: 0.00 ft
 Op Table:

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RSR0660OWA

Upstream

Downstream

Scenario: Existing
From Node: NSR0660
To Node: NBW1190
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 268.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 5.70 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: CURB_25FT_FULL

Invert: 4.70 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: CURB_25FT_FULL

Comment:

Weir Link: RSR0660OWB

Scenario: Existing
From Node: NSR0660
To Node: NBW1169
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 6.50 ft
Control Elevation: 6.50 ft
Max Depth: 9999.00 ft
Max Width: 10.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR0660OWC

Scenario: Existing
From Node: NSR0660
To Node: NSR0680
Link Count: 1

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 6.00 ft
 Control Elevation: 6.00 ft
 Max Depth: 9999.00 ft
 Max Width: 80.00 ft
 Fillet: 0.00 ft

Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RSR0670

Scenario: Existing
 From Node: NSR0670
 To Node: NSR0650
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 34.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 0.35 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 2.00 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 0.28 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 2.00 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: RSR0680

Scenario: Existing
 From Node: NSR0680
 To Node: NSR0710
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 500.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 1.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 1.72 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 1.50 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 0.72 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 1.50 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: RSR0680OWA		
	Upstream	Downstream
Scenario: Existing	Invert: 6.10 ft	Invert: 4.20 ft
From Node: NSR0680	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0570	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CURB_20FT_FULL	Cross Section: CURB_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 575.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Weir Link: RSR0680OWB		
Scenario: Existing	Bottom Clip	
From Node: NSR0680	Default: 0.00 ft	
To Node: NSR0650	Op Table:	
Link Count: 1	Ref Node:	
Flow Direction: Both	Top Clip	
Damping: 0.0000 ft	Default: 0.00 ft	
Weir Type: Broad Crested Vertical	Op Table:	
Geometry Type: Rectangular	Ref Node:	
Invert: 6.50 ft	Discharge Coefficients	
Control Elevation: 6.50 ft	Weir Default: 2.400	
Max Depth: 9999.00 ft	Weir Table:	
Max Width: 60.00 ft	Orifice Default: 0.600	
Fillet: 0.00 ft	Orifice Table:	

Comment:

Pipe Link: RSR0690		
	Upstream	Downstream
Scenario: Existing	Invert: 0.50 ft	Invert: 0.35 ft
From Node: NSR0690	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0670	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	
Length: 75.00 ft	Op Table:	
FHWA Code: 0	Ref Node:	
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	

Bend Location: 0.00 dec
Energy Switch: Energy

Op Table:
Ref Node:
Manning's N: 0.0000

Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: RSR0710

Scenario: Existing
From Node: NSR0710
To Node: NSR0690
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 112.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream
Invert: 0.72 ft
Manning's N: 0.0130

Downstream
Invert: 0.50 ft
Manning's N: 0.0130

Geometry: Circular

Geometry: Circular

Max Depth: 2.00 ft

Max Depth: 2.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: RSR0730

Scenario: Existing
From Node: NSR0730
To Node: NSR0590
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 361.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream
Invert: -0.57 ft
Manning's N: 0.0130

Downstream
Invert: -0.70 ft
Manning's N: 0.0130

Geometry: Rectangular

Geometry: Rectangular

Max Depth: 3.50 ft

Max Depth: 3.50 ft

Max Width: 6.00 ft

Max Width: 6.00 ft

Fillet: 0.00 ft

Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Weir Link: RSR0730OW

Scenario: Existing
From Node: NSR0730
To Node: NSR0590
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.80 ft
Control Elevation: 5.80 ft
Max Depth: 9999.00 ft
Max Width: 25.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.400

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: RSR0730OWA

Scenario: Existing
From Node: NSR0730
To Node: NSR0281
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 6.50 ft
Control Elevation: 6.50 ft
Max Depth: 9999.00 ft
Max Width: 30.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.400

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: RSR0730OWB

Scenario: Existing
From Node: NSR0730
To Node: NSR0590
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 6.00 ft
Control Elevation: 6.00 ft
Max Depth: 9999.00 ft
Max Width: 40.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.400

Weir Table:

Orifice Default: 0.600

Fillet: 0.00 ft

Orifice Table:

Comment:

Pipe Link: RSR0770

Scenario: Existing
From Node: NSR0770
To Node: NSR0730
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 305.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 1.26 ft
Manning's N: 0.0130
Geometry: Rectangular
Max Depth: 3.50 ft
Max Width: 6.00 ft
Fillet: 0.00 ft

Downstream

Invert: -0.57 ft
Manning's N: 0.0130
Geometry: Rectangular
Max Depth: 3.50 ft
Max Width: 6.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Weir Link: RSR0770OW

Scenario: Existing
From Node: NSR0770
To Node: NSR0730
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 7.50 ft
Control Elevation: 7.50 ft
Max Depth: 9999.00 ft
Max Width: 150.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR0770OWB

Scenario: Existing
From Node: NSR0770

Bottom Clip

Default: 0.00 ft

To Node: NSR0610
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 7.20 ft
 Control Elevation: 7.20 ft
 Max Depth: 9999.00 ft
 Max Width: 20.00 ft
 Fillet: 0.00 ft

Op Table:
 Ref Node:
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.400
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RSR0780A

Scenario: Existing
 From Node: NSR0780
 To Node: NSR0770
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 190.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 1.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 2.65 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 1.25 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 2.50 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 1.25 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: RSR0780OW

Scenario: Existing
 From Node: NSR0780
 To Node: NSR0610
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 698.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec

Upstream

Invert: 6.40 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: CURB_25FT_HALF

Downstream

Invert: 5.40 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: CURB_25FT_HALF

Energy Switch: Energy

Comment:

Weir Link: RSR0780OWA

Scenario: Existing
 From Node: NSR0780
 To Node: NSR0770
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 8.30 ft
 Control Elevation: 8.30 ft
 Max Depth: 9999.00 ft
 Max Width: 10.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.400
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RSR0790

Scenario: Existing
 From Node: NSR0790
 To Node: NSR0770
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 400.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 5.01 ft
 Manning's N: 0.0130

Geometry: Rectangular

Max Depth: 3.50 ft
 Max Width: 4.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 1.26 ft
 Manning's N: 0.0130

Geometry: Rectangular

Max Depth: 3.50 ft
 Max Width: 4.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: RSR0790OW

Scenario: Existing
 From Node: NSR0790
 To Node: NSR0770

Upstream

Invert: 10.40 ft
 Manning's N: 0.0000

Geometry: Irregular

Downstream

Invert: 6.40 ft
 Manning's N: 0.0000

Geometry: Irregular

Link Count: 1 Cross Section: LOCAL_20FT_FULL Cross Section: LOCAL_20FT_FULL
Flow Direction: Both
Damping: 0.0000 ft
Length: 322.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: RSR0790WB

Upstream

Downstream

Scenario: Existing Invert: 11.00 ft Invert: 6.00 ft
From Node: NSR0790 Manning's N: 0.0000 Manning's N: 0.0000
To Node: NSR0730 Geometry: Irregular Geometry: Irregular
Link Count: 1 Cross Section: LOCAL_20FT_FULL Cross Section: LOCAL_20FT_FULL
Flow Direction: Both
Damping: 0.0000 ft
Length: 630.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Pipe Link: RSR0809.1

Upstream

Downstream

Scenario: Existing Invert: 7.46 ft Invert: 2.35 ft
From Node: NSR0809 Manning's N: 0.0130 Manning's N: 0.0130
To Node: NSR0790 Geometry: Horizontal Ellipse Geometry: Horizontal Ellipse
Link Count: 1 Max Depth: 3.58 ft Max Depth: 3.58 ft
Flow Direction: Both
Damping: 0.0000 ft
Length: 600.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Bottom Clip		
Default:	0.00 ft	Default: 0.00 ft
Op Table:		Op Table:
Ref Node:		Ref Node:
Manning's N:	0.0000	Manning's N: 0.0000

Top Clip		
Default:	0.00 ft	Default: 0.00 ft
Op Table:		Op Table:
Ref Node:		Ref Node:
Manning's N:	0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR0810B	Upstream	Downstream
Scenario: Existing	Invert: 8.70 ft	Invert: 8.65 ft
From Node: NSR0810	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0809	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 20.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR0810OW	Upstream	Downstream
Scenario: Existing	Invert: 13.00 ft	Invert: 9.40 ft
From Node: NSR0810	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0790	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 647.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR0830B	Upstream	Downstream
Scenario: Existing	Invert: 9.41 ft	Invert: 8.05 ft
From Node: NSR0830	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0810	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	610.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RSR0830OWA

Upstream

Downstream

Scenario:	Existing	Invert:	15.10 ft	Invert:	13.70 ft
From Node:	NSR0830	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR0450	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	LOCAL_20FT_HALF	Cross Section:	LOCAL_20FT_HALF
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	408.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: RSR0830OV/B

Upstream

Downstream

Scenario:	Existing	Invert:	14.80 ft	Invert:	14.20 ft
From Node:	NSR0830	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR0470	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	LOCAL_20FT_HALF	Cross Section:	LOCAL_20FT_HALF
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	650.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: RSR083OW		Upstream	Downstream
Scenario:	Existing	Invert: 14.70 ft	Invert: 13.00 ft
From Node:	NSR0830	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0810	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	636.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RSR0840		Upstream	Downstream
Scenario:	Existing	Invert: 11.86 ft	Invert: 10.69 ft
From Node:	NSR0840	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NSR0850	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	584.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR0840OW		Upstream	Downstream
Scenario:	Existing	Invert: 15.80 ft	Invert: 15.20 ft
From Node:	NSR0840	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0850	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	384.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Channel Link: RSR0840OWA		
	Upstream	Downstream
Scenario: Existing	Invert: 16.10 ft	Invert: 14.60 ft
From Node: NSR0840	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0830	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 332.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR0850B		
	Upstream	Downstream
Scenario: Existing	Invert: 10.69 ft	Invert: 9.41 ft
From Node: NSR0850	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0830	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 640.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR0850OW		
	Upstream	Downstream
Scenario: Existing	Invert: 15.20 ft	Invert: 14.30 ft

From Node:	NSR0850	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR0830	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	LOCAL_20FT_FULL	Cross Section:	LOCAL_20FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	643.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link:	RSR0860	Upstream	Downstream		
Scenario:	Existing	Invert:	13.84 ft	Invert:	12.29 ft
From Node:	NSR0860	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	NBW2380	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	280.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link:	RSR0860OW	Upstream	Downstream		
Scenario:	Existing	Invert:	16.30 ft	Invert:	15.30 ft
From Node:	NSR0860	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW2380	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	LOCAL_20FT_FULL	Cross Section:	LOCAL_20FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	160.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Channel Link: RSR0860OWA		
	Upstream	Downstream
Scenario: Existing	Invert: 16.40 ft	Invert: 15.20 ft
From Node: NSR0860	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0850	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 272.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR0869		
	Upstream	Downstream
Scenario: Existing	Invert: 11.39 ft	Invert: 10.69 ft
From Node: NSR0869	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0850	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 425.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR0870B.1		
	Upstream	Downstream
Scenario: Existing	Invert: 11.74 ft	Invert: 11.50 ft
From Node: NSR0870	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0869	Geometry: Rectangular	Geometry: Rectangular

Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Max Width:	3.50 ft	Max Width:	3.50 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	186.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RSR0870OW		Upstream	Downstream
Scenario:	Existing	Invert:	15.90 ft
From Node:	NSR0870	Manning's N:	0.0000
To Node:	NSR0850	Geometry:	Irregular
Link Count:	1	Cross Section:	LOCAL_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	500.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: RSR0870OWA		Upstream	Downstream
Scenario:	Existing	Invert:	16.40 ft
From Node:	NSR0870	Manning's N:	0.0000
To Node:	NSR0840	Geometry:	Irregular
Link Count:	1	Cross Section:	HENDERSON_HALF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	333.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Pipe Link: RSR0880	Upstream	Downstream
Scenario: Existing	Invert: 11.97 ft	Invert: 11.74 ft
From Node: NSR0880	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0870	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 115.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR0880OW	Upstream	Downstream
Scenario: Existing	Invert: 15.40 ft	Invert: 15.20 ft
From Node: NSR0880	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0870	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: HENDERSON_HALF	Cross Section: HENDERSON_HALF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 120.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RSR0881OW	Upstream	Downstream
Scenario: Existing	Invert: 17.50 ft	Invert: 17.00 ft
From Node: NSR0881	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW2410	Geometry: Irregular	Geometry: Irregular

Link Count: 1 Cross Section: LOCAL_30FT_FULL Cross Section: LOCAL_30FT_FULL
Flow Direction: Both
Damping: 0.0000 ft
Length: 616.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: RSR0881OWB

Upstream

Downstream

Scenario: Existing Invert: 17.00 ft Invert: 15.70 ft
From Node: NSR0881 Manning's N: 0.0000 Manning's N: 0.0000
To Node: NSR0880 Geometry: Irregular Geometry: Irregular
Link Count: 1 Cross Section: HENDERSON_HALF Cross Section: HENDERSON_HALF
Flow Direction: Both
Damping: 0.0000 ft
Length: 828.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: RSR0881OWC

Upstream

Downstream

Scenario: Existing Invert: 17.00 ft Invert: 15.90 ft
From Node: NSR0881 Manning's N: 0.0000 Manning's N: 0.0000
To Node: NBW2380 Geometry: Irregular Geometry: Irregular
Link Count: 1 Cross Section: CURB_25FT_FULL Cross Section: CURB_25FT_FULL
Flow Direction: Both
Damping: 0.0000 ft
Length: 1217.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Pipe Link: RSR0890	Upstream	Downstream
Scenario: Existing	Invert: -1.33 ft	Invert: -2.40 ft
From Node: NSR0890	Manning's N: 0.0200	Manning's N: 0.0200
To Node: NSR0250	Geometry: Rectangular	Geometry: Rectangular
Link Count: 2	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 30.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR0890OW	Upstream	Downstream
Scenario: Existing	Invert: 2.79 ft	Invert: 2.78 ft
From Node: NSR0890	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0250	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR0890OW	Cross Section: RSR0890OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR0910	Upstream	Downstream
Scenario: Existing	Invert: -1.27 ft	Invert: -2.40 ft
From Node: NSR0910	Manning's N: 0.0160	Manning's N: 0.0160
To Node: NSR0890	Geometry: Rectangular	Geometry: Rectangular

Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Max Width:	6.00 ft	Max Width:	6.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	500.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RSR0910A

		Upstream	Downstream		
Scenario:	Existing	Invert:	-1.27 ft	Invert:	-2.40 ft
From Node:	NSR0910	Manning's N:	0.0160	Manning's N:	0.0160
To Node:	NSR0890	Geometry: Rectangular	Geometry: Rectangular		
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Max Width:	6.00 ft	Max Width:	6.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	500.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RSR0910OW

		Upstream	Downstream		
Scenario:	Existing	Invert:	4.57 ft	Invert:	4.56 ft
From Node:	NSR0910	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR0230	Geometry: Irregular	Geometry: Irregular		
Link Count:	1	Cross Section:	RSR0910OW	Cross Section:	RSR0910OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RSR0930	Upstream	Downstream
Scenario: Existing	Invert: 1.02 ft	Invert: 0.92 ft
From Node: NSR0930	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSR0910	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 45.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR0950	Upstream	Downstream
Scenario: Existing	Invert: -0.55 ft	Invert: -1.27 ft
From Node: NSR0950	Manning's N: 0.0160	Manning's N: 0.0160
To Node: NSR0910	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 700.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR0950A		Upstream	Downstream
Scenario:	Existing	Invert: -0.55 ft	Invert: -1.27 ft
From Node:	NSR0950	Manning's N: 0.0160	Manning's N: 0.0160
To Node:	NSR0910	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping:	0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	700.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.00	Op Table:	Op Table:
Exit Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip	
Energy Switch:	Energy	Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR0950AOW		Upstream	Downstream
Scenario:	Existing	Invert: 5.21 ft	Invert: 5.20 ft
From Node:	NSR0950	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0930	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RSR0950AOW	Cross Section: RSR0950AOW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: RSR0950OW		Upstream	Downstream
Scenario:	Existing	Invert: 5.16 ft	Invert: 5.15 ft
From Node:	NSR0950	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0990	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RSR0950OW	Cross Section: RSR0950OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		

Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RSR0970

Scenario: Existing
 From Node: NSR0970
 To Node: NSR0950
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000
 Length: 500.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 0.46 ft
 Manning's N: 0.0160
 Geometry: Rectangular
 Max Depth: 3.50 ft
 Max Width: 6.00 ft
 Fillet: 0.00 ft

Downstream

Invert: -0.55 ft
 Manning's N: 0.0160
 Geometry: Rectangular
 Max Depth: 3.50 ft
 Max Width: 6.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: RSR0970A

Scenario: Existing
 From Node: NSR0970
 To Node: NSR0950
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000
 Length: 500.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 0.46 ft
 Manning's N: 0.0160
 Geometry: Rectangular
 Max Depth: 3.50 ft
 Max Width: 6.00 ft
 Fillet: 0.00 ft

Downstream

Invert: -0.55 ft
 Manning's N: 0.0160
 Geometry: Rectangular
 Max Depth: 3.50 ft
 Max Width: 6.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: RSR0990		Upstream	Downstream
Scenario:	Existing	Invert: 0.58 ft	Invert: 0.46 ft
From Node:	NSR0990	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	NSR0970	Geometry: Rectangular	Geometry: Rectangular
Link Count:	2	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping:	0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	30.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.50	Op Table:	Op Table:
Exit Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip	
Energy Switch:	Energy	Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RSR1010OW			
Scenario:	Existing	Bottom Clip	
From Node:	NSR1010	Default:	0.00 ft
To Node:	NSR0990	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.50 ft	Discharge Coefficients	
Control Elevation:	5.50 ft	Weir Default:	2.400
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	50.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Channel Link: RSR1030		Upstream	Downstream
Scenario:	Existing	Invert: 4.26 ft	Invert: 0.58 ft
From Node:	NSR1030	Manning's N: 0.0350	Manning's N: 0.0350
To Node:	NSR0990	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 10.00 ft	Max Depth: 10.00 ft
Flow Direction:	Both	Extrapolation: Normal	Extrapolation: Normal
Damping:	0.0000	Bottom Width: 4.00 ft	Bottom Width: 4.00 ft
Length:	616.00 ft	Left Slope: 0.520 (h:v)	Left Slope: 0.520 (h:v)
Contraction Coef:	0.00	Right Slope: 0.570 (h:v)	Right Slope: 0.570 (h:v)
Expansion Coef:	0.00	Bottom Clip	

Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: RSR1050OW

Scenario:	Existing	Bottom Clip	
From Node:	NSR1050	Default:	0.00 ft
To Node:	NSR1030	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	6.20 ft	Discharge Coefficients	
Control Elevation:	6.20 ft	Weir Default:	2.400
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	50.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: RSR1070

	Upstream	Downstream	
Scenario:	Existing		
	Invert:	4.76 ft	
From Node:	NSR1070	Invert:	
	Manning's N:	0.0130	
To Node:	NSR1030	Manning's N:	
	Geometry:	Rectangular	
Link Count:	1	Geometry:	
	Max Depth:	3.00 ft	
Flow Direction:	Both	Max Depth:	
	Max Width:	5.00 ft	
Damping:	0.0000 ft	Max Width:	
	Fillet:	0.00 ft	
Length:	70.00 ft	Fillet:	
FHWA Code:	0	Bottom Clip	
Entr Loss Coef:	0.50	Default:	0.00 ft
Exit Loss Coef:	0.50	Op Table:	
Bend Loss Coef:	0.00	Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000
Energy Switch:	Energy	Manning's N:	
		0.0000	
	Top Clip		
	Default:	0.00 ft	
	Op Table:		
	Ref Node:		
	Manning's N:	0.0000	
		0.0000	
	Default:	0.00 ft	
	Op Table:		
	Ref Node:		
	Manning's N:	0.0000	
		0.0000	

Comment:

Channel Link: RSR1070OWA		Upstream	Downstream
Scenario:	Existing	Invert: 9.60 ft	Invert: 6.50 ft
From Node:	NSR1070	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0950	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	660.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Weir Link: RSR1070OWB		Bottom Clip
Scenario:	Existing	Default: 0.00 ft
From Node:	NSR1070	Op Table:
To Node:	NSR1010	Ref Node:
Link Count:	1	
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	9.10 ft	
Control Elevation:	9.10 ft	Discharge Coefficients
Max Depth:	9999.00 ft	Weir Default: 2.600
Max Width:	35.00 ft	Weir Table:
Fillet:	0.00 ft	Orifice Default: 0.600
		Orifice Table:

Comment:

Weir Link: RSR1070OWC		Bottom Clip
Scenario:	Existing	Default: 0.00 ft
From Node:	NSR1070	Op Table:
To Node:	NSR1050	Ref Node:
Link Count:	1	
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	9.40 ft	
Control Elevation:	9.40 ft	Discharge Coefficients
Max Depth:	9999.00 ft	Weir Default: 2.600
		Weir Table:

Max Width: 176.00 ft
Fillet: 0.00 ft

Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: RSR1090

Scenario: Existing
From Node: NSR1090
To Node: NSR1070
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 205.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 5.71 ft
Manning's N: 0.0130
Geometry: Rectangular
Max Depth: 3.00 ft
Max Width: 5.00 ft
Fillet: 0.00 ft

Downstream

Invert: 4.76 ft
Manning's N: 0.0130
Geometry: Rectangular
Max Depth: 3.00 ft
Max Width: 5.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Weir Link: RSR1090OW

Scenario: Existing
From Node: NSR1090
To Node: NSR1070
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 11.20 ft
Control Elevation: 11.20 ft
Max Depth: 9999.00 ft
Max Width: 100.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR1110OW

Scenario: Existing

Bottom Clip

From Node: NSR1110
To Node: NSR1090
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 11.50 ft
Control Elevation: 11.50 ft
Max Depth: 9999.00 ft
Max Width: 50.00 ft
Fillet: 0.00 ft

Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR1130OW

Scenario: Existing
From Node: NSR1130
To Node: NSR1090
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 10.48 ft
Control Elevation: 10.48 ft
Max Depth: 9999.00 ft
Max Width: 10.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR1130OWA

Scenario: Existing
From Node: NSR1130
To Node: NSR1070
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 11.20 ft
Control Elevation: 11.20 ft
Max Depth: 9999.00 ft
Max Width: 150.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR1150

Scenario:	Existing	Bottom Clip
From Node:	NSR1150	Default: 0.00 ft
To Node:	NSR1170	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	10.63 ft	Discharge Coefficients
Control Elevation:	10.63 ft	Weir Default: 3.200
Max Depth:	9999.00 ft	Weir Table:
Max Width:	10.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Channel Link: RSR1150OW

	Upstream	Downstream
Scenario:	Existing	Invert: 11.31 ft
From Node:	NSR1150	Manning's N: 0.0000
To Node:	NSR1130	Manning's N: 0.0000
Link Count:	1	Geometry: Irregular
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Cross Section: RSR1150OW
Length:	33.00 ft	Cross Section: RSR1150OW
Contraction Coef:	0.00	
Expansion Coef:	0.00	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	

Comment:

Pipe Link: RSR1170

	Upstream	Downstream
Scenario:	Existing	Invert: 8.13 ft
From Node:	NSR1170	Invert: 7.63 ft
To Node:	NSR1090	Manning's N: 0.0120
Link Count:	1	Manning's N: 0.0120
Flow Direction:	Both	Geometry: Circular
Damping:	0.0000 ft	Geometry: Circular
		Max Depth: 1.00 ft
		Max Depth: 1.00 ft
		Bottom Clip
	Default: 0.00 ft	Default: 0.00 ft

Length:	30.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: RSR1190		Upstream	Downstream
Scenario:	Existing	Invert: 8.80 ft	Invert: 5.87 ft
From Node:	NSR1190	Manning's N: 0.0350	Manning's N: 0.0350
To Node:	NSR1090	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 10.00 ft	Max Depth: 10.00 ft
Flow Direction:	Both	Extrapolation: Normal	Extrapolation: Normal
Damping:	0.0000 ft	Bottom Width: 4.00 ft	Bottom Width: 4.00 ft
Length:	436.00 ft	Left Slope: 0.540 (h:v)	Left Slope: 0.540 (h:v)
Contraction Coef:	0.00	Right Slope: 0.550 (h:v)	Right Slope: 0.550 (h:v)
Expansion Coef:	0.00	Bottom Clip	
Entr Loss Coef:	0.00	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:	
Bend Loss Coef:	0.00	Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip	
		Default:	0.00 ft
		Op Table:	
		Ref Node:	
		Manning's N:	0.0000
Comment:			

Pipe Link: RSR1210		Upstream	Downstream
Scenario:	Existing	Invert: 8.68 ft	Invert: 8.58 ft
From Node:	NSR1210	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NSR1190	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	30.00 ft	Op Table:	
FHWA Code:	0	Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Weir Link: RSR1210OW

Scenario: Existing
 From Node: NSR1210
 To Node: NSR1190
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 12.30 ft
 Control Elevation: 12.30 ft
 Max Depth: 833.25 ft
 Max Width: 45.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.400
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Channel Link: RSR1230

Upstream

Downstream

Scenario: Existing
 From Node: NSR1230
 To Node: NSR1190
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 660.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 9.10 ft
 Manning's N: 0.0350

Invert: 8.80 ft
 Manning's N: 0.0350

Geometry: Trapezoidal

Geometry: Trapezoidal

Max Depth: 10.00 ft
 Extrapolation: Normal
 Bottom Width: 4.00 ft
 Left Slope: 0.520 (h:v)
 Right Slope: 0.570 (h:v)

Max Depth: 10.00 ft
 Extrapolation: Normal
 Bottom Width: 4.00 ft
 Left Slope: 0.520 (h:v)
 Right Slope: 0.570 (h:v)

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: RSR1270

Upstream

Downstream

Scenario: Existing

Invert: 9.65 ft

Invert: 9.10 ft

From Node:	NSR1270	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR1230	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RSR1270	Cross Section:	RSR1270
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	467.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Weir Link: RSR1290OW

Scenario:	Existing	Bottom Clip	
From Node:	NSR1290	Default:	0.00 ft
To Node:	NSR1270	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	13.00 ft	Discharge Coefficients	
Control Elevation:	13.00 ft	Weir Default:	2.400
Max Depth:	833.25 ft	Weir Table:	
Max Width:	50.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Weir Link: RSR1310OW

Scenario:	Existing	Bottom Clip	
From Node:	NSR1310	Default:	0.00 ft
To Node:	NSR1270	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	13.00 ft	Discharge Coefficients	
Control Elevation:	13.00 ft	Weir Default:	2.600
Max Depth:	833.25 ft	Weir Table:	
Max Width:	50.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: RSR1330	Upstream	Downstream
Scenario: Existing	Invert: 10.06 ft	Invert: 9.98 ft
From Node: NSR1330	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSR1270	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Max Width: 5.50 ft	Max Width: 5.50 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 55.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.50	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR1350	Upstream	Downstream
Scenario: Existing	Invert: 11.33 ft	Invert: 11.23 ft
From Node: NSR1350	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSR1330	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 38.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RSR1350OW	Bottom Clip
Scenario: Existing	Default: 0.00 ft
From Node: NSR1350	Op Table:
To Node: NSR1330	

Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 14.60 ft
Control Elevation: 14.60 ft
Max Depth: 833.25 ft
Max Width: 50.00 ft
Fillet: 0.00 ft

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Channel Link: RSR1370

Upstream

Downstream

Scenario: Existing
From Node: NSR1370
To Node: NSR1330
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 640.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 10.11 ft

Invert: 9.98 ft

Manning's N: 0.0000

Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: RSR1370

Cross Section: RSR1370

Comment:

Weir Link: RSR1390OW

Scenario: Existing
From Node: NSR1390
To Node: NSR1370
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 14.50 ft
Control Elevation: 14.50 ft
Max Depth: 833.25 ft
Max Width: 50.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: RSR1410		Upstream	Downstream
Scenario:	Existing	Invert: 12.13 ft	Invert: 11.23 ft
From Node:	NSR1410	Manning's N: 0.0140	Manning's N: 0.0140
To Node:	NSR1370	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	303.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RSR1410OW		Upstream	Downstream
Scenario:	Existing	Invert: 11.87 ft	Invert: 11.86 ft
From Node:	NSR1410	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR1370	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RSR1410OW	Cross Section: RSR1410OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RSR1430		Upstream	Downstream
Scenario:	Existing	Invert: 12.49 ft	Invert: 11.23 ft
From Node:	NSR1430	Manning's N: 0.0140	Manning's N: 0.0140
To Node:	NSR1410	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	619.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR1430OW	Upstream	Downstream
Scenario: Existing	Invert: 14.88 ft	Invert: 14.87 ft
From Node: NSR1450	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR1430	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR1430OW	Cross Section: RSR1430OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR1450	Upstream	Downstream
Scenario: Existing	Invert: 13.63 ft	Invert: 12.49 ft
From Node: NSR1450	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSR1430	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 380.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR1450OW	Upstream	Downstream
Scenario: Existing	Invert: 14.82 ft	Invert: 14.81 ft

From Node:	NSR1450	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR1590	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RSR1450OW	Cross Section:	RSR1450OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RSR1460		Upstream	Downstream
Scenario:	Existing	Invert: 8.97 ft	Invert: 8.84 ft
From Node:	NBW1460	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NBW1430	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping:	0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	442.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.50	Op Table:	Op Table:
Exit Loss Coef:	0.50	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip	
Energy Switch:	Energy	Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: RSR1470		Upstream	Downstream
Scenario:	Existing	Invert: 13.16 ft	Invert: 12.40 ft
From Node:	NSR1470	Manning's N: 0.0140	Manning's N: 0.0140
To Node:	NSR1430	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	350.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RSR1470OW	Upstream	Downstream
Scenario: Existing	Invert: 15.13 ft	Invert: 15.12 ft
From Node: NSR1470	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR1430	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR1470OW	Cross Section: RSR1470OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR1490	Upstream	Downstream
Scenario: Existing	Invert: 13.15 ft	Invert: 12.97 ft
From Node: NSR1490	Manning's N: 0.0140	Manning's N: 0.0140
To Node: NSR1470	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 300.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR1490OW	Upstream	Downstream
Scenario: Existing	Invert: 15.64 ft	Invert: 15.63 ft

From Node:	NSR1490	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR1470	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RSR1490OW	Cross Section:	RSR1490OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RSR1510		Upstream	Downstream
Scenario:	Existing	Invert: 10.95 ft	Invert: 10.43 ft
From Node:	NSR1510	Manning's N: 0.0140	Manning's N: 0.0140
To Node:	NSR1490	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	258.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RSR1510OW		Upstream	Downstream
Scenario:	Existing	Invert: 14.95 ft	Invert: 14.94 ft
From Node:	NSR1510	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR1490	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RSR1510OW	Cross Section: RSR1510OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Channel Link: RSR1530OW	Upstream	Downstream
Scenario: Existing	Invert: 12.58 ft	Invert: 12.57 ft
From Node: NSR1530	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR1370	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR1530OW	Cross Section: RSR1530OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RSR1550	Upstream	Downstream
Scenario: Existing	Invert: 10.81 ft	Invert: 10.11 ft
From Node: NSR1550	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR1370	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR1550	Cross Section: RSR1550
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 694.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RSR1570OW	Upstream	Downstream
Scenario: Existing	Invert: 12.84 ft	Invert: 12.83 ft
From Node: NSR1570	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR1550	Geometry: Irregular	Geometry: Irregular

Link Count:	1	Cross Section:	RSR1570OW	Cross Section:	RSR1570OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: RSR1590OW		Upstream	Downstream
Scenario:	Existing	Invert: 12.38 ft	Invert: 12.37 ft
From Node:	NSR1590	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR1550	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RSR1590OW	Cross Section: RSR1590OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RSR1610		Upstream	Downstream
Scenario:	Existing	Invert: 12.18 ft	Invert: 10.63 ft
From Node:	NSR1610	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NSR1550	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	30.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR1610OW

	Upstream	Downstream
Scenario: Existing	Invert: 11.76 ft	Invert: 11.75 ft
From Node: NSR1610	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR1630	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR1610OW	Cross Section: RSR1610OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RSR1630

	Upstream	Downstream
Scenario: Existing	Invert: 11.43 ft	Invert: 10.81 ft
From Node: NSR1630	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR1550	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR1630	Cross Section: RSR1630
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 606.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Weir Link: RSR1650OW

Scenario: Existing	Bottom Clip
From Node: NSR1650	Default: 0.00 ft
To Node: NSR1630	Op Table:
Link Count: 1	Ref Node:
Flow Direction: Both	Top Clip

Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 17.00 ft
 Control Elevation: 17.00 ft
 Max Depth: 9999.00 ft
 Max Width: 50.00 ft
 Fillet: 0.00 ft

Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.400
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RSR1670

Scenario: Existing
 From Node: NSR1670
 To Node: NSR1630
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 30.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.20
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 13.13 ft
 Manning's N: 0.0150
 Geometry: Rectangular
 Max Depth: 1.41 ft
 Max Width: 1.83 ft
 Fillet: 0.00 ft

Downstream

Invert: 12.63 ft
 Manning's N: 0.0150
 Geometry: Rectangular
 Max Depth: 1.41 ft
 Max Width: 1.83 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: RSR1690

Scenario: Existing
 From Node: NSR1690
 To Node: NSR1630
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 100.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 11.63 ft
 Manning's N: 0.0230
 Geometry: Rectangular
 Max Depth: 3.00 ft
 Max Width: 6.00 ft
 Fillet: 0.00 ft

Downstream

Invert: 11.51 ft
 Manning's N: 0.0230
 Geometry: Rectangular
 Max Depth: 3.00 ft
 Max Width: 6.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:

Default: 0.00 ft
 Op Table:

	Ref Node: Manning's N: 0.0000	Ref Node: Manning's N: 0.0000
Comment:		

Pipe Link: RSR1710	Upstream	Downstream
Scenario: Existing	Invert: 12.78 ft	Invert: 12.28 ft
From Node: NSR1710	Manning's N: 0.0240	Manning's N: 0.0240
To Node: NSR1690	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 30.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RSR1710OW	Upstream	Downstream
Scenario: Existing	Invert: 16.05 ft	Invert: 16.04 ft
From Node: NSR1710	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR1690	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR1710OW	Cross Section: RSR1710OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Channel Link: RSR1730	Upstream	Downstream
Scenario: Existing	Invert: 11.58 ft	Invert: 10.82 ft
From Node: NSR1730	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR1690	Geometry: Irregular	Geometry: Irregular

Link Count: 1 Cross Section: RSR1730 Cross Section: RSR1730
Flow Direction: Both
Damping: 0.0000 ft
Length: 600.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: RSR1730OW

	Upstream	Downstream
Scenario:	Existing	Invert: 16.43 ft
From Node:	NSR1730	Manning's N: 0.0000
To Node:	NSR1950	Manning's N: 0.0000
Link Count:	1	Geometry: Irregular
Flow Direction:	Both	Cross Section: RSR1730OW
Damping:	0.0000 ft	Cross Section: RSR1730OW
Length:	33.00 ft	
Contraction Coef:	0.00	
Expansion Coef:	0.00	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	

Comment:

Weir Link: RSR1750OW

	Bottom Clip
Scenario:	Existing
From Node:	NSR1750
To Node:	NSR1730
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	16.60 ft
Control Elevation:	16.60 ft
Max Depth:	833.25 ft
Max Width:	50.00 ft
Fillet:	0.00 ft

	Top Clip
Default:	0.00 ft
Op Table:	
Ref Node:	

	Discharge Coefficients
Weir Default:	2.400
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: RSR1770		Upstream	Downstream
Scenario:	Existing	Invert: 11.63 ft	Invert: 11.36 ft
From Node:	NSR1770	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NSR1730	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	346.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RSR1770OW		Upstream	Downstream
Scenario:	Existing	Invert: 16.35 ft	Invert: 16.34 ft
From Node:	NSR1790	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR1770	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RSR1770OW	Cross Section: RSR1770OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RSR1790		Upstream	Downstream
Scenario:	Existing	Invert: 11.82 ft	Invert: 11.63 ft
From Node:	NSR1790	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NSR1770	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	341.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RSR1810	Upstream	Downstream
Scenario: Existing	Invert: 12.02 ft	Invert: 11.82 ft
From Node: NSR1810	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSR1790	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 325.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR1810OW	Upstream	Downstream
Scenario: Existing	Invert: 16.76 ft	Invert: 16.75 ft
From Node: NSR1830	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR1810	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR1810OW	Cross Section: RSR1810OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR1830	Upstream	Downstream
Scenario: Existing	Invert: 12.22 ft	Invert: 12.02 ft

From Node:	NSR1830	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NSR1810	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	326.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link:	Upstream	Downstream
Scenario:	Existing	Invert: 17.11 ft
From Node:	NSR1830	Manning's N: 0.0000
To Node:	NSR1670	Geometry: Irregular
Link Count:	1	Cross Section: RSR1830AOW
Flow Direction:	Both	Cross Section: RSR1830AOW
Damping:	0.0000 ft	
Length:	33.00 ft	
Contraction Coef:	0.00	
Expansion Coef:	0.00	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	

Comment:

Channel Link:	Upstream	Downstream
Scenario:	Existing	Invert: 16.72 ft
From Node:	NSR1830	Manning's N: 0.0000
To Node:	NSR1790	Geometry: Irregular
Link Count:	1	Cross Section: RSR1830OW
Flow Direction:	Both	Cross Section: RSR1830OW
Damping:	0.0000 ft	
Length:	33.00 ft	
Contraction Coef:	0.00	
Expansion Coef:	0.00	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Pipe Link: RSR1850	Upstream	Downstream
Scenario: Existing	Invert: 12.42 ft	Invert: 12.22 ft
From Node: NSR1850	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSR1830	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 331.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR1850OW	Upstream	Downstream
Scenario: Existing	Invert: 16.60 ft	Invert: 16.20 ft
From Node: NSR1870	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR1850	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: DALE_MABRY_FUL	Cross Section: DALE_MABRY_FUL
Flow Direction: Both	L	L
Damping: 0.0000 ft		
Length: 334.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR1870	Upstream	Downstream
Scenario: Existing	Invert: 12.62 ft	Invert: 12.42 ft
From Node: NSR1870	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR1850	Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	331.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: RSR1870OW	Upstream	Downstream
Scenario: Existing	Invert: 16.70 ft	Invert: 16.10 ft
From Node: NSR1870	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR1910	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: DALE_MABRY_FUL	Cross Section: DALE_MABRY_FUL
Flow Direction: Both	L	L
Damping: 0.0000		
Length: 203.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Pipe Link: RSR1890	Upstream	Downstream
Scenario: Existing	Invert: 12.79 ft	Invert: 12.62 ft
From Node: NSR1890	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR1870	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 286.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR1910	Upstream	Downstream
Scenario: Existing	Invert: 12.97 ft	Invert: 12.79 ft
From Node: NSR1910	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR1890	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 176.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR1910B	Upstream	Downstream
Scenario: Existing	Invert: 6.70 ft	Invert: 6.50 ft
From Node: NSR1910	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW2690	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 730.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.50	Op Table:	Op Table:
Exit Loss Coef: 0.50	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR1910OW	Upstream	Downstream
Scenario: Existing	Invert: 16.70 ft	Invert: 16.50 ft
From Node: NSR1910	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW2690	Geometry: Irregular	Geometry: Irregular

Link Count:	1	Cross Section:	DALE_MABRY_FUL	Cross Section:	DALE_MABRY_FUL
Flow Direction:	Both		L		L
Damping:	0.0000 ft				
Length:	275.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: RSR1910OWA	Upstream	Downstream
Scenario: Existing	Invert: 17.50 ft	Invert: 16.30 ft
From Node: NSR1910	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR3020	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL

Flow Direction: Both
Damping: 0.0000 ft
Length: 311.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Pipe Link: RSR1930	Upstream	Downstream
Scenario: Existing	Invert: 10.87 ft	Invert: 11.13 ft
From Node: NSR1930	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSR1730	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Max Width: 4.00 ft	Max Width: 4.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft

Length: 71.00 ft
FHWA Code: 0
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Top Clip
Default: 0.00 ft
Op Table:

Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Comment:	

Channel Link: RSR1930OW	Upstream	Downstream
Scenario: Existing	Invert: 16.55 ft	Invert: 16.54 ft
From Node: NSR1930	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR1730	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR1930OW	Cross Section: RSR1930OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Pipe Link: RSR1950	Upstream	Downstream
Scenario: Existing	Invert: 11.11 ft	Invert: 10.93 ft
From Node: NSR1950	Manning's N: 0.0180	Manning's N: 0.0180
To Node: NSR1930	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 117.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RSR1970	Upstream	Downstream
Scenario: Existing	Invert: 11.21 ft	Invert: 11.11 ft
From Node: NSR1970	Manning's N: 0.0210	Manning's N: 0.0210
To Node: NSR1950	Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	67.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RSR1970OW	Upstream	Downstream
Scenario: Existing	Invert: 16.65 ft	Invert: 16.64 ft
From Node: NSR1970	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBB0310	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR1970OW	Cross Section: RSR1970OW

Flow Direction:	Both
Damping:	0.0000 ft
Length:	33.00 ft
Contraction Coef:	0.00
Expansion Coef:	0.00
Entr Loss Coef:	0.00
Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Comment:

Pipe Link: RSR1990	Upstream	Downstream
Scenario: Existing	Invert: 11.71 ft	Invert: 11.49 ft
From Node: NSR1990	Manning's N: 0.0170	Manning's N: 0.0170
To Node: NSR2010	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	178.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RSR1990A	Upstream	Downstream
Scenario: Existing	Invert: 11.49 ft	Invert: 11.21 ft
From Node: NSR1990	Manning's N: 0.0160	Manning's N: 0.0160
To Node: NSR1970	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 235.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR2030	Upstream	Downstream
Scenario: Existing	Invert: 11.98 ft	Invert: 11.80 ft
From Node: NSR2030	Manning's N: 0.0160	Manning's N: 0.0160
To Node: NSR2050	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 184.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR2030A	Upstream	Downstream
Scenario: Existing	Invert: 11.80 ft	Invert: 11.71 ft
From Node: NSR2030	Manning's N: 0.0200	Manning's N: 0.0200
To Node: NSR2010	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	69.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RSR2050OW	Upstream	Downstream
Scenario: Existing	Invert: 16.39 ft	Invert: 16.38 ft
From Node: NSR2050	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBB0370	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR2050OW	Cross Section: RSR2050OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR2070	Upstream	Downstream
Scenario: Existing	Invert: 12.22 ft	Invert: 11.98 ft
From Node: NSR2070	Manning's N: 0.0150	Manning's N: 0.0150
To Node: NSR2050	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 231.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR2090		Upstream	Downstream
Scenario:	Existing	Invert: 12.86 ft	Invert: 12.72 ft
From Node:	NSR2090	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	NSR2070	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	60.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: RSR2110		Upstream	Downstream
Scenario:	Existing	Invert: 13.05 ft	Invert: 12.86 ft
From Node:	NSR2110	Manning's N: 0.0160	Manning's N: 0.0160
To Node:	NSR2090	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	178.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RSR2110OW		Upstream	Downstream
Scenario:	Existing	Invert: 16.16 ft	Invert: 16.15 ft
From Node:	NSR2110	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBB0370	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RSR2110OW	Cross Section: RSR2110OW
Flow Direction:	Both		
Damping:	0.0000		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RSR2130	Upstream	Downstream
Scenario: Existing	Invert: 13.30 ft	Invert: 13.05 ft
From Node: NSR2130	Manning's N: 0.0150	Manning's N: 0.0150
To Node: NSR2110	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 247.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR2150	Upstream	Downstream
Scenario: Existing	Invert: 11.46 ft	Invert: 11.03 ft
From Node: NSR2150	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSR1930	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 3.16 ft	Max Depth: 3.16 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 442.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR2150OW	Upstream	Downstream
Scenario: Existing	Invert: 16.86 ft	Invert: 16.85 ft

From Node:	NSR2150	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR2210	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RSR2150OW	Cross Section:	RSR2150OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RSR2170		Upstream	Downstream
Scenario:	Existing	Invert: 11.98 ft	Invert: 11.46 ft
From Node:	NSR2170	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NSR2150	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 3.16 ft	Max Depth: 3.16 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	494.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: RSR2190		Upstream	Downstream
Scenario:	Existing	Invert: 12.17 ft	Invert: 11.98 ft
From Node:	NSR2190	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NSR2170	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 3.16 ft	Max Depth: 3.16 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	178.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: RSR2210

Upstream

Downstream

Scenario: Existing
 From Node: NSR2210
 To Node: NSR2190
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 12.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 12.23 ft
 Manning's N: 0.0120

Invert: 12.21 ft
 Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 2.50 ft

Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: RSR2210OW

Upstream

Downstream

Scenario: Existing
 From Node: NSR2210
 To Node: NSR2250
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 16.39 ft
 Manning's N: 0.0000

Invert: 16.38 ft
 Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: RSR2210OW

Cross Section: RSR2210OW

Comment:

Pipe Link: RSR2230

Upstream

Downstream

Scenario: Existing
 From Node: NSR2230
 To Node: NSR2190

Invert: 12.21 ft
 Manning's N: 0.0120

Invert: 12.17 ft
 Manning's N: 0.0120

Geometry: Horizontal Ellipse

Geometry: Horizontal Ellipse

Link Count:	1	Max Depth:	2.42 ft	Max Depth:	2.42 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	42.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link:	RSR2250	Upstream		Downstream	
Scenario:	Existing	Invert:	12.31 ft	Invert:	12.21 ft
From Node:	NSR2250	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NSR2230	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	2.42 ft	Max Depth:	2.42 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	85.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link:	RSR2270	Upstream		Downstream	
Scenario:	Existing	Invert:	12.64 ft	Invert:	12.31 ft
From Node:	NSR2270	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NSR2250	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	2.42 ft	Max Depth:	2.42 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	105.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RSR2270OW		
	Upstream	Downstream
Scenario:	Existing	Invert: 16.02 ft
From Node:	NSR2270	Invert: 16.01 ft
To Node:	NSR2250	Manning's N: 0.0000
Link Count:	1	Manning's N: 0.0000
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Geometry: Irregular
Length:	33.00 ft	Cross Section: RSR2270OW
Contraction Coef:	0.00	Cross Section: RSR2270OW
Expansion Coef:	0.00	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	

Comment:

Pipe Link: RSR2290		
	Upstream	Downstream
Scenario:	Existing	Invert: 12.75 ft
From Node:	NSR2290	Invert: 12.64 ft
To Node:	NSR2270	Manning's N: 0.0120
Link Count:	1	Manning's N: 0.0120
Flow Direction:	Both	Geometry: Horizontal Ellipse
Damping:	0.0000 ft	Geometry: Horizontal Ellipse
Length:	135.00 ft	Max Depth: 2.42 ft
FHWA Code:	0	Max Depth: 2.42 ft
Entr Loss Coef:	0.00	Bottom Clip
Exit Loss Coef:	0.00	Default: 0.00 ft
Bend Loss Coef:	0.00	Op Table:
Bend Location:	0.00 dec	Op Table:
Energy Switch:	Energy	Ref Node:
		Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
		Top Clip
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR2310		
	Upstream	Downstream
Scenario:	Existing	Invert: 12.75 ft
From Node:	NSR2310	Invert: 12.64 ft
To Node:	NSR2290	Manning's N: 0.0120
Link Count:	1	Manning's N: 0.0120
Flow Direction:	Both	Geometry: Horizontal Ellipse
		Geometry: Horizontal Ellipse
		Max Depth: 2.42 ft
		Max Depth: 2.42 ft
		Bottom Clip

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	105.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RSR2310OW

	Upstream	Downstream
Scenario:	Existing	Invert: 16.93 ft
From Node:	NSR2310	Manning's N: 0.0000
To Node:	NSR2270	Geometry: Irregular
Link Count:	1	Cross Section: RSR2310OW
Flow Direction:	Both	Cross Section: RSR2310OW
Damping:	0.0000 ft	
Length:	33.00 ft	
Contraction Coef:	0.00	
Expansion Coef:	0.00	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	

Comment:

Pipe Link: RSR2330

	Upstream	Downstream
Scenario:	Existing	Invert: 13.61 ft
From Node:	NSR2330	Manning's N: 0.0120
To Node:	NSR2310	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 1.58 ft
Flow Direction:	Both	Bottom Clip
Damping:	0.0000 ft	Default: 0.00 ft
Length:	287.00 ft	Op Table:
FHWA Code:	0	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip
Bend Loss Coef:	0.00	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:
Energy Switch:	Energy	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR2330OW		Upstream	Downstream
Scenario:	Existing	Invert: 16.80 ft	Invert: 16.79 ft
From Node:	NSR2350	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR2330	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RSR2330OW	Cross Section: RSR2330OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RSR2350		Upstream	Downstream
Scenario:	Existing	Invert: 14.12 ft	Invert: 13.61 ft
From Node:	NSR2350	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NSR2330	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	319.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: RSR2370		Upstream	Downstream
Scenario:	Existing	Invert: 10.82 ft	Invert: 10.82 ft
From Node:	NSR2370	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NSR1930	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	23.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: RSR2390OW

Scenario:	Existing	Bottom Clip	
From Node:	NSR2390	Default:	0.00 ft
To Node:	NSR2370	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	17.90 ft	Discharge Coefficients	
Control Elevation:	17.90 ft	Weir Default:	2.400
Max Depth:	833.25 ft	Weir Table:	
Max Width:	50.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Channel Link: RSR2410

	Upstream	Downstream			
Scenario:	Existing	Invert:	14.13 ft	Invert:	10.73 ft
From Node:	NSR2410	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR2370	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RSR2410	Cross Section:	RSR2410
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	560.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: RSR2430OW

	Upstream	Downstream			
Scenario:	Existing	Invert:	17.74 ft	Invert:	17.73 ft
From Node:	NSR2430	Manning's N:	0.0000	Manning's N:	0.0000

To Node:	NSR2410	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RSR2430OW	Cross Section: RSR2430OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Weir Link: RSR2450OW			
Scenario:	Existing	Bottom Clip	
From Node:	NSR2450	Default:	0.00 ft
To Node:	NSR2410	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	17.70 ft	Discharge Coefficients	
Control Elevation:	17.70 ft	Weir Default:	2.600
Max Depth:	833.25 ft	Weir Table:	
Max Width:	50.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Channel Link: RSR2775OW			
Scenario:	Existing	Upstream	Downstream
		Invert: 6.80 ft	Invert: 5.10 ft
From Node:	NBW2775	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW0270	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_20FT_FULL	Cross Section: CURB_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	288.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Weir Link: RSR2775OWB

Scenario: Existing
From Node: NBW2775
To Node: NBW0330
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 6.50 ft
Control Elevation: 6.50 ft
Max Depth: 9999.00 ft
Max Width: 70.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR3000

Scenario: Existing
From Node: NSR3000
To Node: NSR3005
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 14.42 ft
Control Elevation: 14.42 ft
Max Depth: 3.28 ft
Max Width: 1.75 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR3000A

Scenario: Existing
From Node: NSR3000
To Node: NSR3005
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:

Geometry Type: Rectangular
 Invert: 15.08 ft
 Control Elevation: 15.08 ft
 Max Depth: 2.62 ft
 Max Width: 3.08 ft
 Fillet: 0.00 ft

Ref Node:

Discharge Coefficients

Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: RSR3000OWA

Scenario: Existing
 From Node: NSR3000
 To Node: NSR1870
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 17.00 ft
 Control Elevation: 17.00 ft
 Max Depth: 9999.00 ft
 Max Width: 50.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RSR3001

Scenario: Existing
 From Node: NSR3005
 To Node: NSR1870
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 144.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 14.05 ft

Manning's N: 0.0130

Geometry: Horizontal Ellipse

Max Depth: 1.17 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Downstream

Invert: 12.62 ft

Manning's N: 0.0130

Geometry: Horizontal Ellipse

Max Depth: 1.17 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Comment:

Pipe Link: RSR3020		Upstream	Downstream
Scenario:	Existing	Invert: 13.17 ft	Invert: 11.94 ft
From Node:	NSR3020	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NSR3040	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	615.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RSR3020OW		Upstream	Downstream
Scenario:	Existing	Invert: 17.50 ft	Invert: 15.50 ft
From Node:	NSR3020	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR3040	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	420.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: RSR3020OWA		Upstream	Downstream
Scenario:	Existing	Invert: 17.60 ft	Invert: 16.50 ft
From Node:	NSR3020	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR3040	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_25FT_HALF	Cross Section: CURB_25FT_HALF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	870.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: RSR3020OWB	Upstream	Downstream
Scenario: Existing	Invert: 17.60 ft	Invert: 17.40 ft
From Node: NSR3020	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0881	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_30FT_FULL	Cross Section: LOCAL_30FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 150.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RSR3020OWC	Upstream	Downstream
Scenario: Existing	Invert: 17.90 ft	Invert: 16.00 ft
From Node: NSR3020	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR1870	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CURB_25FT_HALF	Cross Section: CURB_25FT_HALF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 847.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR3040	Upstream	Downstream
Scenario: Existing	Invert: 11.94 ft	Invert: 11.74 ft

From Node: NSR3040	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0870	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 98.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RSR3040OW

Scenario: Existing	Bottom Clip
From Node: NSR3040	Default: 0.00 ft
To Node: NSR0870	Op Table:
Link Count: 1	Ref Node:
Flow Direction: Both	Top Clip
Damping: 0.0000	Default: 0.00 ft
Weir Type: Broad Crested Vertical	Op Table:
Geometry Type: Rectangular	Ref Node:
Invert: 15.80 ft	Discharge Coefficients
Control Elevation: 15.80 ft	Weir Default: 2.600
Max Depth: 9999.00 ft	Weir Table:
Max Width: 150.00 ft	Orifice Default: 0.600
Fillet: 0.00 ft	Orifice Table:

Comment:

Channel Link: RSR3040OWA

	Upstream	Downstream
Scenario: Existing	Invert: 16.40 ft	Invert: 15.30 ft
From Node: NSR3040	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR3060	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction: Both		
Damping: 0.0000		
Length: 579.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		

Energy Switch: Energy

Comment:

Channel Link: RSR3040OWB

	Upstream	Downstream
Scenario: Existing	Invert: 16.50 ft	Invert: 15.50 ft
From Node: NSR3040	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR3060	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: HENDERSON_HALF	Cross Section: HENDERSON_HALF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 311.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Weir Link: RSR3040OWC

	Bottom Clip
Scenario: Existing	Default: 0.00 ft
From Node: NSR3040	Op Table:
To Node: NSR0880	Ref Node:
Link Count: 1	
Flow Direction: Both	Top Clip
Damping: 0.0000 ft	Default: 0.00 ft
Weir Type: Broad Crested Vertical	Op Table:
Geometry Type: Rectangular	Ref Node:
Invert: 16.20 ft	Discharge Coefficients
Control Elevation: 16.20 ft	Weir Default: 2.600
Max Depth: 9999.00 ft	Weir Table:
Max Width: 200.00 ft	Orifice Default: 0.600
Fillet: 0.00 ft	Orifice Table:

Comment:

Channel Link: RSR3041OWA

	Upstream	Downstream
Scenario: Existing	Invert: 17.60 ft	Invert: 16.30 ft
From Node: NBW2690	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0881	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL
Flow Direction: Both		

Damping: 0.0000 ft
Length: 530.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: RSR3041OWB**Upstream****Downstream**

Scenario:	Existing	Invert:	17.10 ft	Invert:	16.00 ft
From Node:	NSR0881	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR3040	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	HENDERSON_HALF	Cross Section:	HENDERSON_HALF
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	895.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RSR3060**Upstream****Downstream**

Scenario:	Existing	Invert:	11.95 ft	Invert:	11.86 ft
From Node:	NSR3060	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	NSR0840	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	43.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: RSR3060OW

Scenario: Existing
From Node: NSR3060
To Node: NSR0840
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 15.80 ft
Control Elevation: 15.80 ft
Max Depth: 9999.00 ft
Max Width: 20.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Channel Link: RSR3060OWA

Scenario: Existing
From Node: NSR3060
To Node: NSR1510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 332.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 15.60 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: LOCAL_20FT_FULL

Downstream

Invert: 14.30 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: LOCAL_20FT_FULL

Comment:

Weir Link: RSR0430OWA

Scenario: Existing
From Node: NSR0430
To Node: NSR0390
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 13.14 ft
Control Elevation: 13.14 ft
Max Depth: 9999.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:

Max Width: 80.00 ft
 Fillet: 0.00 ft

Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RSW0030

Scenario: Existing
 From Node: NSW0030
 To Node: NSW0010
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 130.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 1.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: -0.69 ft
 Manning's N: 0.0120

Geometry: Circular

Max Depth: 2.50 ft

Downstream

Invert: -0.97 ft
 Manning's N: 0.0120

Geometry: Circular

Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Comment:

Pipe Link: RSW0050

Scenario: Existing
 From Node: NSW0050
 To Node: NSW0030
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 507.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.20
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 0.39 ft
 Manning's N: 0.0120

Geometry: Circular

Max Depth: 2.50 ft

Downstream

Invert: -0.69 ft
 Manning's N: 0.0120

Geometry: Circular

Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Comment:

Pipe Link: SL15(2)

Scenario: Existing
 From Node: Lois

Upstream

Invert: 3.63 ft
 Manning's N: 0.0140

Downstream

Invert: 1.63 ft
 Manning's N: 0.0140

To Node: Hubert
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000
 Length: 636.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Geometry: Rectangular		Geometry: Rectangular	
Max Depth:	3.00 ft	Max Depth:	3.00 ft
Max Width:	4.00 ft	Max Width:	4.00 ft
Fillet:	0.00 ft	Fillet:	0.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: SR1670OW

Scenario: Existing
 From Node: NSR1670
 To Node: NBB0430
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000
 Length: 1220.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream		Downstream	
Invert:	15.83 ft	Invert:	14.93 ft
Manning's N:	0.0200	Manning's N:	0.0200
Geometry: Trapezoidal		Geometry: Trapezoidal	
Max Depth:	0.50 ft	Max Depth:	0.50 ft
Extrapolation:	Normal	Extrapolation:	Normal
Bottom Width:	25.00 ft	Bottom Width:	25.00 ft
Left Slope:	1.000 (h:v)	Left Slope:	1.000 (h:v)
Right Slope:	1.000 (h:v)	Right Slope:	1.000 (h:v)
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: ShamBox1.1

Scenario: Existing
 From Node: Shmrck1.1
 To Node: Shmrck1.2
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000
 Length: 326.00 ft

Upstream		Downstream	
Invert:	-0.22 ft	Invert:	-0.64 ft
Manning's N:	0.0140	Manning's N:	0.0140
Geometry: Rectangular		Geometry: Rectangular	
Max Depth:	4.00 ft	Max Depth:	4.00 ft
Max Width:	5.00 ft	Max Width:	5.00 ft
Fillet:	0.00 ft	Fillet:	0.00 ft
Bottom Clip			

FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: ShamBox1.2

	Upstream	Downstream
Scenario:	Existing	Existing
Invert:	-0.64 ft	-1.12 ft
From Node:	Shmrck1.2	
To Node:	Shamrock2	
Manning's N:	0.0140	0.0140
Geometry:	Rectangular	Rectangular
Link Count:	1	
Max Depth:	4.00 ft	4.00 ft
Flow Direction:	Both	
Max Width:	5.00 ft	5.00 ft
Damping:	0.0000 ft	
Fillet:	0.00 ft	0.00 ft
Length:	288.00 ft	
	Bottom Clip	
FHWA Code:	0	0
Default:	0.00 ft	0.00 ft
Entr Loss Coef:	0.00	0.00
Op Table:		
Exit Loss Coef:	0.00	0.00
Ref Node:		
Bend Loss Coef:	0.00	0.00
Manning's N:	0.0000	0.0000
Bend Location:	0.00 dec	
	Top Clip	
Energy Switch:	Energy	
Default:	0.00 ft	0.00 ft
Op Table:		
Ref Node:		
Manning's N:	0.0000	0.0000

Comment:

Pipe Link: ShamBox2.1

	Upstream	Downstream
Scenario:	Existing	Existing
Invert:	-0.22 ft	-0.64 ft
From Node:	Shmrck1.1	
To Node:	Shmrck1.2	
Manning's N:	0.0140	0.0140
Geometry:	Rectangular	Rectangular
Link Count:	1	
Max Depth:	4.00 ft	4.00 ft
Flow Direction:	Both	
Max Width:	5.00 ft	5.00 ft
Damping:	0.0000 ft	
Fillet:	0.00 ft	0.00 ft
Length:	326.00 ft	
	Bottom Clip	
FHWA Code:	0	0
Default:	0.00 ft	0.00 ft
Entr Loss Coef:	0.00	0.00
Op Table:		
Exit Loss Coef:	0.00	0.00
Ref Node:		
Bend Loss Coef:	0.00	0.00
Manning's N:	0.0000	0.0000
Bend Location:	0.00 dec	
	Top Clip	
Energy Switch:	Energy	
Default:	0.00 ft	0.00 ft
Op Table:		

Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Comment:	

Pipe Link: ShamBox2.2	Upstream	Downstream
Scenario: Existing	Invert: -0.64 ft	Invert: -1.12 ft
From Node: Shmrck1.2	Manning's N: 0.0140	Manning's N: 0.0140
To Node: Shamrock2	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Max Width: 5.00 ft	Max Width: 5.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 288.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: SI14(2)	Upstream	Downstream
Scenario: Existing	Invert: 1.63 ft	Invert: 1.14 ft
From Node: Hubert	Manning's N: 0.0140	Manning's N: 0.0140
To Node: M5.1	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Max Width: 5.00 ft	Max Width: 5.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 597.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: VascoW		Upstream	Downstream
Scenario:	Existing	Invert: 4.63 ft	Invert: 4.23 ft
From Node:	M4	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	H1	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction:	Both	Extrapolation: Normal	Extrapolation: Normal
Damping:	0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length:	850.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef:	0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip	
Entr Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef:	0.00	Op Table:	Op Table:
Bend Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Location:	0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch:	Energy	Top Clip	
		Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: W01		Bottom Clip
Scenario:	Existing	Default: 0.00 ft
From Node:	N01	Op Table:
To Node:	N01A	Ref Node:
Link Count:	1	Top Clip
Flow Direction:	Both	Default: 0.00 ft
Damping:	0.0000 ft	Op Table:
Weir Type:	Sharp Crested Vertical	Ref Node:
Geometry Type:	Rectangular	Discharge Coefficients
Invert:	18.30 ft	Weir Default: 3.200
Control Elevation:	18.30 ft	Weir Table:
Max Depth:	1.00 ft	Orifice Default: 0.600
Max Width:	0.50 ft	Orifice Table:
Fillet:	0.00 ft	

Comment: Estimated from field observations; fence prevented measurements

Weir Link: W01B		Bottom Clip
Scenario:	Existing	Default: 0.00 ft
From Node:	N01	Op Table:
To Node:	N01A	Ref Node:
Link Count:	1	Top Clip
Flow Direction:	Both	Default: 0.00 ft
Damping:	0.0000 ft	Op Table:
Weir Type:	Sharp Crested Vertical	

Geometry Type: Rectangular
Invert: 19.30 ft
Control Elevation: 19.30 ft
Max Depth: 9999.00 ft
Max Width: 12.00 ft
Fillet: 0.00 ft

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Estimated from field observations; fence prevented measurements

Weir Link: WCypEast

Scenario: Existing

From Node: NCL4010

To Node: NCypEast

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 29.00 ft

Control Elevation: 29.00 ft

Cross Section: XCypEast

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: WCypWest

Scenario: Existing

From Node: NCL4000

To Node: NCypWest

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 29.93 ft

Control Elevation: 29.93 ft

Cross Section: XCypWest

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: WRU0390

Scenario: Existing
From Node: NRU0390
To Node: NRU0380
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 17.28 ft
Control Elevation: 17.28 ft
Max Depth: 1.22 ft
Max Width: 3.67 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Added per ERP 21192 (page 18, 35)

Weir Link: WRU0390B

Scenario: Existing
From Node: NRU0390
To Node: NRU0380
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 18.50 ft
Control Elevation: 18.50 ft
Max Depth: 9999.00 ft
Max Width: 14.17 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Added per ERP 21192 (page 18, 35)

Weir Link: WRU0990

Scenario: Existing
From Node: NRU0990
To Node: NRU0980
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 16.04 ft
Control Elevation: 16.04 ft
Max Depth: 2.10 ft
Max Width: 5.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600

Fillet: 0.00 ft

Orifice Table:

Comment:

Weir Link: WRU1020

Scenario: Existing
From Node: STORAGE12
To Node: NRU1020
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 15.14 ft
Control Elevation: 15.14 ft
Max Depth: 4.10 ft
Max Width: 50.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Updated per ERP1978

Weir Link: WRU1020B

Scenario: Existing
From Node: NRU1020
To Node: NRU1025
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 16.14 ft
Control Elevation: 16.14 ft
Max Depth: 0.67 ft
Max Width: 1.75 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Updated per ERP 19758

Weir Link: WRU1020C

Scenario: Existing
From Node: NRU1020
To Node: NRU1025
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 19.34 ft
Control Elevation: 19.34 ft
Max Depth: 0.70 ft
Max Width: 3.00 ft
Fillet: 0.00 ft

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Updated per ERP 19758

Weir Link: WRU1035

Scenario: Existing
From Node: STORAGE13
To Node: NRU1035
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 16.24 ft
Control Elevation: 16.24 ft
Max Depth: 3.70 ft
Max Width: 50.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Updated per ERP 20364

Weir Link: WRU1035B

Scenario: Existing
From Node: NRU1035
To Node: NRU1037
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Circular
Invert: 16.91 ft
Control Elevation: 16.91 ft
Max Depth: 0.58 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Updated per ERP 20364

Weir Link: WRU1035C

Scenario: Existing
From Node: NRU1035
To Node: NRU1037
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 19.94 ft
Control Elevation: 19.94 ft
Max Depth: 2.20 ft
Max Width: 14.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Updated per ERP 20364

Weir Link: WRU1188

Scenario: Existing
From Node: NRU1188
To Node: NRU1184
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 18.00 ft
Control Elevation: 18.00 ft
Max Depth: 9999.00 ft
Max Width: 10.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: WRU1225

Scenario: Existing
From Node: STORAGE14
To Node: NRU1225
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 19.44 ft
Control Elevation: 19.44 ft
Max Depth: 4.00 ft
Max Width: 27.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600

Fillet: 0.00 ft

Orifice Table:

Comment: See ERP 11814

Weir Link: WRU1225B

Scenario: Existing
From Node: NRU1225
To Node: NRU1220
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 22.98 ft
Control Elevation: 22.98 ft
Cross Section: XOW850

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: WRU1225C

Scenario: Existing
From Node: NRU1225
To Node: NRU1220
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 23.17 ft
Control Elevation: 23.17 ft
Cross Section: XOW851

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: WRU1225D

Scenario: Existing
From Node: NRU1225
To Node: NSH80
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 23.10 ft
Control Elevation: 23.10 ft
Cross Section: XOW852

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: WSH02

Scenario: Existing
From Node: STORAGE11
To Node: NSH02
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 16.54 ft
Control Elevation: 16.54 ft
Max Depth: 4.00 ft
Max Width: 50.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: WinnDixie vault per ERP 9274

Weir Link: WSH02B

Scenario: Existing
From Node: NSH02
To Node: NSH60
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.12 ft
Control Elevation: 21.12 ft
Cross Section: XOW809

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: WSH02C

Scenario: Existing
From Node: NSH02
To Node: NSH04
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.19 ft
Control Elevation: 21.19 ft
Cross Section: XOW807

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: WSH02D

Scenario: Existing
From Node: NSH02
To Node: PondA
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.12 ft
Control Elevation: 21.12 ft
Cross Section: XOW808

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: WSH02E

Scenario: Existing
From Node: NSH02
To Node: NSH03
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 20.63 ft
Control Elevation: 20.63 ft
Max Depth: 1.41 ft
Max Width: 2.99 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600

Fillet: 0.00 ft

Orifice Table:

Comment: ERP 9274

Weir Link: WSH28

Scenario: Existing
From Node: NSH28
To Node: NSH31
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 8.00 ft
Control Elevation: 8.00 ft
Max Depth: 9999.00 ft
Max Width: 8.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: WSH49

Scenario: Existing
From Node: NSH49
To Node: NSH83
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.25 ft
Control Elevation: 20.25 ft
Cross Section: XOW900

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: WSH60

Scenario: Existing
From Node: STORAGE9
To Node: NSH60
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 16.14 ft
Control Elevation: 16.14 ft
Max Depth: 2.50 ft
Max Width: 2.50 ft
Fillet: 0.00 ft

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Updated per ERP 31682

Weir Link: WSH60B

Scenario: Existing
From Node: NSH60
To Node: NSH61
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 17.25 ft
Control Elevation: 17.25 ft
Max Depth: 3.11 ft
Max Width: 2.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Updated per ERP 31682

Weir Link: WSH60C

Scenario: Existing
From Node: NSH60
To Node: NSH50
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.56 ft
Control Elevation: 20.56 ft
Cross Section: XOW804

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: WSH60D

Scenario: Existing
From Node: NSH60
To Node: NSH04
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.02 ft
Control Elevation: 21.02 ft
Cross Section: XOW805

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: WSH65

Scenario: Existing
From Node: STORAGE10
To Node: NSH65
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 18.59 ft
Control Elevation: 18.59 ft
Max Depth: 2.50 ft
Max Width: 2.50 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Updated per ERP 28940

Weir Link: WSH65B

Scenario: Existing
From Node: NSH65
To Node: NSH50
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 22.61 ft
Control Elevation: 22.61 ft
Cross Section: XOW806

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: Updated per ERP 28940

Weir Link: WSH81

Scenario: Existing
From Node: NSH81
To Node: NSH49
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.76 ft
Control Elevation: 20.76 ft
Cross Section: XOW902

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: WSH82

Scenario: Existing
From Node: NSH82
To Node: NSH49
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.74 ft
Control Elevation: 20.74 ft
Cross Section: XOW901

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Channel Link: gutter11.1

Scenario: Existing
From Node: L6
To Node: V3
Link Count: 1
Flow Direction: Both

Upstream

Invert: 6.93 ft

Manning's N: 0.0200

Geometry: Trapezoidal

Max Depth: 0.50 ft

Extrapolation: Normal

Downstream

Invert: 6.53 ft

Manning's N: 0.0200

Geometry: Trapezoidal

Max Depth: 0.50 ft

Extrapolation: Normal

Damping:	0.0000 ft	Bottom Width:	25.00 ft	Bottom Width:	25.00 ft
Length:	292.00 ft	Left Slope:	1.000 (h:v)	Left Slope:	1.000 (h:v)
Contraction Coef:	0.00	Right Slope:	1.000 (h:v)	Right Slope:	1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: gutter12.1		Upstream		Downstream	
Scenario:	Existing	Invert:	7.63 ft	Invert:	6.93 ft
From Node:	L5	Manning's N:	0.0200	Manning's N:	0.0200
To Node:	L6	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	25.00 ft	Bottom Width:	25.00 ft
Length:	286.00 ft	Left Slope:	1.000 (h:v)	Left Slope:	1.000 (h:v)
Contraction Coef:	0.00	Right Slope:	1.000 (h:v)	Right Slope:	1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: gutter12.2		Upstream		Downstream	
Scenario:	Existing	Invert:	8.43 ft	Invert:	7.63 ft
From Node:	L4	Manning's N:	0.0200	Manning's N:	0.0200
To Node:	L5	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	25.00 ft	Bottom Width:	25.00 ft
Length:	286.00 ft	Left Slope:	1.000 (h:v)	Left Slope:	1.000 (h:v)
Contraction Coef:	0.00	Right Slope:	1.000 (h:v)	Right Slope:	1.000 (h:v)

Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutter13.1		Upstream	Downstream
Scenario: Existing	Invert: 6.33 ft	Invert: 6.13 ft	
From Node: M1.1	Manning's N: 0.0200	Manning's N: 0.0200	
To Node: M1	Geometry: Trapezoidal		Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft	
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal	
Damping: 0.0000 ft	Bottom Width: 50.00 ft	Bottom Width: 50.00 ft	
Length: 250.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)	
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)	
Expansion Coef: 0.00	Bottom Clip		
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft	
Exit Loss Coef: 0.00	Op Table:	Op Table:	
Bend Loss Coef: 0.00	Ref Node:	Ref Node:	
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000	
Energy Switch: Energy	Top Clip		
	Default: 0.00 ft	Default: 0.00 ft	
	Op Table:	Op Table:	
	Ref Node:	Ref Node:	
	Manning's N: 0.0000	Manning's N: 0.0000	

Comment:

Channel Link: gutter13.2		Upstream	Downstream
Scenario: Existing	Invert: 7.03 ft	Invert: 6.33 ft	
From Node: M1.2	Manning's N: 0.0200	Manning's N: 0.0200	
To Node: M1.1	Geometry: Trapezoidal		Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft	
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal	
Damping: 0.0000 ft	Bottom Width: 50.00 ft	Bottom Width: 50.00 ft	
Length: 214.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)	
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)	
Expansion Coef: 0.00	Bottom Clip		
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft	
Exit Loss Coef: 0.00	Op Table:	Op Table:	

Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy				

Top Clip

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: gutter13.3

Upstream

Downstream

Scenario:	Existing	Invert:	7.13 ft	Invert:	7.03 ft
From Node:	M1.3	Manning's N:	0.0200	Manning's N:	0.0200
To Node:	M1.2	Geometry:	Trapezoidal	Geometry:	Trapezoidal
Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	50.00 ft	Bottom Width:	50.00 ft
Length:	236.00 ft	Left Slope:	1.000 (h:v)	Left Slope:	1.000 (h:v)
Contraction Coef:	0.00	Right Slope:	1.000 (h:v)	Right Slope:	1.000 (h:v)
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Bottom Clip

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Top Clip

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: gutter13.4

Upstream

Downstream

Scenario:	Existing	Invert:	10.43 ft	Invert:	8.43 ft
From Node:	L3	Manning's N:	0.0200	Manning's N:	0.0200
To Node:	L4	Geometry:	Trapezoidal	Geometry:	Trapezoidal
Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	25.00 ft	Bottom Width:	25.00 ft
Length:	300.00 ft	Left Slope:	1.000 (h:v)	Left Slope:	1.000 (h:v)
Contraction Coef:	0.00	Right Slope:	1.000 (h:v)	Right Slope:	1.000 (h:v)
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Bottom Clip

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: gutter13.5

Scenario: Existing
From Node: L2
To Node: L3
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 252.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 11.63 ft
Manning's N: 0.0200
Geometry: Trapezoidal
Max Depth: 0.50 ft
Extrapolation: Normal
Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)

Downstream

Invert: 10.43 ft
Manning's N: 0.0200
Geometry: Trapezoidal
Max Depth: 0.50 ft
Extrapolation: Normal
Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: gutter13.6

Scenario: Existing
From Node: L1
To Node: L2
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 212.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 11.53 ft
Manning's N: 0.0200
Geometry: Trapezoidal
Max Depth: 0.50 ft
Extrapolation: Normal
Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)

Downstream

Invert: 11.63 ft
Manning's N: 0.0200
Geometry: Trapezoidal
Max Depth: 0.50 ft
Extrapolation: Normal
Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Default: 0.00 ft
Op Table:
Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: gutter19.1

Scenario: Existing
 From Node: G9
 To Node: V3
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 1500.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 12.83 ft
 Manning's N: 0.0200
 Geometry: Trapezoidal
 Max Depth: 0.50 ft
 Extrapolation: Normal
 Bottom Width: 25.00 ft
 Left Slope: 1.000 (h:v)
 Right Slope: 1.000 (h:v)

Downstream

Invert: 6.53 ft
 Manning's N: 0.0200
 Geometry: Trapezoidal
 Max Depth: 0.50 ft
 Extrapolation: Normal
 Bottom Width: 25.00 ft
 Left Slope: 1.000 (h:v)
 Right Slope: 1.000 (h:v)

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: gutter19.2

Scenario: Existing
 From Node: G9
 To Node: Clark2
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 940.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 12.83 ft
 Manning's N: 0.0200
 Geometry: Trapezoidal
 Max Depth: 0.50 ft
 Extrapolation: Normal
 Bottom Width: 25.00 ft
 Left Slope: 1.000 (h:v)
 Right Slope: 1.000 (h:v)

Downstream

Invert: 7.93 ft
 Manning's N: 0.0200
 Geometry: Trapezoidal
 Max Depth: 0.50 ft
 Extrapolation: Normal
 Bottom Width: 25.00 ft
 Left Slope: 1.000 (h:v)
 Right Slope: 1.000 (h:v)

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: gutter20.1		Upstream	Downstream
Scenario:	Existing	Invert: 12.93 ft	Invert: 6.93 ft
From Node:	G8	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	L6	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction:	Both	Extrapolation: Normal	Extrapolation: Normal
Damping:	0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length:	1500.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef:	0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip	
Entr Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef:	0.00	Op Table:	Op Table:
Bend Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Location:	0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch:	Energy	Top Clip	
		Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: gutter21.1		Upstream	Downstream
Scenario:	Existing	Invert: 13.83 ft	Invert: 8.43 ft
From Node:	G7	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	L4	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction:	Both	Extrapolation: Normal	Extrapolation: Normal
Damping:	0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length:	1500.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef:	0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip	
Entr Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef:	0.00	Op Table:	Op Table:
Bend Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Location:	0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch:	Energy	Top Clip	
		Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: gutter23.1		Upstream	Downstream
Scenario:	Existing	Invert: 13.43 ft	Invert: 10.43 ft
From Node:	G5	Manning's N: 0.0200	Manning's N: 0.0200

To Node: L3
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 1500.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Geometry: Trapezoidal	Geometry: Trapezoidal
Max Depth: 0.50 ft	Max Depth: 0.50 ft
Extrapolation: Normal	Extrapolation: Normal
Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutter24.1

Scenario: Existing
 From Node: G4
 To Node: L1
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 1500.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream	Downstream
Invert: 14.23 ft	Invert: 11.53 ft
Manning's N: 0.0200	Manning's N: 0.0200
Geometry: Trapezoidal	Geometry: Trapezoidal
Max Depth: 0.50 ft	Max Depth: 0.50 ft
Extrapolation: Normal	Extrapolation: Normal
Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutter31.2

Scenario: Existing
 From Node: DM2
 To Node: G8
 Link Count: 1
 Flow Direction: Both

Upstream	Downstream
Invert: 14.73 ft	Invert: 12.93 ft
Manning's N: 0.0200	Manning's N: 0.0200
Geometry: Trapezoidal	Geometry: Trapezoidal
Max Depth: 0.50 ft	Max Depth: 0.50 ft
Extrapolation: Normal	Extrapolation: Normal

Damping:	0.0000 ft	Bottom Width:	25.00 ft	Bottom Width:	25.00 ft
Length:	1400.00 ft	Left Slope:	1.000 (h:v)	Left Slope:	1.000 (h:v)
Contraction Coef:	0.00	Right Slope:	1.000 (h:v)	Right Slope:	1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: gutter32.1		Upstream	Downstream
Scenario:	Existing	Invert: 15.23 ft	Invert: 13.43 ft
From Node:	DM1	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	G5	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction:	Both	Extrapolation: Normal	Extrapolation: Normal
Damping:	0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length:	1400.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef:	0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip	
Entr Loss Coef:	0.00	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:	
Bend Loss Coef:	0.00	Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip	

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: gutter32.2		Upstream	Downstream
Scenario:	Existing	Invert: 15.23 ft	Invert: 12.73 ft
From Node:	DM1	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	G6	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction:	Both	Extrapolation: Normal	Extrapolation: Normal
Damping:	0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length:	1050.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef:	0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)

Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutterL1		Upstream	Downstream
Scenario: Existing	Invert: 11.53 ft	Invert: 7.13 ft	
From Node: L1	Manning's N: 0.0200	Manning's N: 0.0200	
To Node: M1.3	Geometry: Trapezoidal		Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft	
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal	
Damping: 0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft	
Length: 1300.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)	
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)	
Expansion Coef: 0.00	Bottom Clip		
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft	
Exit Loss Coef: 0.00	Op Table:	Op Table:	
Bend Loss Coef: 0.00	Ref Node:	Ref Node:	
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000	
Energy Switch: Energy	Top Clip		
	Default: 0.00 ft	Default: 0.00 ft	
	Op Table:	Op Table:	
	Ref Node:	Ref Node:	
	Manning's N: 0.0000	Manning's N: 0.0000	

Comment:

Channel Link: gutterL2		Upstream	Downstream
Scenario: Existing	Invert: 11.63 ft	Invert: 7.03 ft	
From Node: L2	Manning's N: 0.0200	Manning's N: 0.0200	
To Node: M1.2	Geometry: Trapezoidal		Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft	
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal	
Damping: 0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft	
Length: 1300.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)	
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)	
Expansion Coef: 0.00	Bottom Clip		
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft	
Exit Loss Coef: 0.00	Op Table:	Op Table:	

Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy				

Top Clip

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: gutterL3

Upstream

Downstream

Scenario:	Existing	Invert:	10.43 ft	Invert:	6.33 ft
From Node:	L3	Manning's N:	0.0200	Manning's N:	0.0200
To Node:	M1.1	Geometry:	Trapezoidal	Geometry:	Trapezoidal
Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	25.00 ft	Bottom Width:	25.00 ft
Length:	1300.00 ft	Left Slope:	1.000 (h:v)	Left Slope:	1.000 (h:v)
Contraction Coef:	0.00	Right Slope:	1.000 (h:v)	Right Slope:	1.000 (h:v)
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Bottom Clip

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Top Clip

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: gutterL4

Upstream

Downstream

Scenario:	Existing	Invert:	8.43 ft	Invert:	5.53 ft
From Node:	L4	Manning's N:	0.0200	Manning's N:	0.0200
To Node:	M2	Geometry:	Trapezoidal	Geometry:	Trapezoidal
Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	25.00 ft	Bottom Width:	25.00 ft
Length:	1580.00 ft	Left Slope:	1.000 (h:v)	Left Slope:	1.000 (h:v)
Contraction Coef:	0.00	Right Slope:	1.000 (h:v)	Right Slope:	1.000 (h:v)
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Bottom Clip

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: gutterL5

Scenario: Existing
From Node: L5
To Node: M2
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 1300.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 7.63 ft
Manning's N: 0.0200
Geometry: Trapezoidal
Max Depth: 0.50 ft
Extrapolation: Normal
Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)

Downstream

Invert: 5.53 ft
Manning's N: 0.0200
Geometry: Trapezoidal
Max Depth: 0.50 ft
Extrapolation: Normal
Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: gutterL6

Scenario: Existing
From Node: L6
To Node: M3
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 1300.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 6.93 ft
Manning's N: 0.0200
Geometry: Trapezoidal
Max Depth: 0.50 ft
Extrapolation: Normal
Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)

Downstream

Invert: 5.13 ft
Manning's N: 0.0200
Geometry: Trapezoidal
Max Depth: 0.50 ft
Extrapolation: Normal
Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Default: 0.00 ft
Op Table:
Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: gutterSL10	Upstream	Downstream
Scenario: Existing	Invert: 4.63 ft	Invert: 5.43 ft
From Node: M4	Manning's N: 0.0200	Manning's N: 0.0200
To Node: M5.1	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal
Damping: 0.0000 ft	Bottom Width: 50.00 ft	Bottom Width: 50.00 ft
Length: 175.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutterSL11	Upstream	Downstream
Scenario: Existing	Invert: 5.13 ft	Invert: 4.63 ft
From Node: M3	Manning's N: 0.0200	Manning's N: 0.0200
To Node: M4	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal
Damping: 0.0000 ft	Bottom Width: 50.00 ft	Bottom Width: 50.00 ft
Length: 300.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutterSL12		Upstream	Downstream
Scenario:	Existing	Invert: 5.53 ft	Invert: 5.13 ft
From Node:	M2	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	M3	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction:	Both	Extrapolation: Normal	Extrapolation: Normal
Damping:	0.0000 ft	Bottom Width: 50.00 ft	Bottom Width: 50.00 ft
Length:	292.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef:	0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip	
Entr Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef:	0.00	Op Table:	Op Table:
Bend Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Location:	0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch:	Energy	Top Clip	
		Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: gutterSL13		Upstream	Downstream
Scenario:	Existing	Invert: 6.13 ft	Invert: 5.53 ft
From Node:	M1	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	M2	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction:	Both	Extrapolation: Normal	Extrapolation: Normal
Damping:	0.0000 ft	Bottom Width: 50.00 ft	Bottom Width: 50.00 ft
Length:	360.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef:	0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip	
Entr Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef:	0.00	Op Table:	Op Table:
Bend Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Location:	0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch:	Energy	Top Clip	
		Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: gutterSL14		Upstream	Downstream
Scenario:	Existing	Invert: 5.33 ft	Invert: 5.43 ft
From Node:	Hubert	Manning's N: 0.0200	Manning's N: 0.0200

To Node: M5.1
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 597.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Geometry: Trapezoidal	Geometry: Trapezoidal
Max Depth: 0.50 ft	Max Depth: 0.50 ft
Extrapolation: Normal	Extrapolation: Normal
Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutterSL15

Scenario: Existing
 From Node: Lois
 To Node: Hubert
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 636.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream	Downstream
Invert: 6.73 ft	Invert: 5.33 ft
Manning's N: 0.0200	Manning's N: 0.0200
Geometry: Trapezoidal	Geometry: Trapezoidal
Max Depth: 0.50 ft	Max Depth: 0.50 ft
Extrapolation: Normal	Extrapolation: Normal
Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutterSL16

Scenario: Existing
 From Node: Clark2
 To Node: Lois
 Link Count: 1
 Flow Direction: Both

Upstream	Downstream
Invert: 7.93 ft	Invert: 6.73 ft
Manning's N: 0.0200	Manning's N: 0.0200
Geometry: Trapezoidal	Geometry: Trapezoidal
Max Depth: 0.50 ft	Max Depth: 0.50 ft
Extrapolation: Normal	Extrapolation: Normal

Damping:	0.0000 ft	Bottom Width:	25.00 ft	Bottom Width:	25.00 ft
Length:	642.00 ft	Left Slope:	1.000 (h:v)	Left Slope:	1.000 (h:v)
Contraction Coef:	0.00	Right Slope:	1.000 (h:v)	Right Slope:	1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: gutterSL17		Upstream		Downstream	
Scenario:	Existing	Invert:	8.93 ft	Invert:	7.93 ft
From Node:	Clark1	Manning's N:	0.0200	Manning's N:	0.0200
To Node:	Clark2	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	25.00 ft	Bottom Width:	25.00 ft
Length:	445.00 ft	Left Slope:	1.000 (h:v)	Left Slope:	1.000 (h:v)
Contraction Coef:	0.00	Right Slope:	1.000 (h:v)	Right Slope:	1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: gutterSL19		Upstream		Downstream	
Scenario:	Existing	Invert:	12.83 ft	Invert:	11.93 ft
From Node:	G9	Manning's N:	0.0200	Manning's N:	0.0200
To Node:	G10	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	25.00 ft	Bottom Width:	25.00 ft
Length:	164.00 ft	Left Slope:	1.000 (h:v)	Left Slope:	1.000 (h:v)
Contraction Coef:	0.00	Right Slope:	1.000 (h:v)	Right Slope:	1.000 (h:v)

Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutterSL20		Upstream	Downstream
Scenario: Existing	Invert: 12.93 ft	Invert: 12.83 ft	
From Node: G8	Manning's N: 0.0200	Manning's N: 0.0200	
To Node: G9	Geometry: Trapezoidal	Geometry: Trapezoidal	
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft	
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal	
Damping: 0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft	
Length: 295.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)	
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)	
Expansion Coef: 0.00	Bottom Clip		
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft	
Exit Loss Coef: 0.00	Op Table:	Op Table:	
Bend Loss Coef: 0.00	Ref Node:	Ref Node:	
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000	
Energy Switch: Energy	Top Clip		
	Default: 0.00 ft	Default: 0.00 ft	
	Op Table:	Op Table:	
	Ref Node:	Ref Node:	
	Manning's N: 0.0000	Manning's N: 0.0000	

Comment:

Channel Link: gutterSL21		Upstream	Downstream
Scenario: Existing	Invert: 13.83 ft	Invert: 12.93 ft	
From Node: G7	Manning's N: 0.0200	Manning's N: 0.0200	
To Node: G8	Geometry: Trapezoidal	Geometry: Trapezoidal	
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft	
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal	
Damping: 0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft	
Length: 559.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)	
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)	
Expansion Coef: 0.00	Bottom Clip		
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft	
Exit Loss Coef: 0.00	Op Table:	Op Table:	

Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	

Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutterSL22

Upstream

Downstream

Scenario: Existing	Invert: 12.73 ft	Invert: 13.83 ft
From Node: G6	Manning's N: 0.0200	Manning's N: 0.0200
To Node: G7	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal
Damping: 0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length: 646.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	

Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutterSL23

Upstream

Downstream

Scenario: Existing	Invert: 13.43 ft	Invert: 13.83 ft
From Node: G5	Manning's N: 0.0200	Manning's N: 0.0200
To Node: G7	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal
Damping: 0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length: 304.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: gutterSL24

Scenario: Existing
 From Node: G4
 To Node: G5
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 513.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 14.23 ft
 Manning's N: 0.0200
 Geometry: Trapezoidal
 Max Depth: 0.50 ft
 Extrapolation: Normal
 Bottom Width: 25.00 ft
 Left Slope: 1.000 (h:v)
 Right Slope: 1.000 (h:v)

Downstream

Invert: 13.43 ft
 Manning's N: 0.0200
 Geometry: Trapezoidal
 Max Depth: 0.50 ft
 Extrapolation: Normal
 Bottom Width: 25.00 ft
 Left Slope: 1.000 (h:v)
 Right Slope: 1.000 (h:v)

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: gutterSL25

Scenario: Existing
 From Node: G3
 To Node: G4
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 497.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 14.53 ft
 Manning's N: 0.0200
 Geometry: Trapezoidal
 Max Depth: 0.50 ft
 Extrapolation: Normal
 Bottom Width: 25.00 ft
 Left Slope: 1.000 (h:v)
 Right Slope: 1.000 (h:v)

Downstream

Invert: 14.23 ft
 Manning's N: 0.0200
 Geometry: Trapezoidal
 Max Depth: 0.50 ft
 Extrapolation: Normal
 Bottom Width: 25.00 ft
 Left Slope: 1.000 (h:v)
 Right Slope: 1.000 (h:v)

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Default: 0.00 ft
 Op Table:
 Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: gutterSL26	Upstream	Downstream
Scenario: Existing	Invert: 14.63 ft	Invert: 13.83 ft
From Node: G2	Manning's N: 0.0200	Manning's N: 0.0200
To Node: G3	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal
Damping: 0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length: 630.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutterSL27	Upstream	Downstream
Scenario: Existing	Invert: 14.03 ft	Invert: 13.83 ft
From Node: G1	Manning's N: 0.0200	Manning's N: 0.0200
To Node: G3	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal
Damping: 0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length: 468.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutterSL29		Upstream	Downstream
Scenario:	Existing	Invert: 12.63 ft	Invert: 12.63 ft
From Node:	Church1	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	Church2	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction:	Both	Extrapolation: Normal	Extrapolation: Normal
Damping:	0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length:	130.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef:	0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip	
Entr Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef:	0.00	Op Table:	Op Table:
Bend Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Location:	0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch:	Energy	Top Clip	
		Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: gutterSL31		Upstream	Downstream
Scenario:	Existing	Invert: 14.73 ft	Invert: 13.83 ft
From Node:	DM2	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	DM3	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction:	Both	Extrapolation: Normal	Extrapolation: Normal
Damping:	0.0000 ft	Bottom Width: 50.00 ft	Bottom Width: 50.00 ft
Length:	525.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef:	0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip	
Entr Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef:	0.00	Op Table:	Op Table:
Bend Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Location:	0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch:	Energy	Top Clip	
		Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: gutterSL32		Upstream	Downstream
Scenario:	Existing	Invert: 15.23 ft	Invert: 14.73 ft
From Node:	DM1	Manning's N: 0.0200	Manning's N: 0.0200

To Node: DM2
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 785.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Geometry: Trapezoidal	Geometry: Trapezoidal
Max Depth: 0.50 ft	Max Depth: 0.50 ft
Extrapolation: Normal	Extrapolation: Normal
Bottom Width: 50.00 ft	Bottom Width: 50.00 ft
Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutterSL4

Scenario: Existing
 From Node: Sevilla1
 To Node: Sevilla3
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 275.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream	Downstream
Invert: 4.48 ft	Invert: 5.47 ft
Manning's N: 0.0200	Manning's N: 0.0200
Geometry: Trapezoidal	Geometry: Trapezoidal
Max Depth: 0.50 ft	Max Depth: 0.50 ft
Extrapolation: Normal	Extrapolation: Normal
Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutterSL6

Scenario: Existing
 From Node: H1
 To Node: H2.1
 Link Count: 1
 Flow Direction: Both

Upstream	Downstream
Invert: 4.23 ft	Invert: 4.73 ft
Manning's N: 0.0200	Manning's N: 0.0200
Geometry: Trapezoidal	Geometry: Trapezoidal
Max Depth: 0.50 ft	Max Depth: 0.50 ft
Extrapolation: Normal	Extrapolation: Normal

Damping:	0.0000 ft	Bottom Width:	25.00 ft	Bottom Width:	25.00 ft
Length:	175.00 ft	Left Slope:	1.000 (h:v)	Left Slope:	1.000 (h:v)
Contraction Coef:	0.00	Right Slope:	1.000 (h:v)	Right Slope:	1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: gutterSL9		Upstream		Downstream	
Scenario:	Existing	Invert:	5.56 ft	Invert:	4.65 ft
From Node:	M6	Manning's N:	0.0200	Manning's N:	0.0200
To Node:	M5.1	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	50.00 ft	Bottom Width:	50.00 ft
Length:	150.00 ft	Left Slope:	1.000 (h:v)	Left Slope:	1.000 (h:v)
Contraction Coef:	0.00	Right Slope:	1.000 (h:v)	Right Slope:	1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: gutterV3		Upstream		Downstream	
Scenario:	Existing	Invert:	6.53 ft	Invert:	4.63 ft
From Node:	V3	Manning's N:	0.0200	Manning's N:	0.0200
To Node:	M4	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	25.00 ft	Bottom Width:	25.00 ft
Length:	1300.00 ft	Left Slope:	1.000 (h:v)	Left Slope:	1.000 (h:v)
Contraction Coef:	0.00	Right Slope:	1.000 (h:v)	Right Slope:	1.000 (h:v)

Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: pipeSL10	Upstream	Downstream
Scenario: Existing	Invert: 1.58 ft	Invert: 1.14 ft
From Node: M4	Manning's N: 0.0140	Manning's N: 0.0140
To Node: M5.1	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 175.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: pipeSL11	Upstream	Downstream
Scenario: Existing	Invert: 1.74 ft	Invert: 1.58 ft
From Node: M3	Manning's N: 0.0140	Manning's N: 0.0140
To Node: M4	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 300.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: pipeSL12		Upstream	Downstream
Scenario:	Existing	Invert: 2.13 ft	Invert: 1.74 ft
From Node:	M2	Manning's N: 0.0140	Manning's N: 0.0140
To Node:	M3	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	292.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: pipeSL13		Upstream	Downstream
Scenario:	Existing	Invert: 2.46 ft	Invert: 2.01 ft
From Node:	M1	Manning's N: 0.0140	Manning's N: 0.0140
To Node:	M2	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	360.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: pipeSL14		Upstream	Downstream
Scenario:	Existing	Invert: 1.63 ft	Invert: 1.14 ft
From Node:	Hubert	Manning's N: 0.0140	Manning's N: 0.0140
To Node:	M5.1	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Max Width: 5.00 ft	Max Width: 5.00 ft
Damping:	0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	597.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.00	Op Table:	Op Table:
Exit Loss Coef:	0.00	Ref Node:	Ref Node:

Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft

Op Table:		Op Table:	
Ref Node:		Ref Node:	

Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: pipeSL15

Upstream

Downstream

Scenario: Existing
 From Node: Lois
 To Node: Hubert
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 636.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 3.63 ft

Invert: 1.63 ft

Manning's N: 0.0140

Manning's N: 0.0140

Geometry: Rectangular

Geometry: Rectangular

Max Depth: 3.00 ft

Max Depth: 3.00 ft

Max Width: 4.00 ft

Max Width: 4.00 ft

Fillet: 0.00 ft

Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: pipeSL16

Upstream

Downstream

Scenario: Existing
 From Node: Clark2
 To Node: Lois
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 642.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 4.77 ft

Invert: 3.63 ft

Manning's N: 0.0140

Manning's N: 0.0140

Geometry: Rectangular

Geometry: Rectangular

Max Depth: 3.00 ft

Max Depth: 3.00 ft

Max Width: 4.00 ft

Max Width: 4.00 ft

Fillet: 0.00 ft

Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: pipeSL17		Upstream	Downstream
Scenario:	Existing	Invert: 6.44 ft	Invert: 5.23 ft
From Node:	Clark1	Manning's N: 0.0140	Manning's N: 0.0140
To Node:	Clark2	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	445.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: pipeSL18		Upstream	Downstream
Scenario:	Existing	Invert: 6.74 ft	Invert: 4.77 ft
From Node:	G10	Manning's N: 0.0140	Manning's N: 0.0140
To Node:	Clark2	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Max Width: 4.00 ft	Max Width: 4.00 ft
Damping:	0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	681.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.00	Op Table:	Op Table:
Exit Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip	
Energy Switch:	Energy	Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: pipeSL19		Upstream	Downstream
Scenario:	Existing	Invert: 6.95 ft	Invert: 6.74 ft
From Node:	G9	Manning's N: 0.0140	Manning's N: 0.0140
To Node:	G10	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	164.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: pipeSL20		Upstream		Downstream	
Scenario:	Existing	Invert:	7.33 ft	Invert:	6.95 ft
From Node:	G8	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	G9	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	295.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: pipeSL21		Upstream		Downstream	
Scenario:	Existing	Invert:	8.07 ft	Invert:	7.33 ft
From Node:	G7	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	G8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	559.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: pipeSL22		Upstream	Downstream
Scenario:	Existing	Invert: 9.24 ft	Invert: 8.51 ft
From Node:	G6	Manning's N: 0.0140	Manning's N: 0.0140
To Node:	G7	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	646.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: pipeSL23		Upstream	Downstream
Scenario:	Existing	Invert: 8.47 ft	Invert: 8.07 ft
From Node:	G5	Manning's N: 0.0140	Manning's N: 0.0140
To Node:	G7	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	304.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: pipeSL24		Upstream	Downstream
Scenario:	Existing	Invert: 9.15 ft	Invert: 8.47 ft
From Node:	G4	Manning's N: 0.0140	Manning's N: 0.0140
To Node:	G5	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	513.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: pipeSL25	Upstream	Downstream
Scenario: Existing	Invert: 9.79 ft	Invert: 9.15 ft
From Node: G3	Manning's N: 0.0140	Manning's N: 0.0140
To Node: G4	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 497.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: pipeSL26	Upstream	Downstream
Scenario: Existing	Invert: 12.37 ft	Invert: 10.53 ft
From Node: G2	Manning's N: 0.0140	Manning's N: 0.0140
To Node: G3	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 630.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: pipeSL27	Upstream	Downstream
Scenario: Existing	Invert: 10.39 ft	Invert: 9.79 ft

From Node:	G1	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	G3	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	468.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link:	pipeSL29	Upstream		Downstream	
Scenario:	Existing	Invert:	8.63 ft	Invert:	8.33 ft
From Node:	Church1	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	Church2	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	130.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link:	pipeSL3	Upstream		Downstream	
Scenario:	Existing	Invert:	1.23 ft	Invert:	0.83 ft
From Node:	Sevilla2	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	Shamrock2	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	175.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: pipeSL31

Upstream

Downstream

Scenario: Existing
 From Node: DM2
 To Node: DM3
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 525.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 9.36 ft
 Manning's N: 0.0140

Invert: 8.79 ft
 Manning's N: 0.0140

Geometry: Circular

Geometry: Circular

Max Depth: 3.00 ft

Max Depth: 3.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: pipeSL32

Upstream

Downstream

Scenario: Existing
 From Node: DM1
 To Node: DM2
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 785.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 10.66 ft
 Manning's N: 0.0140

Invert: 9.36 ft
 Manning's N: 0.0140

Geometry: Circular

Geometry: Circular

Max Depth: 2.50 ft

Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: pipeSL4

Upstream

Downstream

Scenario: Existing
 From Node: Sevilla1
 To Node: Sevilla3

Invert: 1.13 ft
 Manning's N: 0.0140

Invert: 0.75 ft
 Manning's N: 0.0140

Geometry: Horizontal Ellipse

Geometry: Horizontal Ellipse

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	237.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: pipeSL4.1	Upstream	Downstream
Scenario: Existing	Invert: 0.72 ft	Invert: -0.09 ft
From Node: Sevilla3	Manning's N: 0.0140	Manning's N: 0.0140
To Node: Sevilla4	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 362.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: pipeSL4.2	Upstream	Downstream
Scenario: Existing	Invert: -0.11 ft	Invert: -0.64 ft
From Node: Sevilla4	Manning's N: 0.0140	Manning's N: 0.0140
To Node: Shmrck1.2	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 296.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: pipeSL6	Upstream	Downstream
Scenario: Existing	Invert: 1.73 ft	Invert: 1.43 ft
From Node: H1	Manning's N: 0.0140	Manning's N: 0.0140
To Node: H2.1	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 105.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: pipeSL9	Upstream	Downstream
Scenario: Existing	Invert: 1.34 ft	Invert: 1.14 ft
From Node: M6	Manning's N: 0.0140	Manning's N: 0.0140
To Node: M5.1	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 123.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

O.2 Existing Model Results

DRAFT



Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
BC_N02	FEX100YR1D AY	0.00	18.00	0.0000	31.76	0.00	0
Church1	FEX100YR1D AY	8.77	10.78	0.0000	1.08	0.40	533
Church2	FEX100YR1D AY	8.77	10.78	0.0000	10.77	10.62	4390
Clark1	FEX100YR1D AY	7.21	8.28	0.0000	1.32	0.56	743
Clark2	FEX100YR1D AY	7.21	8.28	-0.0001	68.99	70.30	23073
DM1	FEX100YR1D AY	11.42	12.35	0.0000	12.44	12.40	1416
DM2	FEX100YR1D AY	10.30	11.12	0.0000	12.40	12.55	2201
DM3	FEX100YR1D AY	9.16	10.83	0.0000	12.55	10.77	2975
E_Outlet	FEX100YR1D AY	0.00	16.94	-0.0016	178.19	44.98	0
E_Outlet2	FEX100YR1D AY	0.00	17.00	0.0000	36.55	0.00	0
EIP_Hes.1	FEX100YR1D AY	1.99	4.77	0.0001	2.96	1.76	763
EIP_con.1	FEX100YR1D AY	2.18	5.03	0.0014	97.65	95.73	4221
EIPrad.1	FEX100YR1D AY	1.99	4.82	0.0000	2.37	1.68	18278
G1	FEX100YR1D AY	14.98	16.42	-0.0071	182.91	130.32	40657
G10	FEX100YR1D AY	8.77	10.73	-0.0001	69.01	68.99	4603
G2	FEX100YR1D AY	14.99	16.38	-0.0003	63.29	59.33	32943
G3	FEX100YR1D AY	14.86	16.35	-0.0004	186.71	186.40	27806
G4	FEX100YR1D AY	12.82	15.27	-0.0005	186.40	185.86	57268
G5	FEX100YR1D AY	11.69	14.13	-0.0003	116.46	110.87	48883
G6	FEX100YR1D AY	11.00	9.24	0.0000	15.96	0.00	0
G7	FEX100YR1D AY	11.00	12.68	0.0000	76.26	75.45	3601
G8	FEX100YR1D AY	10.07	11.61	0.0000	61.70	60.89	2143
G9	FEX100YR1D AY	9.41	11.04	0.0001	60.89	59.97	1353

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
H1	FEX100YR1D AY	1.99	5.43	-0.0002	48.49	48.40	16497
H2.1	FEX100YR1D AY	1.99	4.77	-0.0010	142.97	147.53	6105
Hubert	FEX100YR1D AY	3.16	5.75	-0.0001	68.64	73.55	19863
JUNCT1	FEX100YR1D AY	0.00	19.24	0.0000	15.02	14.70	5485
JUNCT10	FEX100YR1D AY	0.00	22.28	0.0000	86.45	86.36	11102
JUNCT2	FEX100YR1D AY	0.00	14.51	0.0000	45.63	45.62	3176
JUNCT3	FEX100YR1D AY	0.00	20.11	0.0000	18.71	18.17	10385
JUNCT4	FEX100YR1D AY	0.00	13.75	0.0000	10.62	10.62	5550
JUNCT6	FEX100YR1D AY	0.00	17.88	-0.0007	213.05	821.59	10288
JUNCT7	FEX100YR1D AY	0.00	20.28	0.0016	227.12	159.68	8392
JUNCT7B	FEX100YR1D AY	0.00	20.27	-0.0002	166.86	157.94	18405
JUNCT8	FEX100YR1D AY	0.00	20.28	0.0010	255.56	254.45	11638
JUNCT8B	FEX100YR1D AY	0.00	20.28	0.0001	254.45	242.29	26051
JUNCT9	FEX100YR1D AY	0.00	29.68	0.0000	87.41	87.55	9985
L1	FEX100YR1D AY	11.53	12.19	0.0000	70.05	72.13	51706
L2	FEX100YR1D AY	11.63	11.83	0.0000	19.49	19.80	39236
L3	FEX100YR1D AY	10.43	10.77	0.0000	45.22	44.90	46104
L4	FEX100YR1D AY	8.43	8.72	0.0000	22.40	22.40	50838
L5	FEX100YR1D AY	7.63	7.81	0.0000	9.71	9.47	43662
L6	FEX100YR1D AY	6.93	7.05	0.0000	4.24	3.96	43812
Lois	FEX100YR1D AY	4.82	6.23	0.0001	70.30	68.64	6808
M1	FEX100YR1D AY	2.58	6.81	0.0003	81.41	83.63	24883
M1.1	FEX100YR1D AY	6.33	7.14	0.0000	81.98	81.41	35352
M1.2	FEX100YR1D	7.03	7.49	0.0000	61.28	60.84	28678

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
M1.3	FEX100YR1D AY	7.13	7.80	0.0000	53.32	52.46	28491
M2	FEX100YR1D AY	2.58	6.29	-0.0006	100.85	95.14	60799
M3	FEX100YR1D AY	2.58	5.92	-0.0005	96.89	99.11	39437
M4	FEX100YR1D AY	2.58	5.75	-0.0006	99.31	86.15	53013
M5.1	FEX100YR1D AY	2.57	5.51	0.0003	102.06	97.96	29829
M6	FEX100YR1D AY	2.58	5.51	0.0001	1.61	0.44	558
Marjory_Pump	FEX100YR1D AY	0.00	37.95	0.0102	3.62	3.23	496
N01	FEX100YR1D AY	0.00	20.98	0.0000	36.99	25.87	39283
N01A	FEX100YR1D AY	0.00	20.96	0.0000	7.23	7.10	437
N02	FEX100YR1D AY	0.00	18.83	-0.0002	64.43	55.19	65768
N03	FEX100YR1D AY	0.00	20.07	0.0001	42.36	38.39	27839
N04	FEX100YR1D AY	0.00	20.08	0.0000	26.89	19.61	24907
N05	FEX100YR1D AY	0.00	18.64	0.0000	120.84	119.31	4390
N06	FEX100YR1D AY	0.00	17.66	0.0002	80.25	80.28	3292
N07A	FEX100YR1D AY	0.00	17.34	0.0002	82.91	82.92	4249
N08A	FEX100YR1D AY	0.00	16.25	0.0004	158.90	153.54	34900
N09	FEX100YR1D AY	0.00	14.20	0.0001	41.05	41.02	3054
N09A	FEX100YR1D AY	0.00	13.63	0.0003	144.14	144.15	1358
N10	FEX100YR1D AY	2.00	2.00	0.0000	417.08	0.00	0
N11	FEX100YR1D AY	0.00	17.85	-0.0008	265.97	178.19	523709
NBB0010	FEX100YR1D AY	2.00	2.00	0.0000	142.48	0.00	0
NBB0030	FEX100YR1D AY	5.03	7.97	0.0003	142.48	142.48	557
NBB0050	FEX100YR1D AY	9.15	13.94	-0.0004	250.51	142.48	145218

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBB0070	FEX100YR1D AY	11.30	14.37	-0.0002	114.18	113.06	2549
NBB0090	FEX100YR1D AY	12.67	14.37	-0.0001	137.35	137.27	4467
NBB0110	FEX100YR1D AY	13.46	16.03	0.0001	125.13	125.06	1982
NBB0130	FEX100YR1D AY	15.26	16.97	-0.0001	69.04	57.55	55692
NBB0150	FEX100YR1D AY	14.01	16.37	0.0001	73.23	73.36	1935
NBB0170	FEX100YR1D AY	14.74	16.85	0.0001	73.15	73.23	1452
NBB0190	FEX100YR1D AY	15.42	17.38	0.0001	88.61	73.15	98606
NBB0210	FEX100YR1D AY	15.70	17.38	0.0001	70.47	70.54	1556
NBB0230	FEX100YR1D AY	16.02	17.39	0.0001	70.41	70.47	18758
NBB0250	FEX100YR1D AY	16.31	17.68	0.0001	69.65	69.72	2035
NBB0270	FEX100YR1D AY	17.05	18.14	0.0001	68.52	69.65	44670
NBB0290	FEX100YR1D AY	17.06	18.14	-0.0001	53.38	54.38	1258
NBB0310	FEX100YR1D AY	17.07	18.14	-0.0002	247.36	112.45	628426
NBB0330	FEX100YR1D AY	16.57	17.39	-0.0001	52.58	46.30	49052
NBB0350	FEX100YR1D AY	16.45	17.38	0.0001	28.68	29.51	1397
NBB0370	FEX100YR1D AY	16.33	17.38	-0.0001	101.88	59.62	80882
NBB0390	FEX100YR1D AY	16.32	17.38	-0.0001	21.66	22.32	1832
NBB0410	FEX100YR1D AY	16.30	17.38	-0.0002	79.64	56.35	67719
NBB0430	FEX100YR1D AY	15.45	16.44	-0.0003	170.80	207.02	67696
NBW0010	FEX100YR1D AY	2.00	2.00	0.0000	1080.44	0.00	0
NBW0030	FEX100YR1D AY	3.39	5.13	0.0001	1081.83	1080.44	77838
NBW0050	FEX100YR1D AY	3.92	5.63	0.0000	121.71	114.94	79371
NBW0070	FEX100YR1D AY	3.57	5.45	-0.0004	330.56	519.20	75189
NBW0090	FEX100YR1D	3.66	5.32	0.0000	50.41	54.89	54222

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NBW0130	FEX100YR1D AY	3.73	5.53	0.0000	335.86	336.96	14687
NBW0150	FEX100YR1D AY	3.93	5.36	0.0001	47.53	46.18	23869
NBW0170	FEX100YR1D AY	3.98	5.35	0.0001	47.19	48.94	52595
NBW0190	FEX100YR1D AY	3.89	5.63	-0.0001	335.51	335.86	5986
NBW0210	FEX100YR1D AY	6.25	6.46	0.0000	15.54	15.18	7808
NBW0230	FEX100YR1D AY	4.01	5.91	0.0001	334.31	334.67	8136
NBW0250	FEX100YR1D AY	4.88	6.68	0.0000	332.83	332.96	5687
NBW0270	FEX100YR1D AY	5.49	6.77	0.0001	70.55	61.63	60637
NBW0290	FEX100YR1D AY	5.91	6.77	0.0000	55.52	52.54	61556
NBW0310	FEX100YR1D AY	6.38	7.69	0.0000	36.96	26.60	95246
NBW0330	FEX100YR1D AY	5.50	7.28	0.0000	322.10	322.12	24909
NBW0350	FEX100YR1D AY	4.97	5.91	0.0000	15.74	15.72	16128
NBW0370	FEX100YR1D AY	5.52	7.29	0.0000	11.02	9.44	20924
NBW0390	FEX100YR1D AY	5.52	7.29	0.0001	19.29	8.08	72060
NBW0410	FEX100YR1D AY	5.54	7.42	-0.0001	320.12	320.27	3446
NBW0430	FEX100YR1D AY	5.89	7.86	0.0000	12.66	10.88	58052
NBW0450	FEX100YR1D AY	5.89	7.86	0.0001	320.64	320.12	12762
NBW0470	FEX100YR1D AY	5.89	7.86	0.0000	9.23	7.68	45582
NBW0490	FEX100YR1D AY	5.92	8.00	-0.0001	318.74	318.58	3184
NBW0510	FEX100YR1D AY	6.72	8.00	0.0000	8.57	8.56	30467
NBW0530	FEX100YR1D AY	6.22	8.39	0.0001	318.39	318.30	4802
NBW0550	FEX100YR1D AY	6.72	9.63	0.0000	299.91	293.39	401582
NBW0570	FEX100YR1D AY	7.09	9.60	0.0000	281.83	267.86	161665

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW0590	FEX100YR1D AY	10.03	10.38	0.0002	481.53	480.24	90387
NBW0610	FEX100YR1D AY	6.45	8.62	0.0000	291.07	290.99	10923
NBW0630	FEX100YR1D AY	6.22	8.39	0.0000	19.68	8.34	91047
NBW0650	FEX100YR1D AY	6.66	9.60	-0.0001	300.99	292.54	23491
NBW0670	FEX100YR1D AY	6.66	9.60	0.0000	26.49	6.17	41024
NBW0690	FEX100YR1D AY	6.71	9.62	-0.0001	238.76	237.21	11956
NBW0710	FEX100YR1D AY	6.71	9.62	0.0000	33.80	11.82	104785
NBW0730	FEX100YR1D AY	6.72	9.63	-0.0001	266.06	234.78	292948
NBW0750	FEX100YR1D AY	7.06	9.64	0.0002	322.84	297.86	150408
NBW0770	FEX100YR1D AY	7.06	9.64	-0.0004	49.11	40.06	35510
NBW0790	FEX100YR1D AY	8.11	9.64	0.0000	42.42	42.10	26300
NBW0810	FEX100YR1D AY	7.06	9.64	0.0000	82.06	68.41	76148
NBW0830	FEX100YR1D AY	8.41	9.64	0.0001	65.38	65.04	13705
NBW0850	FEX100YR1D AY	10.17	10.20	-0.0001	65.03	60.28	24179
NBW0870	FEX100YR1D AY	7.06	9.65	0.0000	360.09	316.45	312272
NBW0890	FEX100YR1D AY	7.06	9.64	0.0004	16.45	17.00	1027
NBW0910	FEX100YR1D AY	7.06	9.64	-0.0001	314.26	286.75	182831
NBW0930	FEX100YR1D AY	8.03	9.60	-0.0001	45.81	45.59	1301
NBW0950	FEX100YR1D AY	8.82	9.53	-0.0001	91.72	51.74	199494
NBW0970	FEX100YR1D AY	8.82	9.54	0.0001	41.39	39.38	40685
NBW0990	FEX100YR1D AY	8.82	9.54	-0.0002	15.20	14.73	785
NBW1010	FEX100YR1D AY	8.83	9.54	0.0000	39.30	39.28	2522
NBW1030	FEX100YR1D AY	9.19	11.61	0.0000	101.25	41.86	78013
NBW1050	FEX100YR1D	9.30	11.61	0.0000	16.41	15.77	900

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NBW1070	FEX100YR1D AY	9.34	11.61	0.0000	397.37	397.75	76677
NBW1090	FEX100YR1D AY	3.78	5.61	0.0000	487.95	476.00	22341
NBW1130	FEX100YR1D AY	4.51	5.68	0.0000	296.81	296.40	39611
NBW1150	FEX100YR1D AY	4.53	5.79	0.0000	327.21	325.54	79314
NBW1169	FEX100YR1D AY	4.09	5.74	0.0000	464.19	455.57	25991
NBW1170	FEX100YR1D AY	4.30	5.87	0.0001	458.20	455.14	10448
NBW1190	FEX100YR1D AY	6.13	6.91	-0.0001	95.38	80.75	82182
NBW1210	FEX100YR1D AY	7.17	7.89	-0.0002	392.20	387.61	176403
NBW1230	FEX100YR1D AY	7.17	7.95	-0.0001	404.88	383.88	259317
NBW1250	FEX100YR1D AY	4.74	6.41	-0.0001	417.75	414.54	9387
NBW1270	FEX100YR1D AY	6.14	6.92	-0.0001	45.28	38.53	57175
NBW1310	FEX100YR1D AY	5.21	6.59	0.0002	439.21	411.30	8703
NBW1330	FEX100YR1D AY	7.56	8.97	-0.0021	329.18	374.76	3074
NBW1350	FEX100YR1D AY	10.95	11.76	0.0001	62.50	62.34	17132
NBW1351	FEX100YR1D AY	8.89	11.12	0.0003	319.51	319.06	31897
NBW1352	FEX100YR1D AY	9.96	13.12	0.0006	311.35	311.34	7956
NBW1353	FEX100YR1D AY	11.01	15.07	0.0005	304.52	304.38	8196
NBW1370	FEX100YR1D AY	10.02	11.05	-0.0005	239.20	236.63	47267
NBW1390	FEX100YR1D AY	15.24	15.58	0.0002	411.15	409.36	224496
NBW1410	FEX100YR1D AY	15.58	15.86	0.0002	227.00	226.83	33683
NBW1430	FEX100YR1D AY	15.79	15.97	-0.0002	214.52	214.17	32592
NBW1450	FEX100YR1D AY	16.94	17.23	-0.0003	355.08	353.68	127239
NBW1460	FEX100YR1D AY	16.43	16.78	-0.0002	153.90	154.46	4273

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW1470	FEX100YR1D AY	17.14	17.55	-0.0005	437.25	428.46	265616
NBW1480	FEX100YR1D AY	18.11	18.21	0.0001	21.54	21.42	18466
NBW1490	FEX100YR1D AY	17.86	18.41	-0.0001	265.43	262.02	156605
NBW1510	FEX100YR1D AY	18.12	18.73	-0.0002	161.77	161.90	41338
NBW1530	FEX100YR1D AY	17.92	18.78	0.0001	13.05	12.23	1171
NBW1550	FEX100YR1D AY	17.75	18.87	0.0000	69.57	60.03	59478
NBW1570	FEX100YR1D AY	18.21	18.91	-0.0002	160.32	160.44	2604
NBW1590	FEX100YR1D AY	18.12	18.72	0.0000	78.40	77.14	24288
NBW1610	FEX100YR1D AY	18.13	18.72	0.0000	45.21	37.71	31800
NBW1630	FEX100YR1D AY	18.13	18.47	0.0000	35.46	35.27	1801
NBW1650	FEX100YR1D AY	18.81	19.79	0.0000	22.10	12.46	53983
NBW1670	FEX100YR1D AY	18.89	19.80	0.0000	50.91	42.18	48864
NBW1690	FEX100YR1D AY	19.03	19.80	0.0000	33.39	28.47	33803
NBW1710	FEX100YR1D AY	19.26	19.80	0.0000	1.85	0.92	998
NBW1730	FEX100YR1D AY	18.65	19.66	-0.0002	434.55	429.88	351665
NBW1750	FEX100YR1D AY	18.82	19.76	-0.0001	228.72	220.45	97393
NBW1770	FEX100YR1D AY	18.82	19.80	0.0000	198.49	143.54	205145
NBW1790	FEX100YR1D AY	18.91	19.80	0.0000	45.04	38.15	54197
NBW1820	FEX100YR1D AY	18.72	19.43	0.0000	137.86	131.93	185085
NBW1830	FEX100YR1D AY	18.74	19.66	0.0000	80.56	80.75	95388
NBW1840	FEX100YR1D AY	18.39	19.00	0.0000	174.27	150.84	155287
NBW1850	FEX100YR1D AY	18.74	19.70	-0.0001	219.50	201.93	161299
NBW1860	FEX100YR1D AY	18.39	19.00	-0.0001	21.94	16.16	25240
NBW1870	FEX100YR1D	18.72	19.43	-0.0001	49.52	50.40	41805

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NBW1890	FEX100YR1D AY	19.06	20.05	0.0000	65.32	65.44	2613
NBW1910	FEX100YR1D AY	19.27	20.28	0.0000	84.86	83.12	14350
NBW1930	FEX100YR1D AY	19.27	20.28	0.0000	64.66	64.79	49828
NBW1950	FEX100YR1D AY	18.97	19.70	0.0000	2.40	1.84	450
NBW1970	FEX100YR1D AY	18.96	19.70	0.0000	19.51	17.71	17687
NBW1990	FEX100YR1D AY	19.27	20.08	0.0000	140.95	133.84	161853
NBW2010	FEX100YR1D AY	19.65	20.03	-0.0001	19.65	21.83	12858
NBW2030	FEX100YR1D AY	19.65	20.03	0.0000	44.70	42.63	100644
NBW2050	FEX100YR1D AY	19.26	20.30	0.0000	128.86	114.23	139373
NBW2060	FEX100YR1D AY	0.00	20.30	0.0000	37.47	31.46	75391
NBW2070	FEX100YR1D AY	19.26	20.30	0.0000	166.52	109.05	211112
NBW2090	FEX100YR1D AY	19.10	20.26	0.0000	66.02	65.35	91297
NBW2110	FEX100YR1D AY	18.92	20.27	0.0000	218.46	163.15	250332
NBW2130	FEX100YR1D AY	18.92	20.27	-0.0001	49.98	32.92	40808
NBW2140	FEX100YR1D AY	20.00	20.27	-0.0001	5.36	5.26	607
NBW2145	FEX100YR1D AY	0.00	20.26	-0.0007	31.13	63.74	110433
NBW2150	FEX100YR1D AY	19.26	20.30	0.0000	117.36	102.14	33994
NBW2170	FEX100YR1D AY	19.12	20.30	0.0000	5.39	5.22	798
NBW2190	FEX100YR1D AY	19.10	20.29	0.0000	12.08	6.77	31508
NBW2210	FEX100YR1D AY	19.47	20.30	0.0000	37.90	33.43	53988
NBW2230	FEX100YR1D AY	19.47	20.29	0.0000	95.17	89.22	92410
NBW2250	FEX100YR1D AY	19.51	20.29	0.0000	15.16	14.97	12496
NBW2270	FEX100YR1D AY	19.57	20.29	0.0000	22.43	17.15	45789

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW2290	FEX100YR1D AY	19.65	20.29	0.0000	124.62	113.33	218554
NBW2310	FEX100YR1D AY	19.82	20.18	0.0000	120.26	115.95	161324
NBW2330	FEX100YR1D AY	19.82	20.19	0.0000	46.59	31.56	91738
NBW2350	FEX100YR1D AY	16.05	16.64	0.0001	217.26	216.07	78964
NBW2370	FEX100YR1D AY	16.11	16.66	-0.0001	52.09	48.78	56304
NBW2380	FEX100YR1D AY	12.29	16.66	0.0004	335.97	327.85	97541
NBW2385	FEX100YR1D AY	18.49	18.51	0.0000	7.07	7.05	6894
NBW2387	FEX100YR1D AY	16.11	16.67	0.0000	0.78	0.80	482
NBW2390	FEX100YR1D AY	16.42	18.05	0.0001	167.66	171.64	76027
NBW2410	FEX100YR1D AY	16.59	18.47	-0.0002	291.55	289.31	189512
NBW2430	FEX100YR1D AY	16.23	18.53	0.0001	409.89	409.15	124759
NBW2450	FEX100YR1D AY	16.15	18.62	0.0002	162.29	161.12	4396
NBW2470	FEX100YR1D AY	16.43	18.87	0.0002	424.36	425.31	47393
NBW2490	FEX100YR1D AY	16.90	18.87	-0.0004	89.50	314.37	23754
NBW2510	FEX100YR1D AY	17.74	18.86	0.0001	72.05	71.09	9846
NBW2530	FEX100YR1D AY	17.92	18.78	-0.0001	66.08	66.37	2010
NBW2550	FEX100YR1D AY	17.95	18.76	0.0000	2.42	2.55	450
NBW2570	FEX100YR1D AY	17.96	18.75	0.0000	5.45	3.44	12798
NBW2590	FEX100YR1D AY	18.06	18.75	-0.0001	54.16	54.35	1098
NBW2610	FEX100YR1D AY	17.00	18.98	-0.0007	485.60	483.68	139150
NBW2630	FEX100YR1D AY	17.98	18.99	0.0000	223.04	197.83	43793
NBW2650	FEX100YR1D AY	16.97	18.96	-0.0003	27.74	28.73	47982
NBW2670	FEX100YR1D AY	16.42	18.96	0.0001	57.02	36.16	51910
NBW2680	FEX100YR1D	17.73	18.60	-0.0001	205.57	205.37	27944

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NBW2690	FEX100YR1D AY	15.40	18.39	0.0002	420.41	417.21	120607
NBW2710	FEX100YR1D AY	17.73	18.64	0.0001	4.09	2.58	529
NBW2730	FEX100YR1D AY	18.29	18.75	0.0000	3.67	2.76	6334
NBW2770	FEX100YR1D AY	18.09	18.99	0.0001	13.27	13.29	1310
NBW2775	FEX100YR1D AY	6.59	7.25	0.0000	45.62	45.57	67521
NBW2780	FEX100YR1D AY	18.38	18.96	0.0001	205.58	202.15	206803
NBW2790	FEX100YR1D AY	18.38	19.00	0.0000	317.51	292.13	179997
NBW2810	FEX100YR1D AY	18.39	19.00	-0.0002	116.59	102.44	88947
NBW2830	FEX100YR1D AY	18.40	19.01	0.0000	93.23	63.59	211841
NC01	FEX100YR1D AY	0.00	6.36	0.0001	49.89	49.60	5440
NC01B	FEX100YR1D AY	0.00	5.98	0.0000	38.41	38.37	7455
NC02	FEX100YR1D AY	0.00	9.02	-0.0001	184.52	184.47	12924
NC03	FEX100YR1D AY	0.00	5.03	0.0002	215.59	215.50	16962
NC04	FEX100YR1D AY	0.00	4.15	0.0000	151.30	147.50	64731
NC05	FEX100YR1D AY	0.00	4.13	-0.0001	165.50	163.83	71309
NC06	FEX100YR1D AY	0.00	4.09	0.0000	175.95	175.68	31498
NC07	FEX100YR1D AY	0.00	4.08	-0.0001	160.28	160.36	28845
NC08	FEX100YR1D AY	0.00	4.04	0.0000	184.29	184.12	21138
NCL0010	FEX100YR1D AY	2.00	2.00	0.0000	929.57	0.00	0
NCL0030	FEX100YR1D AY	2.36	3.21	-0.0001	611.47	611.44	6856
NCL0050	FEX100YR1D AY	2.36	3.21	0.0000	0.84	0.60	439
NCL0070	FEX100YR1D AY	5.20	5.88	0.0000	288.03	284.31	89989
NCL0090	FEX100YR1D AY	6.06	6.44	0.0000	102.04	83.98	106395

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL0110	FEX100YR1D AY	3.04	4.07	-0.0009	639.61	639.33	6623
NCL0130	FEX100YR1D AY	4.05	4.22	0.0002	160.81	160.86	565
NCL0150	FEX100YR1D AY	4.95	5.54	-0.0001	162.55	162.62	2802
NCL0170	FEX100YR1D AY	5.08	5.60	0.0000	106.98	107.04	1472
NCL0190	FEX100YR1D AY	5.08	5.62	0.0000	4.55	4.38	438
NCL0210	FEX100YR1D AY	5.85	7.13	-0.0001	112.31	102.58	52890
NCL0230	FEX100YR1D AY	6.60	7.95	-0.0002	79.84	33.19	103791
NCL0250	FEX100YR1D AY	6.60	7.95	-0.0001	3.93	4.13	608
NCL0270	FEX100YR1D AY	6.60	7.95	0.0000	8.19	5.80	4006
NCL0290	FEX100YR1D AY	5.90	7.17	0.0001	65.07	65.72	924
NCL0310	FEX100YR1D AY	6.10	7.37	0.0013	64.69	65.08	1045
NCL0330	FEX100YR1D AY	5.95	7.13	-0.0001	24.16	30.46	16464
NCL0350	FEX100YR1D AY	6.60	7.95	-0.0005	266.36	208.25	131607
NCL0370	FEX100YR1D AY	7.36	8.17	0.0002	247.97	244.81	44903
NCL0390	FEX100YR1D AY	4.02	5.06	-0.0022	461.27	484.55	4339
NCL0410	FEX100YR1D AY	4.09	5.33	-0.0002	9.33	9.30	819
NCL0430	FEX100YR1D AY	4.23	5.65	-0.0001	10.66	10.07	2058
NCL0450	FEX100YR1D AY	4.75	5.74	-0.0022	451.63	451.65	3676
NCL0470	FEX100YR1D AY	5.43	6.34	-0.0010	450.13	450.16	3437
NCL0490	FEX100YR1D AY	6.48	7.21	-0.0010	584.41	586.41	79945
NCL0510	FEX100YR1D AY	6.67	7.55	-0.0002	44.90	42.55	7851
NCL0530	FEX100YR1D AY	8.10	8.70	0.0003	38.53	21.71	1170
NCL0550	FEX100YR1D AY	8.17	8.75	-0.0002	45.17	38.53	81354
NCL0570	FEX100YR1D	8.66	9.16	-0.0001	24.93	21.09	11786

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NCL0590	FEX100YR1D AY	7.00	7.76	0.0011	490.13	490.72	19131
NCL0610	FEX100YR1D AY	7.52	8.31	0.0015	475.63	475.88	4853
NCL0630	FEX100YR1D AY	8.06	9.08	-0.0004	472.44	472.55	8202
NCL0650	FEX100YR1D AY	8.12	9.15	-0.0005	57.19	102.61	1613
NCL0670	FEX100YR1D AY	8.67	9.91	0.0004	116.85	57.19	1693
NCL0690	FEX100YR1D AY	8.76	9.95	0.0004	24.46	35.15	605
NCL0710	FEX100YR1D AY	8.95	10.03	-0.0002	25.22	24.13	601
NCL0730	FEX100YR1D AY	9.26	10.20	-0.0001	26.56	25.22	554
NCL0750	FEX100YR1D AY	9.56	10.31	0.0000	249.75	230.08	98014
NCL0770	FEX100YR1D AY	10.12	10.55	0.0001	117.72	117.65	2178
NCL0790	FEX100YR1D AY	8.69	9.97	-0.0003	49.99	101.59	895
NCL0810	FEX100YR1D AY	8.84	10.39	0.0000	55.76	49.99	50093
NCL0830	FEX100YR1D AY	8.93	10.39	0.0009	398.51	399.43	59459
NCL0850	FEX100YR1D AY	9.01	10.40	-0.0001	117.44	103.81	39981
NCL0870	FEX100YR1D AY	9.37	10.57	0.0001	131.23	130.86	2022
NCL0890	FEX100YR1D AY	9.65	10.67	-0.0002	118.49	118.30	1586
NCL0910	FEX100YR1D AY	9.71	10.54	0.0000	27.93	27.61	21600
NCL0930	FEX100YR1D AY	9.57	11.16	-0.0001	191.22	188.14	18707
NCL0950	FEX100YR1D AY	9.89	11.34	-0.0001	173.38	170.78	18773
NCL0970	FEX100YR1D AY	10.41	11.80	0.0001	46.02	44.96	2256
NCL0990	FEX100YR1D AY	11.00	11.91	0.0001	67.47	66.15	13239
NCL1010	FEX100YR1D AY	11.14	12.51	0.0001	14.43	14.19	904
NCL1030	FEX100YR1D AY	9.67	10.60	-0.0002	25.09	29.84	2212

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL1050	FEX100YR1D AY	10.46	10.62	0.0000	11.61	10.08	6738
NCL1070	FEX100YR1D AY	9.30	11.67	0.0000	4.29	4.32	612
NCL1090	FEX100YR1D AY	9.76	11.71	0.0000	26.02	6.68	32592
NCL1110	FEX100YR1D AY	9.85	11.39	0.0000	19.85	19.46	36220
NCL1130	FEX100YR1D AY	9.76	11.71	0.0000	45.91	19.32	127027
NCL1150	FEX100YR1D AY	9.76	11.71	0.0001	793.80	782.49	304500
NCL1170	FEX100YR1D AY	10.59	12.79	-0.0009	464.37	395.78	162938
NCL1190	FEX100YR1D AY	10.72	13.34	-0.0001	109.25	109.30	1850
NCL1210	FEX100YR1D AY	10.63	12.81	-0.0001	58.95	28.65	59164
NCL1230	FEX100YR1D AY	10.94	14.06	-0.0001	109.21	109.25	1432
NCL1250	FEX100YR1D AY	11.11	14.49	-0.0002	109.18	109.21	1231
NCL1270	FEX100YR1D AY	11.34	14.99	-0.0001	289.24	187.55	239703
NCL1290	FEX100YR1D AY	13.06	15.01	0.0001	262.00	244.71	78618
NCL1310	FEX100YR1D AY	14.77	16.00	0.0001	258.84	256.57	67027
NCL1330	FEX100YR1D AY	10.60	12.79	-0.0001	449.45	439.41	95321
NCL1350	FEX100YR1D AY	10.63	12.81	0.0001	422.06	413.30	72627
NCL1370	FEX100YR1D AY	10.63	12.84	-0.0001	266.09	263.52	21504
NCL1390	FEX100YR1D AY	10.63	14.98	0.0000	81.47	68.95	37621
NCL1410	FEX100YR1D AY	10.63	14.99	-0.0002	82.39	80.75	10467
NCL1430	FEX100YR1D AY	10.70	12.82	-0.0006	630.14	480.82	272862
NCL1450	FEX100YR1D AY	10.93	13.29	0.0016	498.66	498.15	3036
NCL1470	FEX100YR1D AY	12.72	14.77	0.0001	349.08	348.23	4445
NCL1490	FEX100YR1D AY	14.45	14.94	0.0000	9.03	9.12	783
NCL1510	FEX100YR1D	11.06	13.28	0.0027	67.93	72.39	19445

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NCL1530	FEX100YR1D AY	12.54	13.27	-0.0001	112.78	111.93	22867
NCL1550	FEX100YR1D AY	13.13	13.58	-0.0001	42.58	41.44	1021
NCL1570	FEX100YR1D AY	13.31	14.26	0.0001	7.31	7.23	504
NCL1590	FEX100YR1D AY	13.70	14.28	0.0000	3.61	3.11	1307
NCL1610	FEX100YR1D AY	13.37	14.50	0.0001	4.76	4.44	468
NCL1630	FEX100YR1D AY	13.57	13.80	0.0003	98.30	98.25	2982
NCL1650	FEX100YR1D AY	13.68	14.07	0.0002	105.22	105.19	2238
NCL1670	FEX100YR1D AY	14.02	15.18	0.0001	228.49	228.45	17318
NCL1690	FEX100YR1D AY	17.47	18.00	0.0001	72.50	72.38	7472
NCL1710	FEX100YR1D AY	17.89	18.24	0.0001	64.74	64.78	3578
NCL1730	FEX100YR1D AY	18.27	19.50	0.0007	270.89	270.38	50520
NCL1750	FEX100YR1D AY	18.24	19.36	-0.0006	33.04	33.06	513
NCL1770	FEX100YR1D AY	18.07	18.34	0.0001	60.71	60.67	3363
NCL1790	FEX100YR1D AY	15.78	16.81	0.0001	341.27	340.55	5863
NCL1810	FEX100YR1D AY	18.13	18.53	0.0001	94.55	86.40	59256
NCL1830	FEX100YR1D AY	18.39	18.87	-0.0001	322.07	321.87	6250
NCL1850	FEX100YR1D AY	18.50	19.01	-0.0004	63.56	79.05	909
NCL1870	FEX100YR1D AY	19.01	19.68	0.0001	63.44	63.56	996
NCL1890	FEX100YR1D AY	19.15	19.85	0.0003	67.49	66.30	985
NCL1910	FEX100YR1D AY	19.15	19.86	0.0001	4.50	1.13	527
NCL1930	FEX100YR1D AY	19.91	20.03	0.0000	7.78	7.67	1631
NCL1950	FEX100YR1D AY	19.15	19.86	0.0000	1.01	0.15	502
NCL1970	FEX100YR1D AY	21.67	21.69	0.0000	4.29	4.27	3382

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL1990	FEX100YR1D AY	19.58	20.41	-0.0002	69.54	67.49	915
NCL2010	FEX100YR1D AY	19.74	20.45	0.0001	37.15	33.90	1104
NCL2030	FEX100YR1D AY	19.76	20.02	0.0001	30.93	26.55	44903
NCL2050	FEX100YR1D AY	19.76	20.49	0.0001	38.70	34.93	1411
NCL2070	FEX100YR1D AY	19.76	20.03	-0.0001	7.46	8.59	1202
NCL2090	FEX100YR1D AY	19.87	20.88	0.0002	42.79	38.70	1414
NCL2110	FEX100YR1D AY	20.03	20.92	-0.0003	47.92	43.11	48944
NCL2130	FEX100YR1D AY	19.87	20.94	0.0001	168.82	180.36	146007
NCL2150	FEX100YR1D AY	20.75	21.64	-0.0003	176.36	158.72	276086
NCL2170	FEX100YR1D AY	19.85	20.92	0.0002	286.31	283.24	116300
NCL2230	FEX100YR1D AY	19.13	19.99	0.0001	323.76	321.07	68056
NCL2250	FEX100YR1D AY	19.55	20.49	0.0002	265.34	250.29	4443
NCL2270	FEX100YR1D AY	20.05	21.07	0.0001	371.79	370.64	72490
NCL2290	FEX100YR1D AY	19.88	20.92	0.0001	18.26	15.53	25275
NCL2310	FEX100YR1D AY	20.45	21.30	0.0001	94.55	94.17	1779
NCL2330	FEX100YR1D AY	20.74	21.47	0.0001	211.78	200.39	141628
NCL2350	FEX100YR1D AY	20.78	21.50	0.0001	90.43	89.17	16950
NCL2370	FEX100YR1D AY	20.81	21.50	0.0001	88.42	87.80	2298
NCL2390	FEX100YR1D AY	20.84	21.53	0.0000	217.39	177.65	236667
NCL2410	FEX100YR1D AY	21.07	21.55	0.0000	31.08	30.71	1380
NCL2430	FEX100YR1D AY	21.32	21.68	0.0000	29.50	29.25	1472
NCL2450	FEX100YR1D AY	21.25	21.63	0.0000	6.64	6.48	493
NCL2470	FEX100YR1D AY	20.93	21.53	0.0000	30.65	30.30	846
NCL2490	FEX100YR1D	21.54	21.69	0.0000	26.04	25.86	2460

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NCL2510	FEX100YR1D AY	21.70	21.63	0.0000	226.40	226.86	139622
NCL2530	FEX100YR1D AY	21.70	21.62	0.0000	100.53	102.27	65112
NCL2540	FEX100YR1D AY	0.00	22.32	0.0000	139.90	137.37	62507
NCL2550	FEX100YR1D AY	21.70	21.62	0.0000	111.11	111.60	24320
NCL2570	FEX100YR1D AY	21.51	21.57	0.0001	13.18	13.03	1503
NCL2580	FEX100YR1D AY	0.00	21.55	-0.0001	199.97	199.08	46102
NCL2590	FEX100YR1D AY	21.17	21.55	0.0000	344.20	339.21	183318
NCL2610	FEX100YR1D AY	21.14	21.54	0.0000	236.87	236.64	37864
NCL2630	FEX100YR1D AY	20.86	21.13	-0.0001	135.40	129.71	60073
NCL2631	FEX100YR1D AY	0.00	21.01	0.0000	118.57	109.61	52357
NCL2650	FEX100YR1D AY	21.17	21.71	0.0000	134.36	114.07	171129
NCL2670	FEX100YR1D AY	21.93	22.34	-0.0004	143.40	168.77	82471
NCL2690	FEX100YR1D AY	21.96	22.59	0.0000	99.30	104.26	68125
NCL2710	FEX100YR1D AY	21.96	22.71	0.0000	88.71	78.20	91489
NCL2730	FEX100YR1D AY	21.95	22.83	0.0000	54.98	53.53	34951
NCL2750	FEX100YR1D AY	21.84	23.19	0.0000	174.50	173.41	54762
NCL2770	FEX100YR1D AY	21.71	22.52	0.0000	43.97	43.98	1389
NCL2780	FEX100YR1D AY	0.00	22.46	0.0000	46.57	46.83	34125
NCL2790	FEX100YR1D AY	21.84	22.46	0.0000	254.98	239.08	172626
NCL2810	FEX100YR1D AY	22.11	22.94	0.0001	170.69	169.82	34228
NCL2830	FEX100YR1D AY	23.09	23.27	-0.0002	37.33	36.21	18154
NCL2835	FEX100YR1D AY	0.00	23.94	0.0000	7.94	7.96	1074
NCL2840	FEX100YR1D AY	0.00	23.86	0.0000	169.93	169.64	30289

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL2845	FEX100YR1D AY	0.00	24.39	-0.0001	95.39	95.14	20186
NCL2850	FEX100YR1D AY	20.82	21.50	0.0000	15.92	16.07	6860
NCL2870	FEX100YR1D AY	20.83	21.39	0.0001	15.05	15.20	1246
NCL2890	FEX100YR1D AY	20.83	21.29	-0.0002	18.77	17.49	28485
NCL2910	FEX100YR1D AY	20.83	21.29	0.0001	133.75	133.19	48092
NCL2930	FEX100YR1D AY	19.55	20.52	-0.0004	311.41	314.16	41391
NCL2950	FEX100YR1D AY	19.53	20.51	0.0001	195.54	195.65	44565
NCL2970	FEX100YR1D AY	20.49	20.81	0.0002	95.71	92.80	31210
NCL2990	FEX100YR1D AY	19.33	20.30	0.0001	192.30	192.37	12754
NCL3010	FEX100YR1D AY	19.35	20.30	0.0001	207.70	189.80	327511
NCL3030	FEX100YR1D AY	19.58	20.34	0.0001	187.42	187.51	131319
NCL3050	FEX100YR1D AY	19.94	20.40	0.0001	125.69	115.05	74832
NCL3070	FEX100YR1D AY	20.14	20.44	0.0001	70.72	62.76	43908
NCL3090	FEX100YR1D AY	19.59	20.32	0.0001	182.17	182.24	124719
NCL3110	FEX100YR1D AY	19.59	20.32	0.0003	121.27	85.94	155636
NCL3130	FEX100YR1D AY	19.59	20.32	0.0001	45.58	21.34	81686
NCL3150	FEX100YR1D AY	19.54	20.30	0.0001	200.07	185.01	88351
NCL3170	FEX100YR1D AY	19.71	20.49	0.0001	161.33	160.54	55226
NCL3190	FEX100YR1D AY	20.31	20.81	0.0001	183.39	170.17	167634
NCL3210	FEX100YR1D AY	20.32	20.82	0.0002	141.08	133.60	84573
NCL3230	FEX100YR1D AY	20.32	20.83	0.0002	115.76	113.09	39059
NCL3250	FEX100YR1D AY	19.11	20.27	0.0001	209.42	181.64	226874
NCL3270	FEX100YR1D AY	19.11	20.27	0.0001	38.59	34.87	24315
NCL3280	FEX100YR1D	0.00	20.27	0.0001	60.74	57.39	29470

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NCL3290	FEX100YR1D AY	20.16	20.69	0.0001	60.60	58.64	37575
NCL3300	FEX100YR1D AY	0.00	20.27	0.0001	22.92	22.91	14674
NCL3310	FEX100YR1D AY	20.19	20.88	0.0001	3.15	2.87	755
NCL3330	FEX100YR1D AY	20.75	20.90	0.0000	8.09	7.50	437
NCL3350	FEX100YR1D AY	20.51	20.86	0.0001	68.05	64.44	58680
NCL3360	FEX100YR1D AY	0.00	20.86	0.0000	23.22	20.84	26769
NCL3365	FEX100YR1D AY	0.00	20.49	0.0001	68.33	67.57	37145
NCL3370	FEX100YR1D AY	20.64	21.26	0.0001	224.09	221.57	115381
NCL3390	FEX100YR1D AY	20.83	21.29	0.0000	227.64	227.01	44731
NCL3410	FEX100YR1D AY	20.83	21.29	0.0000	2.41	1.80	475
NCL3430	FEX100YR1D AY	20.83	21.29	0.0000	5.96	1.48	6406
NCL3450	FEX100YR1D AY	18.92	20.27	0.0007	481.51	264.69	259379
NCL3460	FEX100YR1D AY	18.92	20.27	-0.0008	127.11	127.20	2956
NCL3470	FEX100YR1D AY	19.11	20.27	0.0001	755.75	397.19	390517
NCL3490	FEX100YR1D AY	19.15	20.27	-0.0002	211.26	540.56	90690
NCL3510	FEX100YR1D AY	20.64	20.28	0.0001	188.43	190.04	40129
NCL3520	FEX100YR1D AY	0.00	20.28	-0.0001	471.88	464.28	124709
NCL3530	FEX100YR1D AY	20.66	21.02	0.0001	255.87	254.07	79909
NCL3550	FEX100YR1D AY	20.66	21.04	0.0001	5.08	2.40	736
NCL3570	FEX100YR1D AY	20.66	21.06	0.0001	2.82	1.44	624
NCL3590	FEX100YR1D AY	20.66	21.06	0.0000	4.90	2.35	8213
NCL3610	FEX100YR1D AY	20.66	21.02	-0.0001	20.22	19.06	1245
NCL3630	FEX100YR1D AY	20.64	21.01	0.0001	416.75	413.09	134784

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL3635	FEX100YR1D AY	0.00	21.01	0.0000	15.77	14.36	1726
NCL3640	FEX100YR1D AY	0.00	21.01	0.0001	56.56	51.67	65199
NCL3650	FEX100YR1D AY	18.92	20.27	0.0001	4.92	3.66	502
NCL3670	FEX100YR1D AY	18.92	20.27	0.0000	139.04	116.83	108900
NCL3690	FEX100YR1D AY	18.92	20.27	-0.0003	182.96	179.77	3204
NCL3730	FEX100YR1D AY	18.92	20.27	0.0000	453.49	98.20	151611
NCL3740	FEX100YR1D AY	0.00	20.27	0.0001	269.86	116.55	43386
NCL3750	FEX100YR1D AY	18.93	19.74	0.0001	280.54	259.03	304476
NCL3770	FEX100YR1D AY	18.93	19.74	0.0001	80.12	19.09	115479
NCL4000	FEX100YR1D AY	0.00	29.91	0.0000	87.46	87.41	9334
NCL4010	FEX100YR1D AY	0.00	29.67	0.0000	77.71	77.38	15901
NCypEast	FEX100YR1D AY	32.00	29.00	0.0000	19.05	0.00	0
NCypWest	FEX100YR1D AY	32.00	29.93	0.0000	0.00	0.00	0
NOC0010	FEX100YR1D AY	2.00	2.00	0.0000	597.89	63.78	0
NOC0030	FEX100YR1D AY	1.14	2.51	0.0220	597.94	597.89	1916
NOC0050	FEX100YR1D AY	1.20	2.80	0.0231	513.26	513.45	3069
NOC0070	FEX100YR1D AY	1.45	3.84	0.0229	496.11	496.26	8938
NOC0090	FEX100YR1D AY	2.91	3.97	0.0055	127.69	127.78	446
NOC0110	FEX100YR1D AY	1.65	3.93	0.0179	296.69	296.84	455
NOC0130	FEX100YR1D AY	3.06	4.74	0.0054	296.63	296.69	528
NOC0150	FEX100YR1D AY	3.08	4.76	0.0000	4.44	4.22	500
NOC0170	FEX100YR1D AY	4.56	4.94	0.0000	25.08	25.06	1913
NOC0190	FEX100YR1D AY	5.09	6.05	-0.0010	299.82	300.08	2803
NOC0210	FEX100YR1D	5.68	6.17	-0.0001	49.83	48.69	9978

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NOC0230	FEX100YR1D AY	5.12	6.12	-0.0001	10.98	10.64	742
NOC0250	FEX100YR1D AY	5.30	6.63	-0.0001	11.50	10.98	1988
NOC0270	FEX100YR1D AY	5.57	7.23	0.0000	9.11	5.32	13313
NOC0290	FEX100YR1D AY	5.11	6.26	0.0003	402.53	402.56	1836
NOC0310	FEX100YR1D AY	5.27	6.72	-0.0002	100.24	84.38	60440
NOC0330	FEX100YR1D AY	5.85	7.13	-0.0001	409.92	411.43	225036
NOC0350	FEX100YR1D AY	5.89	7.21	-0.0001	394.25	360.46	226035
NOC0370	FEX100YR1D AY	6.47	7.50	-0.0001	312.59	310.54	97278
NOC0390	FEX100YR1D AY	6.60	7.95	-0.0001	137.79	117.72	69505
NOC0410	FEX100YR1D AY	6.95	7.94	0.0001	65.52	41.98	96578
NOC0430	FEX100YR1D AY	7.01	7.57	0.0001	70.31	67.30	41530
NOC0450	FEX100YR1D AY	7.62	7.76	0.0001	46.49	45.45	25367
NOC0470	FEX100YR1D AY	8.12	8.30	0.0001	32.10	30.33	29957
NOC0490	FEX100YR1D AY	7.67	7.79	0.0001	7.28	6.95	1051
NRU0010	FEX100YR1D AY	2.00	2.00	0.0000	697.43	0.00	0
NRU0030	FEX100YR1D AY	2.84	3.70	0.0005	438.14	393.63	2468
NRU0050	FEX100YR1D AY	4.36	6.01	-0.0020	393.64	438.14	2036
NRU0070	FEX100YR1D AY	5.61	7.90	-0.0009	422.11	393.64	50880
NRU0090	FEX100YR1D AY	5.66	7.90	0.0002	141.61	92.28	52725
NRU0110	FEX100YR1D AY	6.23	7.94	-0.0001	333.94	302.85	39157
NRU0130	FEX100YR1D AY	7.66	9.62	-0.0003	280.15	279.62	2616
NRU0150	FEX100YR1D AY	7.71	9.68	0.0005	257.27	257.41	1426
NRU0160	FEX100YR1D AY	0.00	15.20	-0.0001	195.66	195.55	4959

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0165	FEX100YR1D AY	0.00	16.23	0.0000	9.39	8.67	8931
NRU0170	FEX100YR1D AY	14.45	17.87	0.0006	267.91	202.89	133798
NRU0172	FEX100YR1D AY	0.00	17.87	0.0000	9.31	10.24	830
NRU0174	FEX100YR1D AY	0.00	17.88	-0.0001	17.92	9.31	10645
NRU0176	FEX100YR1D AY	0.00	16.33	0.0000	11.71	11.71	761
NRU0178	FEX100YR1D AY	0.00	17.53	0.0000	6.17	6.20	956
NRU0180	FEX100YR1D AY	0.00	17.89	0.0000	281.88	214.73	265543
NRU0190	FEX100YR1D AY	14.45	17.87	-0.0004	19.94	17.40	29662
NRU0210	FEX100YR1D AY	14.45	17.63	0.0001	26.67	19.93	23126
NRU0230	FEX100YR1D AY	13.39	15.25	0.0001	40.75	40.03	24487
NRU0250	FEX100YR1D AY	14.62	17.87	0.0001	881.58	242.91	84841
NRU0270	FEX100YR1D AY	15.05	17.88	-0.0002	189.45	207.77	24514
NRU0290	FEX100YR1D AY	16.30	19.20	-0.0002	110.27	94.12	117469
NRU0310	FEX100YR1D AY	16.13	18.08	0.0000	98.14	98.31	9189
NRU0330	FEX100YR1D AY	18.25	18.74	0.0000	26.34	25.12	1352
NRU0335	FEX100YR1D AY	0.00	19.52	0.0001	14.51	12.93	20301
NRU0340	FEX100YR1D AY	0.00	19.22	0.0000	117.49	102.67	93773
NRU0343	FEX100YR1D AY	0.00	19.78	0.0000	8.40	8.34	903
NRU0345	FEX100YR1D AY	0.00	19.99	0.0000	108.97	98.93	112608
NRU0350	FEX100YR1D AY	19.50	19.79	0.0000	30.03	21.80	56018
NRU0370	FEX100YR1D AY	19.51	19.79	0.0000	19.86	16.41	31560
NRU0380	FEX100YR1D AY	23.33	20.05	-0.0001	11.22	11.19	470
NRU0390	FEX100YR1D AY	27.00	20.07	0.0000	31.64	11.22	39915
NRU0410	FEX100YR1D	19.56	19.88	0.0000	9.01	9.19	1100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NRU0425	FEX100YR1D AY	15.53	16.89	0.0001	7.68	2.80	4982
NRU0430	FEX100YR1D AY	19.61	19.95	0.0000	8.83	9.01	1077
NRU0450	FEX100YR1D AY	19.66	20.04	0.0000	8.66	8.83	1038
NRU0470	FEX100YR1D AY	19.72	20.45	0.0000	8.51	8.66	799
NRU0490	FEX100YR1D AY	20.36	20.78	0.0001	18.17	17.58	51957
NRU0495	FEX100YR1D AY	0.00	21.24	-0.0001	16.92	16.29	19795
NRU0500	FEX100YR1D AY	0.00	21.31	0.0000	4.58	4.20	9589
NRU0510	FEX100YR1D AY	19.67	20.44	0.0000	50.99	37.53	122335
NRU0530	FEX100YR1D AY	16.95	18.41	0.0000	72.66	72.79	2252
NRU0550	FEX100YR1D AY	17.92	18.78	0.0000	180.34	169.56	100801
NRU0570	FEX100YR1D AY	18.16	19.23	0.0000	134.26	133.01	23824
NRU0590	FEX100YR1D AY	18.51	19.79	0.0000	86.94	86.50	39100
NRU0610	FEX100YR1D AY	18.78	20.01	0.0000	86.95	83.73	102608
NRU0612	FEX100YR1D AY	0.00	20.03	0.0000	61.00	61.06	74976
NRU0615	FEX100YR1D AY	0.00	20.12	0.0000	9.00	8.03	1921
NRU0616	FEX100YR1D AY	0.00	20.45	0.0000	11.28	8.36	28577
NRU0618	FEX100YR1D AY	0.00	20.81	0.0000	23.78	19.74	33923
NRU0620	FEX100YR1D AY	0.00	20.22	0.0000	47.25	42.29	37628
NRU0630	FEX100YR1D AY	18.79	20.19	0.0000	59.22	59.28	66599
NRU0650	FEX100YR1D AY	18.79	20.21	0.0000	98.37	88.10	90453
NRU0670	FEX100YR1D AY	18.78	20.22	0.0001	59.43	59.30	1429
NRU0690	FEX100YR1D AY	18.84	20.25	0.0000	110.46	100.28	94999
NRU0710	FEX100YR1D AY	18.86	20.25	0.0000	187.19	171.84	90489

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0730	FEX100YR1D AY	18.85	20.25	0.0000	71.41	55.23	135047
NRU0740	FEX100YR1D AY	0.00	20.26	0.0000	181.74	155.11	53029
NRU0745	FEX100YR1D AY	0.00	20.26	0.0000	167.33	134.78	74831
NRU0750	FEX100YR1D AY	18.87	20.26	0.0000	202.25	52.10	341867
NRU0770	FEX100YR1D AY	18.88	20.26	0.0001	29.58	30.00	1008
NRU0785	FEX100YR1D AY	0.00	20.26	0.0000	141.95	126.45	90975
NRU0790	FEX100YR1D AY	18.88	20.26	0.0002	466.24	191.60	202390
NRU0810	FEX100YR1D AY	18.88	20.26	-0.0001	57.21	53.86	10755
NRU0820	FEX100YR1D AY	0.00	20.25	0.0001	5.74	3.04	442
NRU0830	FEX100YR1D AY	18.99	20.27	-0.0006	112.44	451.39	67904
NRU0850	FEX100YR1D AY	19.11	20.27	-0.0002	70.76	70.47	1188
NRU0870	FEX100YR1D AY	19.32	20.27	-0.0007	18.03	17.57	560
NRU0890	FEX100YR1D AY	19.35	20.27	0.0000	112.39	19.94	90674
NRU0910	FEX100YR1D AY	19.35	20.28	0.0003	3.73	3.25	568
NRU0930	FEX100YR1D AY	19.35	20.28	0.0000	3.92	3.73	2178
NRU0950	FEX100YR1D AY	19.11	20.27	-0.0001	128.49	112.33	45952
NRU0955	FEX100YR1D AY	0.00	20.27	0.0000	167.38	124.33	74309
NRU0960	FEX100YR1D AY	0.00	20.27	0.0000	229.30	207.10	49287
NRU0965	FEX100YR1D AY	0.00	20.27	0.0000	273.66	235.38	166476
NRU0970	FEX100YR1D AY	19.34	20.27	0.0000	137.57	78.66	102528
NRU0980	FEX100YR1D AY	0.00	20.27	-0.0009	13.78	8.43	1097
NRU0990	FEX100YR1D AY	19.39	20.27	0.0005	31.45	37.49	440
NRU1010	FEX100YR1D AY	19.70	20.27	0.0001	46.99	32.00	50179
NRU1015	FEX100YR1D	0.00	20.77	-0.0001	27.17	12.46	61914

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NRU1020	FEX100YR1D AY	0.00	21.94	-0.0060	16.90	91.99	866
NRU1025	FEX100YR1D AY	0.00	21.40	-0.0001	12.35	12.20	724
NRU1030	FEX100YR1D AY	19.70	20.27	0.0001	177.13	118.85	168800
NRU1035	FEX100YR1D AY	0.00	20.29	-0.0007	7.91	56.00	436
NRU1037	FEX100YR1D AY	0.00	20.29	0.0000	6.06	5.53	643
NRU1040	FEX100YR1D AY	0.00	20.27	0.0001	118.70	84.18	108692
NRU1045	FEX100YR1D AY	0.00	22.02	0.0001	25.97	12.06	44291
NRU1046	FEX100YR1D AY	0.00	21.99	0.0060	12.06	10.72	935
NRU1050	FEX100YR1D AY	19.70	20.28	0.0000	199.56	140.19	211289
NRU1070	FEX100YR1D AY	19.83	20.27	0.0000	77.86	70.55	61979
NRU1090	FEX100YR1D AY	18.86	20.26	0.0000	12.34	13.20	919
NRU1110	FEX100YR1D AY	18.86	20.26	0.0001	74.40	40.78	96102
NRU1130	FEX100YR1D AY	18.86	20.26	-0.0002	6.50	6.39	769
NRU1150	FEX100YR1D AY	18.86	20.26	0.0001	91.91	57.72	152417
NRU1170	FEX100YR1D AY	18.86	20.26	-0.0001	71.21	64.00	202489
NRU1182	FEX100YR1D AY	0.00	20.25	0.0000	29.70	10.17	34643
NRU1184	FEX100YR1D AY	0.00	20.23	0.0000	16.83	16.63	872
NRU1185	FEX100YR1D AY	0.00	20.22	0.0000	43.58	31.60	109900
NRU1186	FEX100YR1D AY	0.00	20.23	0.0000	4.76	4.63	786
NRU1188	FEX100YR1D AY	0.00	20.22	0.0000	43.40	7.10	78171
NRU1190	FEX100YR1D AY	18.86	20.25	0.0001	2.91	2.84	576
NRU1210	FEX100YR1D AY	18.86	20.25	0.0000	7.07	6.93	892
NRU1220	FEX100YR1D AY	0.00	20.52	0.0000	31.44	27.26	43712

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1225	FEX100YR1D AY	0.00	23.04	0.0000	8.41	8.08	8973
NRU1230	FEX100YR1D AY	18.88	20.26	-0.0001	10.76	10.45	873
NRU1232	FEX100YR1D AY	0.00	20.25	-0.0001	8.31	8.02	861
NRU1234	FEX100YR1D AY	0.00	20.25	0.0000	92.77	91.57	13383
NRU1240	FEX100YR1D AY	0.00	20.26	0.0000	52.43	47.96	39728
NRU1250	FEX100YR1D AY	4.07	4.88	-0.0004	303.58	304.37	2104
NRU1270	FEX100YR1D AY	4.78	5.64	0.0002	297.95	297.97	1667
NRU1290	FEX100YR1D AY	5.41	6.41	0.0001	281.55	281.63	3103
NRU1310	FEX100YR1D AY	6.42	7.60	0.0001	281.46	281.55	5051
NRU1330	FEX100YR1D AY	8.29	9.96	0.0001	350.22	349.95	3357
NRU1350	FEX100YR1D AY	9.32	11.34	0.0001	343.83	341.40	8087
NRU1370	FEX100YR1D AY	11.03	13.77	0.0001	348.40	334.49	26261
NRU1390	FEX100YR1D AY	11.84	13.80	0.0001	105.10	71.06	64293
NRU1410	FEX100YR1D AY	12.56	14.89	0.0002	273.55	273.60	7219
NRU1430	FEX100YR1D AY	15.53	16.89	0.0001	91.59	41.09	129424
NRU1450	FEX100YR1D AY	15.94	16.40	0.0001	64.19	63.67	13940
NRU1470	FEX100YR1D AY	15.97	16.45	0.0001	6.65	6.69	980
NRU1490	FEX100YR1D AY	16.09	16.65	0.0001	15.18	12.30	24399
NRU1510	FEX100YR1D AY	15.12	17.88	0.0001	238.75	235.17	183628
NRU1530	FEX100YR1D AY	15.71	17.89	-0.0001	93.38	99.89	53511
NRU1550	FEX100YR1D AY	15.40	17.89	0.0000	104.70	108.88	48637
NRU1570	FEX100YR1D AY	16.20	18.17	0.0000	58.27	50.73	42352
NRU1590	FEX100YR1D AY	16.40	18.17	0.0000	13.50	8.40	19358
NRU1610	FEX100YR1D	16.56	18.38	0.0000	55.72	43.71	54973

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NRU1630	FEX100YR1D AY	16.69	18.38	-0.0002	37.43	37.50	1538
NRU1650	FEX100YR1D AY	16.84	18.38	0.0000	49.01	37.43	53751
NRU1670	FEX100YR1D AY	16.89	18.39	0.0000	125.05	35.99	233791
NRU1690	FEX100YR1D AY	16.89	18.27	0.0000	62.02	60.78	38825
NRU1710	FEX100YR1D AY	16.60	18.29	0.0001	34.47	34.20	1426
NRU1730	FEX100YR1D AY	16.58	18.37	0.0000	106.18	25.82	195532
NRU1750	FEX100YR1D AY	16.58	18.37	-0.0001	14.82	16.87	720
NRU1770	FEX100YR1D AY	16.58	18.37	-0.0001	45.56	42.97	15134
NRU1790	FEX100YR1D AY	17.21	18.43	0.0000	27.13	24.50	40938
NRU1810	FEX100YR1D AY	16.58	18.37	0.0000	15.32	8.34	40796
NRU1830	FEX100YR1D AY	17.12	18.62	0.0000	46.72	29.63	66476
NRU1850	FEX100YR1D AY	17.07	18.32	-0.0001	25.08	25.05	1054
NRU1870	FEX100YR1D AY	17.20	18.43	-0.0001	25.11	25.08	907
NRU1890	FEX100YR1D AY	17.38	18.63	0.0000	70.03	25.11	129042
NRU1910	FEX100YR1D AY	17.71	18.63	0.0000	34.02	22.87	51880
NRU1930	FEX100YR1D AY	15.71	17.89	0.0000	68.83	83.09	171329
NRU1950	FEX100YR1D AY	16.43	18.04	0.0000	49.72	50.03	1646
NRU1970	FEX100YR1D AY	16.86	18.13	0.0001	49.47	49.72	1037
NRU1990	FEX100YR1D AY	17.09	18.18	-0.0001	50.06	50.08	7362
NRU2010	FEX100YR1D AY	18.02	18.73	0.0001	12.59	10.81	8412
NRU2030	FEX100YR1D AY	18.39	18.73	-0.0001	20.49	19.31	44075
NRU2050	FEX100YR1D AY	18.40	18.80	0.0001	4.79	3.17	453
NRU2070	FEX100YR1D AY	18.41	18.81	0.0000	8.83	4.79	20100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU2090	FEX100YR1D AY	17.16	18.25	-0.0001	43.93	44.23	15781
NRU2110	FEX100YR1D AY	17.28	18.35	0.0000	41.85	42.16	19348
NRU2130	FEX100YR1D AY	17.49	18.42	-0.0002	41.09	41.40	12518
NRU2150	FEX100YR1D AY	17.69	18.64	0.0001	13.40	6.34	64294
NRU2170	FEX100YR1D AY	17.07	18.53	0.0001	3.87	3.95	771
NRU2190	FEX100YR1D AY	17.08	18.53	0.0000	19.41	3.87	65743
NRU2210	FEX100YR1D AY	17.33	18.41	0.0001	8.77	8.81	540
NRU2230	FEX100YR1D AY	17.33	18.40	0.0000	71.86	18.29	157919
NRU2250	FEX100YR1D AY	17.31	18.40	0.0001	17.29	9.41	46865
NRU2270	FEX100YR1D AY	17.61	18.44	0.0001	32.52	30.44	17767
NRU2290	FEX100YR1D AY	17.67	18.45	-0.0001	25.75	26.01	7825
NRU2310	FEX100YR1D AY	17.68	18.44	0.0001	23.83	24.26	16534
NRU2330	FEX100YR1D AY	17.68	18.46	0.0004	31.95	10.89	11670
NRU2350	FEX100YR1D AY	17.68	18.45	-0.0002	6.32	30.85	655
NRU2370	FEX100YR1D AY	17.37	18.32	0.0001	6.19	6.32	528
NRU2390	FEX100YR1D AY	17.36	18.34	0.0000	17.32	6.19	38205
NRU2410	FEX100YR1D AY	17.72	18.41	0.0001	27.67	27.59	22637
NRU2430	FEX100YR1D AY	17.83	18.41	0.0001	23.34	22.93	16951
NRU2450	FEX100YR1D AY	18.06	18.40	0.0001	10.47	9.54	20483
NRU2470	FEX100YR1D AY	15.72	17.89	-0.0001	14.17	13.98	1460
NRU2490	FEX100YR1D AY	15.75	17.91	0.0000	14.52	14.17	1431
NRU2510	FEX100YR1D AY	15.75	17.95	0.0001	9.49	9.58	959
NRU2530	FEX100YR1D AY	15.76	18.10	0.0001	9.41	9.49	582
NRU2550	FEX100YR1D	16.53	17.91	0.0001	265.10	256.51	120350

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NRU2570	FEX100YR1D AY	17.71	18.78	0.0001	257.56	251.72	116849
NRU2590	FEX100YR1D AY	18.30	18.79	0.0001	35.96	35.60	9958
NRU2610	FEX100YR1D AY	18.62	19.33	0.0001	125.66	125.40	31292
NRU2630	FEX100YR1D AY	19.41	19.77	-0.0002	111.12	109.69	86613
NRU2650	FEX100YR1D AY	19.54	20.18	0.0002	99.01	97.35	99571
NRU2670	FEX100YR1D AY	16.64	17.19	0.0000	46.81	44.46	20737
NRU2690	FEX100YR1D AY	17.09	18.15	0.0000	292.57	127.49	605413
NSH02	FEX100YR1D AY	0.00	21.33	-0.0005	22.38	110.55	20448
NSH03	FEX100YR1D AY	0.00	20.72	0.0000	5.65	5.58	548
NSH04	FEX100YR1D AY	0.00	20.19	0.0002	82.54	81.47	36945
NSH05	FEX100YR1D AY	0.00	19.82	-0.0030	14.32	13.46	20657
NSH07	FEX100YR1D AY	0.00	8.54	0.0001	84.13	84.08	10552
NSH08	FEX100YR1D AY	0.00	10.37	0.0000	41.25	40.98	7786
NSH09	FEX100YR1D AY	0.00	10.85	0.0000	119.49	119.34	23552
NSH10	FEX100YR1D AY	0.00	19.20	0.0000	41.92	41.04	29924
NSH11	FEX100YR1D AY	0.00	21.15	0.0000	12.75	12.68	6845
NSH12	FEX100YR1D AY	0.00	19.25	0.0000	18.00	17.57	8506
NSH13	FEX100YR1D AY	0.00	18.16	0.0000	47.53	46.86	23319
NSH14	FEX100YR1D AY	0.00	17.87	0.0000	13.99	13.89	11233
NSH15	FEX100YR1D AY	0.00	18.76	0.0000	9.12	9.06	5723
NSH17	FEX100YR1D AY	0.00	17.37	0.0000	50.11	49.97	9805
NSH18	FEX100YR1D AY	0.00	15.93	0.0000	44.94	44.80	10661
NSH19	FEX100YR1D AY	0.00	11.74	0.0000	41.07	40.78	14879

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSH20	FEX100YR1D AY	0.00	20.24	0.0000	5.94	5.77	12954
NSH21	FEX100YR1D AY	0.00	11.32	-0.0001	59.10	59.05	12078
NSH22	FEX100YR1D AY	0.00	14.51	0.0000	59.06	58.65	11836
NSH23	FEX100YR1D AY	0.00	18.45	0.0000	20.07	19.84	5458
NSH24	FEX100YR1D AY	0.00	14.51	0.0000	48.19	47.90	9643
NSH25	FEX100YR1D AY	0.00	14.24	0.0000	33.02	31.93	16896
NSH26	FEX100YR1D AY	0.00	14.14	0.0000	151.16	147.40	75470
NSH27	FEX100YR1D AY	0.00	13.14	0.0000	46.31	44.60	42641
NSH27A	FEX100YR1D AY	0.00	13.09	0.0000	17.22	16.97	921
NSH27AA	FEX100YR1D AY	0.00	13.12	-0.0001	4.50	4.53	549
NSH27B	FEX100YR1D AY	0.00	11.78	-0.0002	16.97	18.48	1033
NSH27C	FEX100YR1D AY	0.00	9.52	-0.0004	18.48	17.25	1037
NSH28	FEX100YR1D AY	0.00	10.12	0.0000	73.25	72.76	16358
NSH29	FEX100YR1D AY	0.00	9.78	-0.0001	17.96	13.62	8428
NSH31	FEX100YR1D AY	0.00	10.10	0.0000	5.40	4.72	480
NSH33	FEX100YR1D AY	0.00	16.81	0.0000	11.13	10.62	14334
NSH34	FEX100YR1D AY	0.00	9.61	0.0001	123.50	123.45	8537
NSH35	FEX100YR1D AY	0.00	8.23	-0.0001	144.04	144.03	5884
NSH36	FEX100YR1D AY	0.00	8.19	0.0005	22.24	22.20	805
NSH37	FEX100YR1D AY	0.00	18.14	0.0000	31.59	31.55	7607
NSH41	FEX100YR1D AY	0.00	19.25	0.0000	14.04	13.75	1789
NSH42	FEX100YR1D AY	0.00	7.99	0.0001	182.11	182.10	6042
NSH43	FEX100YR1D AY	0.00	7.99	-0.0001	49.13	49.08	1957
NSH44	FEX100YR1D	0.00	10.00	0.0002	88.03	88.03	1313

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NSH45	FEX100YR1D AY	0.00	16.72	0.0000	90.83	89.82	39582
NSH48	FEX100YR1D AY	0.00	18.46	0.0000	24.84	24.67	6113
NSH49	FEX100YR1D AY	0.00	21.00	0.0000	28.79	26.24	22593
NSH50	FEX100YR1D AY	0.00	20.22	0.0002	72.48	68.11	25468
NSH51	FEX100YR1D AY	0.00	20.03	0.0001	52.53	29.74	112735
NSH52	FEX100YR1D AY	0.00	20.21	0.0001	118.24	107.04	70095
NSH53	FEX100YR1D AY	0.00	20.04	-0.0001	28.38	24.61	5102
NSH54	FEX100YR1D AY	0.00	20.21	0.0001	76.49	77.31	40786
NSH55	FEX100YR1D AY	0.00	20.22	0.0001	92.34	87.65	41605
NSH56	FEX100YR1D AY	0.00	20.22	-0.0001	28.04	28.15	5662
NSH57	FEX100YR1D AY	0.00	20.25	-0.0001	49.23	47.57	16463
NSH60	FEX100YR1D AY	0.00	20.69	0.0002	23.93	23.24	6840
NSH61	FEX100YR1D AY	0.00	20.22	-0.0003	19.53	19.41	444
NSH65	FEX100YR1D AY	0.00	21.07	0.0000	5.77	5.40	470
NSH75	FEX100YR1D AY	0.00	8.35	0.0001	76.33	75.52	17644
NSH80	FEX100YR1D AY	0.00	20.30	0.0000	6.58	6.80	10684
NSH81	FEX100YR1D AY	0.00	20.99	0.0000	2.06	0.70	3439
NSH82	FEX100YR1D AY	0.00	21.00	0.0000	5.70	3.10	11378
NSH83	FEX100YR1D AY	0.00	20.88	0.0000	29.99	29.17	16697
NSR0000	FEX100YR1D AY	2.00	2.00	0.0000	330.97	40.21	0
NSR0005	FEX100YR1D AY	2.00	2.00	0.0000	11.15	0.00	0
NSR0010	FEX100YR1D AY	2.00	2.00	0.0000	579.34	0.00	0
NSR0030	FEX100YR1D AY	2.92	3.92	0.0000	581.63	579.34	223647

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0032	FEX100YR1D AY	4.88	5.39	0.0000	21.10	18.83	25764
NSR0034	FEX100YR1D AY	3.63	4.27	0.0000	115.12	98.32	98793
NSR0050	FEX100YR1D AY	3.44	4.63	0.0000	564.11	561.57	129769
NSR0070	FEX100YR1D AY	3.45	4.46	0.0001	35.42	18.66	79250
NSR0090	FEX100YR1D AY	3.68	4.28	-0.0001	57.03	43.64	56360
NSR0100	FEX100YR1D AY	2.25	4.00	0.0000	11.35	11.15	3440
NSR0102	FEX100YR1D AY	4.24	4.63	0.0000	6.18	5.54	4275
NSR0105	FEX100YR1D AY	1.91	3.11	-0.0471	331.01	330.97	484
NSR0110	FEX100YR1D AY	3.93	4.84	0.0000	78.28	77.49	40574
NSR0112	FEX100YR1D AY	2.31	3.61	-0.0407	329.99	329.98	469
NSR0115	FEX100YR1D AY	4.25	4.45	0.0000	5.73	5.46	10006
NSR0120	FEX100YR1D AY	2.62	4.00	0.0398	327.62	327.66	479
NSR0130	FEX100YR1D AY	4.16	5.21	0.0000	76.19	75.79	49075
NSR0135	FEX100YR1D AY	4.22	5.60	0.0000	61.83	61.70	45052
NSR0140	FEX100YR1D AY	3.28	4.85	0.0271	324.93	325.02	10670
NSR0150	FEX100YR1D AY	3.64	5.09	0.0003	443.71	444.79	29727
NSR0160	FEX100YR1D AY	3.56	5.17	0.0217	307.89	306.98	26821
NSR0165	FEX100YR1D AY	4.03	5.65	0.0000	134.71	134.58	36094
NSR0170	FEX100YR1D AY	3.70	5.24	0.0000	80.48	80.43	17380
NSR0180	FEX100YR1D AY	3.83	5.64	0.0000	141.50	137.93	47450
NSR0190	FEX100YR1D AY	4.04	5.30	-0.0001	59.20	59.72	6427
NSR0210	FEX100YR1D AY	4.26	5.98	-0.0001	59.34	58.91	22376
NSR0230	FEX100YR1D AY	4.26	5.98	0.0000	82.89	58.75	165084
NSR0250	FEX100YR1D	3.93	5.27	0.0041	415.90	415.55	12764

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NSR0270	FEX100YR1D AY	3.98	5.34	0.0000	199.90	192.64	119573
NSR0280	FEX100YR1D AY	5.41	6.11	0.0017	359.90	359.45	50761
NSR0281	FEX100YR1D AY	5.97	6.82	0.0004	288.27	288.00	23870
NSR0290	FEX100YR1D AY	6.70	7.30	-0.0009	190.07	189.03	45885
NSR0310	FEX100YR1D AY	9.28	9.57	0.0001	164.47	163.33	77627
NSR0330	FEX100YR1D AY	9.65	10.31	-0.0001	9.85	9.86	470
NSR0350	FEX100YR1D AY	10.32	11.70	-0.0001	9.85	9.85	446
NSR0370	FEX100YR1D AY	10.35	11.73	0.0000	18.60	9.85	22309
NSR0390	FEX100YR1D AY	11.96	12.44	-0.0001	144.75	144.42	80921
NSR0410	FEX100YR1D AY	12.27	13.16	0.0001	8.85	9.46	510
NSR0430	FEX100YR1D AY	12.28	13.17	0.0000	15.33	8.85	33870
NSR0450	FEX100YR1D AY	13.04	14.22	-0.0001	88.82	88.62	42665
NSR0470	FEX100YR1D AY	13.10	14.68	-0.0002	65.06	64.98	16740
NSR0490	FEX100YR1D AY	4.41	5.42	-0.0051	245.98	242.76	53397
NSR0510	FEX100YR1D AY	4.48	5.58	-0.0015	122.13	119.93	27179
NSR0530	FEX100YR1D AY	4.55	5.67	-0.0005	58.58	56.87	80107
NSR0540	FEX100YR1D AY	4.55	5.74	0.0008	173.45	168.16	117177
NSR0550	FEX100YR1D AY	4.56	5.74	0.0040	399.23	397.48	34721
NSR0560	FEX100YR1D AY	4.66	5.79	-0.0007	193.38	188.42	129415
NSR0570	FEX100YR1D AY	5.28	5.94	0.0002	293.23	292.59	65195
NSR0580	FEX100YR1D AY	6.13	6.92	-0.0001	39.67	21.09	125065
NSR0590	FEX100YR1D AY	6.15	6.94	-0.0001	158.55	157.31	83072
NSR0610	FEX100YR1D AY	6.26	7.00	-0.0001	185.25	177.48	85709

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0630	FEX100YR1D AY	6.26	6.99	-0.0001	16.21	16.27	475
NSR0650	FEX100YR1D AY	6.25	6.96	-0.0001	159.63	118.54	223316
NSR0660	FEX100YR1D AY	6.13	6.90	-0.0001	111.79	108.75	80036
NSR0670	FEX100YR1D AY	6.24	6.95	-0.0001	6.47	7.05	520
NSR0680	FEX100YR1D AY	6.14	6.83	-0.0001	151.26	148.92	174308
NSR0690	FEX100YR1D AY	6.24	6.95	-0.0001	6.11	6.47	599
NSR0710	FEX100YR1D AY	6.23	6.94	0.0000	6.04	6.11	861
NSR0730	FEX100YR1D AY	6.29	7.04	-0.0001	234.51	221.19	213010
NSR0770	FEX100YR1D AY	6.81	7.93	0.0001	241.53	241.22	30940
NSR0780	FEX100YR1D AY	6.74	7.46	0.0001	94.11	93.31	30051
NSR0790	FEX100YR1D AY	8.35	10.97	-0.0003	489.41	488.36	92861
NSR0791	FEX100YR1D AY	7.13	8.85	0.0001	251.66	251.55	5596
NSR0809	FEX100YR1D AY	12.76	12.03	-0.0004	76.02	93.05	2120
NSR0810	FEX100YR1D AY	13.45	13.81	0.0000	333.69	333.51	60626
NSR0830	FEX100YR1D AY	15.10	15.70	-0.0001	435.94	434.10	181714
NSR0840	FEX100YR1D AY	16.09	16.45	0.0000	91.04	91.38	58511
NSR0850	FEX100YR1D AY	15.64	16.40	-0.0003	336.20	335.35	82337
NSR0860	FEX100YR1D AY	16.41	16.65	0.0001	22.51	22.40	19073
NSR0869	FEX100YR1D AY	16.03	16.76	0.0000	30.04	29.77	1504
NSR0870	FEX100YR1D AY	16.24	16.95	0.0001	282.70	282.56	53835
NSR0880	FEX100YR1D AY	16.24	16.99	0.0000	122.25	121.99	27454
NSR0881	FEX100YR1D AY	14.14	18.04	0.0005	462.93	461.40	196182
NSR0890	FEX100YR1D AY	4.02	5.30	0.1244	280.03	339.94	150765
NSR0910	FEX100YR1D	4.79	5.99	-0.0028	224.34	222.62	99125

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NSR0930	FEX100YR1D AY	5.54	7.30	0.0000	301.36	49.58	338143
NSR0950	FEX100YR1D AY	5.63	7.30	0.0004	437.32	398.99	206965
NSR0970	FEX100YR1D AY	6.14	7.35	0.0003	141.96	141.83	3616
NSR0990	FEX100YR1D AY	6.27	7.36	-0.0001	272.33	271.41	4555
NSR1010	FEX100YR1D AY	6.30	7.39	0.0000	67.42	64.05	20849
NSR1030	FEX100YR1D AY	8.54	9.55	0.0002	209.92	209.36	10071
NSR1050	FEX100YR1D AY	8.56	9.63	0.0000	154.56	151.10	32536
NSR1070	FEX100YR1D AY	9.58	9.88	-0.0014	309.58	305.98	74751
NSR1090	FEX100YR1D AY	11.30	11.52	-0.0002	173.37	173.46	8782
NSR1110	FEX100YR1D AY	11.57	11.61	0.0000	4.40	4.38	3049
NSR1130	FEX100YR1D AY	11.29	11.45	0.0000	49.26	49.19	16531
NSR1150	FEX100YR1D AY	11.39	11.67	0.0000	10.62	9.77	13551
NSR1170	FEX100YR1D AY	11.38	11.65	0.0000	3.29	3.13	450
NSR1190	FEX100YR1D AY	12.70	13.46	0.0000	172.32	172.32	14615
NSR1210	FEX100YR1D AY	12.70	13.46	0.0000	37.40	7.70	99541
NSR1230	FEX100YR1D AY	14.76	15.62	0.0000	168.75	168.74	9771
NSR1270	FEX100YR1D AY	14.99	15.80	0.0000	168.77	168.75	6276
NSR1290	FEX100YR1D AY	14.99	15.80	0.0000	12.18	2.10	28285
NSR1310	FEX100YR1D AY	14.99	15.80	0.0000	46.51	14.13	186684
NSR1330	FEX100YR1D AY	15.44	16.61	0.0000	167.79	166.42	23796
NSR1350	FEX100YR1D AY	15.45	16.62	0.0000	62.94	34.03	390137
NSR1370	FEX100YR1D AY	15.56	16.69	-0.0001	172.84	166.59	21929
NSR1390	FEX100YR1D AY	15.56	16.69	0.0000	6.17	3.48	11505

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR1410	FEX100YR1D AY	15.56	16.69	-0.0001	39.56	32.65	107482
NSR1430	FEX100YR1D AY	15.76	16.79	0.0000	83.17	79.41	64121
NSR1450	FEX100YR1D AY	15.74	16.79	0.0000	105.88	79.88	178426
NSR1470	FEX100YR1D AY	15.96	16.81	0.0000	85.89	79.39	96396
NSR1490	FEX100YR1D AY	16.21	16.84	0.0000	103.63	78.64	254603
NSR1510	FEX100YR1D AY	16.21	16.84	0.0000	59.19	51.47	88083
NSR1530	FEX100YR1D AY	15.56	16.69	0.0000	9.24	4.00	28722
NSR1550	FEX100YR1D AY	15.68	16.77	-0.0001	201.80	194.42	34955
NSR1570	FEX100YR1D AY	15.68	16.77	-0.0001	43.90	35.25	34037
NSR1590	FEX100YR1D AY	15.68	16.77	-0.0001	83.56	96.11	64696
NSR1610	FEX100YR1D AY	15.75	16.82	0.0002	34.35	23.11	66485
NSR1630	FEX100YR1D AY	15.75	16.82	0.0000	115.14	110.41	21008
NSR1650	FEX100YR1D AY	16.39	17.12	0.0000	5.20	5.20	537
NSR1670	FEX100YR1D AY	15.92	17.41	0.0003	150.09	133.60	106121
NSR1690	FEX100YR1D AY	16.24	17.62	0.0000	97.37	92.88	24231
NSR1710	FEX100YR1D AY	16.25	17.62	0.0000	13.21	10.64	46673
NSR1730	FEX100YR1D AY	16.32	17.66	0.0000	102.04	97.56	23105
NSR1750	FEX100YR1D AY	16.68	17.66	0.0000	5.47	5.35	6432
NSR1770	FEX100YR1D AY	17.23	17.58	0.0000	26.74	13.89	24466
NSR1790	FEX100YR1D AY	17.24	17.57	0.0000	33.11	18.02	42406
NSR1810	FEX100YR1D AY	17.25	17.57	0.0000	12.36	9.63	19444
NSR1830	FEX100YR1D AY	17.25	17.57	0.0000	118.47	114.50	125874
NSR1850	FEX100YR1D AY	16.95	18.33	0.0000	17.08	12.55	14267
NSR1870	FEX100YR1D	16.93	18.33	0.0001	114.70	33.08	189717

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NSR1890	FEX100YR1D AY	16.05	18.33	0.0001	13.36	13.73	1056
NSR1910	FEX100YR1D AY	15.45	18.33	0.0003	207.70	200.36	185911
NSR1930	FEX100YR1D AY	16.53	17.72	0.0002	78.16	76.78	15345
NSR1950	FEX100YR1D AY	16.70	17.68	0.0000	28.25	28.04	16923
NSR1970	FEX100YR1D AY	16.84	18.14	0.0000	50.32	31.05	118021
NSR1990	FEX100YR1D AY	16.86	17.95	0.0000	9.07	9.08	949
NSR2010	FEX100YR1D AY	16.91	17.80	0.0000	26.47	12.33	63776
NSR2030	FEX100YR1D AY	16.90	17.64	0.0000	12.33	12.34	751
NSR2050	FEX100YR1D AY	16.88	17.39	0.0000	27.12	24.05	37266
NSR2070	FEX100YR1D AY	16.81	17.39	-0.0001	6.62	6.51	781
NSR2090	FEX100YR1D AY	16.72	17.38	0.0000	6.51	6.41	673
NSR2110	FEX100YR1D AY	16.54	17.38	0.0000	27.49	23.62	44374
NSR2130	FEX100YR1D AY	16.50	16.64	0.0000	27.49	23.88	89275
NSR2150	FEX100YR1D AY	17.60	18.25	0.0000	107.39	67.73	285889
NSR2170	FEX100YR1D AY	17.62	18.26	0.0023	31.26	31.40	2087
NSR2190	FEX100YR1D AY	17.62	18.26	-0.0037	31.13	31.26	967
NSR2210	FEX100YR1D AY	17.62	18.26	0.0000	112.01	77.99	314959
NSR2230	FEX100YR1D AY	17.62	18.26	-0.0031	18.88	18.55	675
NSR2250	FEX100YR1D AY	17.63	18.26	0.0001	26.96	21.88	15517
NSR2270	FEX100YR1D AY	17.63	18.27	0.0001	34.17	23.42	53356
NSR2290	FEX100YR1D AY	17.63	18.27	-0.0002	18.45	18.21	888
NSR2310	FEX100YR1D AY	17.63	18.27	0.0000	26.66	19.32	42310
NSR2330	FEX100YR1D AY	17.65	18.42	0.0000	29.97	11.52	56437

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR2350	FEX100YR1D AY	17.65	18.43	0.0000	39.58	15.43	109288
NSR2370	FEX100YR1D AY	16.66	18.12	0.0000	63.28	57.54	9676
NSR2390	FEX100YR1D AY	18.07	18.17	0.0000	21.60	16.43	73672
NSR2410	FEX100YR1D AY	16.66	18.13	0.0000	69.45	47.17	24152
NSR2430	FEX100YR1D AY	17.99	18.13	0.0000	4.77	4.75	4168
NSR2450	FEX100YR1D AY	18.06	18.31	0.0000	64.21	61.88	33680
NSR3000	FEX100YR1D AY	17.04	18.33	-0.0727	20.63	49.45	58622
NSR3005	FEX100YR1D AY	17.02	18.33	0.1453	49.45	4.05	566
NSR3020	FEX100YR1D AY	17.61	18.11	-0.0001	210.34	209.77	120034
NSR3040	FEX100YR1D AY	16.25	17.00	0.0000	255.02	251.84	145880
NSR3060	FEX100YR1D AY	16.21	16.84	0.0000	74.64	71.44	70180
NSW0010	FEX100YR1D AY	2.00	2.00	0.0000	33.37	0.00	0
NSW0030	FEX100YR1D AY	2.13	3.45	0.0003	33.37	33.37	587
NSW0050	FEX100YR1D AY	4.04	6.45	-0.0003	57.43	33.37	57503
Outfall	FEX100YR1D AY	2.00	2.00	0.0000	142.46	0.00	0
Outfall_NE	FEX100YR1D AY	21.00	21.27	-0.0003	9.60	0.00	0
PondA	FEX100YR1D AY	0.00	20.47	0.0000	39.11	30.49	94716
PondB	FEX100YR1D AY	0.00	17.86	0.0000	219.37	173.04	220017
SH_OUTFALL	FEX100YR1D AY	2.00	2.00	0.0000	522.20	0.00	0
STORAGE1	FEX100YR1D AY	0.00	20.90	0.0000	7.50	1.21	7405
STORAGE10	FEX100YR1D AY	0.00	21.07	0.0000	5.40	0.53	9148
STORAGE11	FEX100YR1D AY	0.00	21.33	0.0004	110.55	0.01	18648
STORAGE12	FEX100YR1D AY	0.00	21.94	0.0004	88.42	5.91	10262
STORAGE13	FEX100YR1D	0.00	20.29	0.0001	54.70	0.74	5323

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
STORAGE14	FEX100YR1D AY	0.00	23.04	0.0000	8.08	0.04	13395
STORAGE2	FEX100YR1D AY	0.00	20.27	0.0001	33.98	2.92	18426
STORAGE4	FEX100YR1D AY	0.00	20.26	0.0002	59.96	3.38	12088
STORAGE5	FEX100YR1D AY	0.00	21.53	0.0000	13.53	6.32	20042
STORAGE8	FEX100YR1D AY	0.00	20.23	0.0000	3.04	1.29	6098
STORAGE9	FEX100YR1D AY	0.00	20.69	0.0014	14.14	2.80	11761
Sevilla1	FEX100YR1D AY	1.20	2.62	0.0000	0.58	0.08	804
Sevilla2	FEX100YR1D AY	1.23	2.37	0.0000	0.28	0.04	610
Sevilla3	FEX100YR1D AY	1.20	2.62	0.0000	1.51	0.58	1339
Sevilla4	FEX100YR1D AY	1.20	2.62	0.0000	2.48	1.51	1450
Shamrock2	FEX100YR1D AY	1.11	2.37	-0.0001	142.47	142.46	5389
Shmrck1.1	FEX100YR1D AY	1.38	2.96	0.0002	144.58	142.48	6206
Shmrck1.2	FEX100YR1D AY	1.20	2.62	0.0002	142.48	142.48	3971
V3	FEX100YR1D AY	6.53	6.63	0.0000	1.66	1.48	36742
BC_N02	FEX10YR1DA Y	0.00	18.00	0.0000	0.00	0.00	0
Church1	FEX10YR1DA Y	8.77	9.69	0.0000	0.49	0.31	533
Church2	FEX10YR1DA Y	8.77	9.70	0.0000	6.13	5.30	4390
Clark1	FEX10YR1DA Y	7.21	8.13	0.0000	0.83	0.55	742
Clark2	FEX10YR1DA Y	7.21	8.14	-0.0001	60.48	60.03	20693
DM1	FEX10YR1DA Y	11.42	11.75	0.0000	6.03	6.16	1409
DM2	FEX10YR1DA Y	10.30	10.53	0.0000	6.16	5.95	2165
DM3	FEX10YR1DA Y	9.16	9.75	0.0000	5.95	6.13	2979
E_Outlet	FEX10YR1DA Y	0.00	16.39	0.0002	103.17	41.17	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
E_Outlet2	FEX10YR1DA Y	0.00	17.00	0.0000	0.00	0.00	0
EIP_Hes.1	FEX10YR1DA Y	1.99	2.74	0.0000	0.39	0.29	763
EIP_con.1	FEX10YR1DA Y	2.18	2.90	-0.0001	71.15	71.12	4221
ElPrad.1	FEX10YR1DA Y	1.99	2.74	0.0000	0.19	0.12	632
G1	FEX10YR1DA Y	14.98	15.74	-0.0004	84.03	67.18	40750
G10	FEX10YR1DA Y	8.77	9.68	0.0001	60.85	60.48	4601
G2	FEX10YR1DA Y	14.99	15.70	-0.0003	27.17	37.86	32918
G3	FEX10YR1DA Y	14.86	15.69	-0.0005	103.84	93.27	27806
G4	FEX10YR1DA Y	12.82	14.75	-0.0005	93.27	90.27	57240
G5	FEX10YR1DA Y	11.69	13.35	0.0001	69.24	69.20	1864
G6	FEX10YR1DA Y	11.00	9.24	0.0000	11.30	0.00	0
G7	FEX10YR1DA Y	11.00	11.68	0.0000	69.20	69.07	3601
G8	FEX10YR1DA Y	10.07	10.69	0.0000	57.80	57.62	2143
G9	FEX10YR1DA Y	9.41	10.09	0.0001	57.62	57.41	1353
H1	FEX10YR1DA Y	1.99	2.74	0.0000	0.14	0.12	514
H2.1	FEX10YR1DA Y	1.99	2.74	0.0001	71.12	71.09	6105
Hubert	FEX10YR1DA Y	3.16	3.60	0.0000	59.99	59.62	5965
JUNCT1	FEX10YR1DA Y	0.00	19.01	0.0000	6.63	6.46	4385
JUNCT10	FEX10YR1DA Y	0.00	22.09	0.0000	53.30	53.08	10692
JUNCT2	FEX10YR1DA Y	0.00	14.35	0.0000	26.51	26.48	2680
JUNCT3	FEX10YR1DA Y	0.00	19.95	0.0000	7.92	7.81	10385
JUNCT4	FEX10YR1DA Y	0.00	13.67	0.0000	5.47	5.46	5545
JUNCT6	FEX10YR1DA Y	0.00	16.10	0.0000	105.54	104.91	9918
JUNCT7	FEX10YR1DA	0.00	19.51	0.0000	98.78	99.05	8388

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
JUNCT7B	FEX10YR1DA Y	0.00	19.51	0.0000	100.03	96.85	18395
JUNCT8	FEX10YR1DA Y	0.00	19.51	0.0000	162.46	162.76	11633
JUNCT8B	FEX10YR1DA Y	0.00	19.51	0.0001	161.65	156.98	26041
JUNCT9	FEX10YR1DA Y	0.00	29.51	0.0000	48.93	48.97	9424
L1	FEX10YR1DA Y	11.53	11.86	0.0000	21.15	21.74	51703
L2	FEX10YR1DA Y	11.63	11.71	0.0000	4.42	4.08	41893
L3	FEX10YR1DA Y	10.43	10.47	0.0000	1.60	1.33	32936
L4	FEX10YR1DA Y	8.43	8.45	0.0000	0.60	0.38	50837
L5	FEX10YR1DA Y	7.63	7.64	0.0000	0.15	0.11	43662
L6	FEX10YR1DA Y	6.93	6.94	0.0000	0.05	0.03	43812
Lois	FEX10YR1DA Y	4.82	4.96	0.0001	60.02	59.99	6808
M1	FEX10YR1DA Y	2.58	6.31	-0.0002	18.10	16.53	24805
M1.1	FEX10YR1DA Y	6.33	6.69	0.0000	21.69	18.10	35067
M1.2	FEX10YR1DA Y	7.03	7.27	0.0000	19.04	20.99	28313
M1.3	FEX10YR1DA Y	7.13	7.50	0.0000	17.61	16.73	28489
M2	FEX10YR1DA Y	2.58	5.63	-0.0005	16.72	12.60	60353
M3	FEX10YR1DA Y	2.58	4.92	0.0000	12.60	12.60	1185
M4	FEX10YR1DA Y	2.58	3.84	0.0000	12.60	12.61	909
M5.1	FEX10YR1DA Y	2.57	3.22	0.0000	71.20	71.15	6163
M6	FEX10YR1DA Y	2.58	3.22	0.0000	0.38	0.23	558
Marjory_Pump	FEX10YR1DA Y	0.00	36.09	0.0102	3.62	3.05	496
N01	FEX10YR1DA Y	0.00	20.57	0.0000	21.13	9.13	32092
N01A	FEX10YR1DA Y	0.00	20.54	0.0000	7.19	6.94	437

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
N02	FEX10YR1DA Y	0.00	17.81	0.0001	25.62	25.09	15764
N03	FEX10YR1DA Y	0.00	18.01	0.0001	6.73	6.85	2617
N04	FEX10YR1DA Y	0.00	17.82	0.0000	6.10	8.29	2097
N05	FEX10YR1DA Y	0.00	17.62	0.0001	113.30	112.95	4411
N06	FEX10YR1DA Y	0.00	16.66	0.0002	79.78	79.83	3292
N07A	FEX10YR1DA Y	0.00	15.42	0.0002	82.50	82.55	4248
N08A	FEX10YR1DA Y	0.00	14.06	0.0005	113.35	113.40	9318
N09	FEX10YR1DA Y	0.00	12.15	0.0001	11.19	10.42	468
N09A	FEX10YR1DA Y	0.00	12.00	0.0003	121.63	121.63	1360
N10	FEX10YR1DA Y	2.00	2.00	0.0000	256.43	0.00	0
N11	FEX10YR1DA Y	0.00	16.82	-0.0006	115.97	103.17	194717
NBB0010	FEX10YR1DA Y	2.00	2.00	0.0000	128.31	0.00	0
NBB0030	FEX10YR1DA Y	5.03	6.84	0.0003	128.31	128.31	557
NBB0050	FEX10YR1DA Y	9.15	11.69	-0.0003	161.52	128.31	57598
NBB0070	FEX10YR1DA Y	11.30	13.32	0.0001	112.69	111.81	2549
NBB0090	FEX10YR1DA Y	12.67	13.86	0.0001	98.65	98.22	2258
NBB0110	FEX10YR1DA Y	13.46	14.72	0.0001	91.92	92.38	1982
NBB0130	FEX10YR1DA Y	15.26	16.59	-0.0003	42.66	28.25	43109
NBB0150	FEX10YR1DA Y	14.01	15.20	0.0001	71.84	71.98	1935
NBB0170	FEX10YR1DA Y	14.74	15.84	0.0001	71.72	71.84	1452
NBB0190	FEX10YR1DA Y	15.42	16.44	0.0001	71.60	71.72	32978
NBB0210	FEX10YR1DA Y	15.70	16.59	0.0001	69.24	69.35	1556
NBB0230	FEX10YR1DA Y	16.02	16.78	0.0001	69.13	69.24	4110
NBB0250	FEX10YR1DA	16.31	17.07	0.0001	68.36	68.48	2036

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NBB0270	FEX10YR1DA Y	17.05	17.51	0.0001	67.69	68.36	14624
NBB0290	FEX10YR1DA Y	17.06	17.51	0.0001	56.02	54.31	1258
NBB0310	FEX10YR1DA Y	17.07	17.51	-0.0002	173.32	103.90	358842
NBB0330	FEX10YR1DA Y	16.57	16.84	0.0002	40.51	38.86	17547
NBB0350	FEX10YR1DA Y	16.45	16.82	0.0002	27.55	28.58	1396
NBB0370	FEX10YR1DA Y	16.33	16.79	0.0002	72.38	52.95	60775
NBB0390	FEX10YR1DA Y	16.32	16.79	0.0002	21.17	22.05	1835
NBB0410	FEX10YR1DA Y	16.30	16.79	-0.0002	64.51	52.55	37664
NBB0430	FEX10YR1DA Y	15.45	15.83	-0.0003	101.62	98.39	67617
NBW0010	FEX10YR1DA Y	2.00	2.00	0.0000	711.02	0.00	0
NBW0030	FEX10YR1DA Y	3.39	3.89	0.0002	711.56	711.02	44975
NBW0050	FEX10YR1DA Y	3.92	4.14	0.0000	11.00	9.44	5830
NBW0070	FEX10YR1DA Y	3.57	4.17	-0.0003	229.72	519.20	36185
NBW0090	FEX10YR1DA Y	3.66	3.90	0.0000	7.32	5.85	15333
NBW0130	FEX10YR1DA Y	3.73	4.34	0.0000	227.65	228.69	14485
NBW0150	FEX10YR1DA Y	3.93	4.36	0.0001	10.26	9.87	2048
NBW0170	FEX10YR1DA Y	3.98	4.36	0.0001	5.53	4.13	10719
NBW0190	FEX10YR1DA Y	3.89	4.49	0.0001	226.01	226.25	5980
NBW0210	FEX10YR1DA Y	6.25	6.34	0.0000	9.58	9.38	6143
NBW0230	FEX10YR1DA Y	4.01	4.64	0.0001	225.14	225.26	3886
NBW0250	FEX10YR1DA Y	4.88	5.56	0.0000	224.31	224.38	5592
NBW0270	FEX10YR1DA Y	5.49	5.66	0.0001	45.31	40.61	23914
NBW0290	FEX10YR1DA Y	5.91	5.95	0.0000	34.54	35.04	12995

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW0310	FEX10YR1DA Y	6.38	6.64	0.0000	12.01	11.36	4672
NBW0330	FEX10YR1DA Y	5.50	6.34	0.0000	219.47	219.35	23546
NBW0350	FEX10YR1DA Y	4.97	4.97	0.0000	9.27	9.26	2521
NBW0370	FEX10YR1DA Y	5.52	6.35	-0.0001	11.01	9.88	6221
NBW0390	FEX10YR1DA Y	5.52	6.35	-0.0001	11.37	8.66	27060
NBW0410	FEX10YR1DA Y	5.54	6.40	-0.0001	216.18	216.42	3446
NBW0430	FEX10YR1DA Y	5.89	6.77	0.0000	6.95	6.12	15276
NBW0450	FEX10YR1DA Y	5.89	6.77	0.0001	216.96	216.18	11772
NBW0470	FEX10YR1DA Y	5.89	6.77	0.0000	5.07	4.25	10268
NBW0490	FEX10YR1DA Y	5.92	6.84	-0.0002	215.12	215.18	3152
NBW0510	FEX10YR1DA Y	6.72	6.84	0.0001	4.14	4.13	1674
NBW0530	FEX10YR1DA Y	6.22	7.21	0.0000	214.82	214.62	4802
NBW0550	FEX10YR1DA Y	6.72	7.91	0.0000	172.92	162.01	226482
NBW0570	FEX10YR1DA Y	7.09	7.88	0.0000	167.65	166.68	22828
NBW0590	FEX10YR1DA Y	10.03	10.09	-0.0003	238.32	237.40	84863
NBW0610	FEX10YR1DA Y	6.45	7.43	-0.0001	194.05	193.99	8694
NBW0630	FEX10YR1DA Y	6.22	7.21	0.0000	6.43	2.77	41110
NBW0650	FEX10YR1DA Y	6.66	7.86	0.0000	195.18	194.39	21553
NBW0670	FEX10YR1DA Y	6.66	7.87	0.0000	9.94	4.49	33162
NBW0690	FEX10YR1DA Y	6.71	7.90	0.0001	152.34	152.74	10024
NBW0710	FEX10YR1DA Y	6.71	7.90	0.0000	15.79	10.10	43254
NBW0730	FEX10YR1DA Y	6.72	7.90	-0.0001	143.44	147.16	196465
NBW0750	FEX10YR1DA Y	7.06	7.93	0.0001	167.53	160.65	100908
NBW0770	FEX10YR1DA	7.06	7.93	-0.0002	28.02	21.85	23096

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NBW0790	FEX10YR1DA Y	8.11	8.08	0.0000	23.88	23.70	1403
NBW0810	FEX10YR1DA Y	7.06	7.93	-0.0001	50.43	36.76	37172
NBW0830	FEX10YR1DA Y	8.41	8.22	-0.0001	36.96	36.71	2098
NBW0850	FEX10YR1DA Y	10.17	9.51	0.0001	35.90	33.75	4538
NBW0870	FEX10YR1DA Y	7.06	7.96	0.0000	138.90	123.40	188090
NBW0890	FEX10YR1DA Y	7.06	7.93	-0.0003	16.82	17.44	1027
NBW0910	FEX10YR1DA Y	7.06	7.94	-0.0001	146.52	138.41	129281
NBW0930	FEX10YR1DA Y	8.03	8.22	-0.0001	40.48	40.40	1301
NBW0950	FEX10YR1DA Y	8.82	8.62	0.0001	54.19	40.48	74539
NBW0970	FEX10YR1DA Y	8.82	8.62	0.0002	36.47	35.22	18493
NBW0990	FEX10YR1DA Y	8.82	8.63	-0.0003	15.67	15.85	785
NBW1010	FEX10YR1DA Y	8.83	8.73	0.0000	35.83	35.81	1120
NBW1030	FEX10YR1DA Y	9.19	10.58	0.0000	74.78	35.20	51662
NBW1050	FEX10YR1DA Y	9.30	10.58	-0.0001	17.94	17.46	900
NBW1070	FEX10YR1DA Y	9.34	10.58	0.0000	180.01	169.51	66682
NBW1090	FEX10YR1DA Y	3.78	4.33	0.0000	433.72	433.29	13517
NBW1130	FEX10YR1DA Y	4.51	5.24	-0.0001	76.28	76.13	26459
NBW1150	FEX10YR1DA Y	4.53	5.27	-0.0001	79.69	78.01	61654
NBW1169	FEX10YR1DA Y	4.09	4.58	0.0000	418.70	417.32	17298
NBW1170	FEX10YR1DA Y	4.30	4.77	0.0001	412.88	412.37	6253
NBW1190	FEX10YR1DA Y	6.13	6.40	-0.0001	39.42	35.46	53026
NBW1210	FEX10YR1DA Y	7.17	7.44	-0.0003	133.51	127.86	125002
NBW1230	FEX10YR1DA Y	7.17	7.46	-0.0002	188.86	121.10	184664

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW1250	FEX10YR1DA Y	4.74	5.27	-0.0001	371.38	370.46	7386
NBW1270	FEX10YR1DA Y	6.14	6.40	-0.0001	11.86	12.76	28720
NBW1310	FEX10YR1DA Y	5.21	5.64	0.0003	434.27	368.44	8354
NBW1330	FEX10YR1DA Y	7.56	9.05	-0.0022	330.62	378.92	3077
NBW1350	FEX10YR1DA Y	10.95	11.68	0.0001	38.08	38.36	8569
NBW1351	FEX10YR1DA Y	8.89	10.63	0.0004	269.20	271.60	8277
NBW1352	FEX10YR1DA Y	9.96	11.94	0.0006	261.99	262.20	7956
NBW1353	FEX10YR1DA Y	11.01	13.22	0.0005	259.75	259.98	8196
NBW1370	FEX10YR1DA Y	10.02	10.96	0.0004	208.25	224.26	39994
NBW1390	FEX10YR1DA Y	15.24	15.41	0.0003	273.49	272.67	121926
NBW1410	FEX10YR1DA Y	15.58	15.68	0.0003	188.55	184.93	25124
NBW1430	FEX10YR1DA Y	15.79	15.81	-0.0002	160.10	166.03	20744
NBW1450	FEX10YR1DA Y	16.94	17.02	-0.0003	250.12	249.87	113229
NBW1460	FEX10YR1DA Y	16.43	16.53	0.0002	155.46	155.97	4273
NBW1470	FEX10YR1DA Y	17.14	17.31	-0.0003	273.30	267.56	195782
NBW1480	FEX10YR1DA Y	18.11	18.16	0.0001	13.24	12.78	16211
NBW1490	FEX10YR1DA Y	17.86	18.15	0.0001	171.61	169.05	90694
NBW1510	FEX10YR1DA Y	18.12	18.39	0.0004	156.05	156.31	25530
NBW1530	FEX10YR1DA Y	17.92	18.33	0.0001	17.37	12.17	1181
NBW1550	FEX10YR1DA Y	17.75	18.28	0.0001	38.37	33.90	17264
NBW1570	FEX10YR1DA Y	18.21	18.55	0.0002	154.63	154.89	2604
NBW1590	FEX10YR1DA Y	18.12	18.38	0.0001	43.70	36.80	20607
NBW1610	FEX10YR1DA Y	18.13	18.38	0.0001	32.77	31.20	13651
NBW1630	FEX10YR1DA	18.13	18.28	0.0001	23.63	23.61	1804

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NBW1650	FEX10YR1DA Y	18.81	19.26	0.0001	15.25	12.70	22746
NBW1670	FEX10YR1DA Y	18.89	19.26	0.0001	33.37	31.25	18184
NBW1690	FEX10YR1DA Y	19.03	19.26	0.0001	20.81	19.31	10387
NBW1710	FEX10YR1DA Y	19.26	19.26	0.0001	4.73	1.20	998
NBW1730	FEX10YR1DA Y	18.65	19.25	0.0004	192.37	183.52	256084
NBW1750	FEX10YR1DA Y	18.82	19.26	0.0001	128.93	118.57	43588
NBW1770	FEX10YR1DA Y	18.82	19.26	0.0001	121.07	106.16	117274
NBW1790	FEX10YR1DA Y	18.91	19.26	0.0001	27.91	26.95	12888
NBW1820	FEX10YR1DA Y	18.72	19.00	0.0000	60.06	48.24	130419
NBW1830	FEX10YR1DA Y	18.74	19.28	-0.0001	78.52	78.69	55822
NBW1840	FEX10YR1DA Y	18.39	18.56	0.0000	99.32	89.81	100590
NBW1850	FEX10YR1DA Y	18.74	19.29	-0.0001	126.44	115.46	115134
NBW1860	FEX10YR1DA Y	18.39	18.57	-0.0001	13.50	9.66	19380
NBW1870	FEX10YR1DA Y	18.72	19.01	-0.0002	22.88	21.98	34675
NBW1890	FEX10YR1DA Y	19.06	19.55	0.0001	62.15	62.32	2613
NBW1910	FEX10YR1DA Y	19.27	19.72	0.0001	61.99	62.15	4108
NBW1930	FEX10YR1DA Y	19.27	19.72	0.0001	61.46	61.62	20159
NBW1950	FEX10YR1DA Y	18.97	19.30	0.0001	4.63	1.95	450
NBW1970	FEX10YR1DA Y	18.96	19.29	0.0000	12.07	12.02	5935
NBW1990	FEX10YR1DA Y	19.27	19.68	0.0001	65.65	61.26	100330
NBW2010	FEX10YR1DA Y	19.65	19.73	0.0001	10.18	9.26	10178
NBW2030	FEX10YR1DA Y	19.65	19.73	0.0001	12.90	9.15	53941
NBW2050	FEX10YR1DA Y	19.26	19.82	0.0001	53.28	55.14	97655

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW2060	FEX10YR1DA Y	0.00	19.82	0.0000	20.41	17.98	42634
NBW2070	FEX10YR1DA Y	19.26	19.82	0.0001	97.99	58.84	160824
NBW2090	FEX10YR1DA Y	19.10	19.49	0.0001	46.93	46.72	32399
NBW2110	FEX10YR1DA Y	18.92	19.50	0.0000	143.21	99.52	202966
NBW2130	FEX10YR1DA Y	18.92	19.50	-0.0001	38.69	27.11	36150
NBW2140	FEX10YR1DA Y	20.00	19.50	-0.0001	5.31	5.29	588
NBW2145	FEX10YR1DA Y	0.00	19.50	-0.0011	15.74	92.40	46091
NBW2150	FEX10YR1DA Y	19.26	19.82	0.0001	76.30	74.61	22845
NBW2170	FEX10YR1DA Y	19.12	19.87	0.0001	4.83	4.34	869
NBW2190	FEX10YR1DA Y	19.10	19.90	0.0001	6.90	4.83	10769
NBW2210	FEX10YR1DA Y	19.47	19.83	0.0001	27.21	25.31	11508
NBW2230	FEX10YR1DA Y	19.47	19.83	0.0001	55.44	54.29	47865
NBW2250	FEX10YR1DA Y	19.51	19.83	0.0001	16.72	14.80	2376
NBW2270	FEX10YR1DA Y	19.57	19.83	0.0001	17.08	14.74	14963
NBW2290	FEX10YR1DA Y	19.65	19.83	0.0001	37.02	33.10	97084
NBW2310	FEX10YR1DA Y	19.82	19.83	0.0001	36.67	30.57	100469
NBW2330	FEX10YR1DA Y	19.82	19.83	0.0001	26.81	16.64	54080
NBW2350	FEX10YR1DA Y	16.05	16.22	0.0001	79.88	79.37	54363
NBW2370	FEX10YR1DA Y	16.11	16.24	-0.0001	18.66	16.44	58286
NBW2380	FEX10YR1DA Y	12.29	14.80	0.0004	258.30	258.54	10756
NBW2385	FEX10YR1DA Y	18.49	18.50	0.0000	4.31	4.29	6514
NBW2387	FEX10YR1DA Y	16.11	15.78	0.0000	0.53	0.52	479
NBW2390	FEX10YR1DA Y	16.42	17.41	0.0001	55.04	54.37	17274
NBW2410	FEX10YR1DA	16.59	18.12	-0.0002	106.69	103.52	145945

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NBW2430	FEX10YR1DA Y	16.23	18.13	0.0001	172.93	170.71	60449
NBW2450	FEX10YR1DA Y	16.15	18.14	0.0002	163.68	164.43	4396
NBW2470	FEX10YR1DA Y	16.43	18.27	0.0002	379.59	202.78	37921
NBW2490	FEX10YR1DA Y	16.90	18.27	-0.0004	77.65	318.97	21092
NBW2510	FEX10YR1DA Y	17.74	18.28	-0.0001	74.33	73.50	2140
NBW2530	FEX10YR1DA Y	17.92	18.33	0.0001	65.42	65.84	2010
NBW2550	FEX10YR1DA Y	17.95	18.34	0.0001	2.59	2.90	450
NBW2570	FEX10YR1DA Y	17.96	18.34	0.0000	3.43	2.59	6042
NBW2590	FEX10YR1DA Y	18.06	18.36	0.0002	53.43	53.68	1098
NBW2610	FEX10YR1DA Y	17.00	18.33	-0.0008	216.31	209.29	90676
NBW2630	FEX10YR1DA Y	17.98	18.39	0.0001	166.18	158.55	36672
NBW2650	FEX10YR1DA Y	16.97	18.33	-0.0004	27.93	29.01	21293
NBW2670	FEX10YR1DA Y	16.42	18.33	0.0001	30.23	31.04	24366
NBW2680	FEX10YR1DA Y	17.73	18.02	-0.0001	46.94	44.25	26976
NBW2690	FEX10YR1DA Y	15.40	17.90	0.0002	248.04	246.28	79643
NBW2710	FEX10YR1DA Y	17.73	18.04	0.0001	2.97	2.44	533
NBW2730	FEX10YR1DA Y	18.29	18.53	0.0000	2.30	0.75	4929
NBW2770	FEX10YR1DA Y	18.09	18.43	0.0001	13.27	13.30	1309
NBW2775	FEX10YR1DA Y	6.59	6.61	0.0000	13.79	10.12	27705
NBW2780	FEX10YR1DA Y	18.38	18.54	-0.0001	66.32	63.54	92913
NBW2790	FEX10YR1DA Y	18.38	18.55	0.0000	199.04	196.04	98374
NBW2810	FEX10YR1DA Y	18.39	18.56	-0.0002	74.48	73.14	69691
NBW2830	FEX10YR1DA Y	18.40	18.58	-0.0001	57.28	47.55	123007

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NC01	FEX10YR1DA Y	0.00	6.10	0.0001	27.57	25.45	4228
NC01B	FEX10YR1DA Y	0.00	5.86	0.0000	15.91	15.86	5347
NC02	FEX10YR1DA Y	0.00	8.71	-0.0001	129.88	129.87	7336
NC03	FEX10YR1DA Y	0.00	4.84	-0.0002	149.63	149.59	10241
NC04	FEX10YR1DA Y	0.00	3.65	0.0000	65.02	60.88	32690
NC05	FEX10YR1DA Y	0.00	3.64	-0.0001	67.47	64.68	43957
NC06	FEX10YR1DA Y	0.00	3.60	0.0000	70.89	70.30	19977
NC07	FEX10YR1DA Y	0.00	3.59	-0.0001	61.51	61.38	19446
NC08	FEX10YR1DA Y	0.00	3.56	0.0000	69.58	69.42	14881
NCL0010	FEX10YR1DA Y	2.00	2.00	0.0000	685.38	0.00	0
NCL0030	FEX10YR1DA Y	2.36	2.94	-0.0002	537.71	537.69	6856
NCL0050	FEX10YR1DA Y	2.36	2.94	0.0001	0.62	0.97	439
NCL0070	FEX10YR1DA Y	5.20	5.51	0.0000	149.72	148.58	54233
NCL0090	FEX10YR1DA Y	6.06	6.17	-0.0001	58.21	43.79	76229
NCL0110	FEX10YR1DA Y	3.04	3.62	-0.0007	603.41	603.39	6623
NCL0130	FEX10YR1DA Y	4.05	3.76	-0.0003	144.27	144.34	565
NCL0150	FEX10YR1DA Y	4.95	4.97	-0.0001	144.20	144.27	2802
NCL0170	FEX10YR1DA Y	5.08	5.09	-0.0001	77.95	77.98	1472
NCL0190	FEX10YR1DA Y	5.08	5.10	0.0000	2.86	2.53	438
NCL0210	FEX10YR1DA Y	5.85	5.83	-0.0001	96.84	98.08	10354
NCL0230	FEX10YR1DA Y	6.60	6.95	-0.0002	40.65	31.99	43865
NCL0250	FEX10YR1DA Y	6.60	6.95	0.0001	3.79	3.94	602
NCL0270	FEX10YR1DA Y	6.60	6.95	-0.0001	5.15	4.33	2028
NCL0290	FEX10YR1DA	5.90	5.90	-0.0001	62.70	63.07	924

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NCL0310	FEX10YR1DA Y	6.10	6.20	0.0010	62.38	62.72	1045
NCL0330	FEX10YR1DA Y	5.95	5.97	-0.0001	22.08	22.30	8477
NCL0350	FEX10YR1DA Y	6.60	6.95	-0.0005	119.48	93.21	79207
NCL0370	FEX10YR1DA Y	7.36	7.62	0.0002	107.23	105.42	22725
NCL0390	FEX10YR1DA Y	4.02	4.55	-0.0013	445.62	475.02	4339
NCL0410	FEX10YR1DA Y	4.09	4.66	-0.0001	6.50	6.38	819
NCL0430	FEX10YR1DA Y	4.23	4.81	0.0000	6.69	6.50	639
NCL0450	FEX10YR1DA Y	4.75	5.22	-0.0011	435.92	436.01	3676
NCL0470	FEX10YR1DA Y	5.43	5.84	-0.0016	434.21	434.30	3437
NCL0490	FEX10YR1DA Y	6.48	6.78	0.0006	494.38	496.09	42665
NCL0510	FEX10YR1DA Y	6.67	6.98	0.0002	35.11	34.90	1146
NCL0530	FEX10YR1DA Y	8.10	8.17	0.0004	40.47	20.36	1172
NCL0550	FEX10YR1DA Y	8.17	8.23	-0.0002	30.56	40.47	33147
NCL0570	FEX10YR1DA Y	8.66	8.48	-0.0001	15.44	15.13	840
NCL0590	FEX10YR1DA Y	7.00	7.33	0.0011	436.67	436.95	3683
NCL0610	FEX10YR1DA Y	7.52	7.90	0.0007	424.07	424.12	3640
NCL0630	FEX10YR1DA Y	8.06	8.55	-0.0004	422.69	422.73	4608
NCL0650	FEX10YR1DA Y	8.12	8.60	-0.0003	49.98	102.61	1613
NCL0670	FEX10YR1DA Y	8.67	9.15	0.0003	131.12	49.98	1693
NCL0690	FEX10YR1DA Y	8.76	9.21	0.0001	33.94	35.14	605
NCL0710	FEX10YR1DA Y	8.95	9.34	0.0002	33.94	33.46	601
NCL0730	FEX10YR1DA Y	9.26	9.57	-0.0001	34.80	33.94	554
NCL0750	FEX10YR1DA Y	9.56	9.77	0.0000	114.25	103.04	56922

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL0770	FEX10YR1DA Y	10.12	10.27	0.0000	68.76	68.71	2178
NCL0790	FEX10YR1DA Y	8.69	9.18	0.0003	31.73	101.59	895
NCL0810	FEX10YR1DA Y	8.84	9.38	0.0001	32.11	31.73	4838
NCL0830	FEX10YR1DA Y	8.93	9.64	-0.0008	374.61	376.72	37498
NCL0850	FEX10YR1DA Y	9.01	9.66	0.0001	99.29	92.71	18457
NCL0870	FEX10YR1DA Y	9.37	9.86	0.0004	116.96	116.69	2022
NCL0890	FEX10YR1DA Y	9.65	10.02	-0.0004	102.79	102.47	1590
NCL0910	FEX10YR1DA Y	9.71	10.02	0.0001	7.60	7.04	6453
NCL0930	FEX10YR1DA Y	9.57	10.35	-0.0001	100.61	99.70	2111
NCL0950	FEX10YR1DA Y	9.89	10.67	0.0001	87.62	87.38	3156
NCL0970	FEX10YR1DA Y	10.41	11.09	0.0001	44.99	44.25	2268
NCL0990	FEX10YR1DA Y	11.00	11.47	0.0001	37.08	36.03	4252
NCL1010	FEX10YR1DA Y	11.14	11.65	0.0001	7.95	7.77	638
NCL1030	FEX10YR1DA Y	9.67	9.89	-0.0002	22.43	33.52	1473
NCL1050	FEX10YR1DA Y	10.46	9.90	0.0001	7.29	6.86	607
NCL1070	FEX10YR1DA Y	9.30	10.64	0.0001	4.14	4.17	617
NCL1090	FEX10YR1DA Y	9.76	10.72	0.0000	35.18	8.26	20932
NCL1110	FEX10YR1DA Y	9.85	10.39	0.0001	17.27	17.31	2096
NCL1130	FEX10YR1DA Y	9.76	10.72	0.0001	23.24	16.43	66626
NCL1150	FEX10YR1DA Y	9.76	10.72	0.0001	544.08	546.23	222266
NCL1170	FEX10YR1DA Y	10.59	11.85	0.0005	416.01	376.99	118141
NCL1190	FEX10YR1DA Y	10.72	11.99	0.0001	78.52	77.97	1850
NCL1210	FEX10YR1DA Y	10.63	11.87	0.0001	46.76	14.40	55841
NCL1230	FEX10YR1DA	10.94	12.16	0.0001	79.07	78.52	1432

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NCL1250	FEX10YR1DA Y	11.11	12.27	0.0001	79.63	79.07	1231
NCL1270	FEX10YR1DA Y	11.34	12.38	0.0001	96.48	93.52	24877
NCL1290	FEX10YR1DA Y	13.06	13.36	0.0001	62.38	62.28	5899
NCL1310	FEX10YR1DA Y	14.77	15.06	-0.0001	60.19	59.80	18087
NCL1330	FEX10YR1DA Y	10.60	11.85	-0.0002	240.70	245.63	83213
NCL1350	FEX10YR1DA Y	10.63	11.87	0.0001	245.60	239.16	67256
NCL1370	FEX10YR1DA Y	10.63	11.88	-0.0001	86.75	85.52	7107
NCL1390	FEX10YR1DA Y	10.63	12.28	0.0001	29.64	29.42	11838
NCL1410	FEX10YR1DA Y	10.63	12.29	0.0001	29.68	29.06	8003
NCL1430	FEX10YR1DA Y	10.70	11.90	0.0005	514.90	421.62	202060
NCL1450	FEX10YR1DA Y	10.93	12.51	0.0011	446.57	446.18	3036
NCL1470	FEX10YR1DA Y	12.72	13.94	0.0002	341.70	341.06	4427
NCL1490	FEX10YR1DA Y	14.45	14.60	0.0000	5.50	5.47	783
NCL1510	FEX10YR1DA Y	11.06	12.57	-0.0007	60.07	72.40	4790
NCL1530	FEX10YR1DA Y	12.54	12.86	-0.0003	81.61	80.80	11320
NCL1550	FEX10YR1DA Y	13.13	13.31	-0.0001	42.89	41.74	1021
NCL1570	FEX10YR1DA Y	13.31	13.59	0.0001	4.76	4.64	504
NCL1590	FEX10YR1DA Y	13.70	13.72	0.0000	2.14	2.13	1307
NCL1610	FEX10YR1DA Y	13.37	13.68	0.0001	2.90	2.67	469
NCL1630	FEX10YR1DA Y	13.57	13.64	-0.0003	74.59	74.57	2663
NCL1650	FEX10YR1DA Y	13.68	13.81	0.0002	75.83	75.85	1293
NCL1670	FEX10YR1DA Y	14.02	14.49	0.0001	78.39	78.39	6182
NCL1690	FEX10YR1DA Y	17.47	17.70	0.0001	51.98	51.92	4567

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL1710	FEX10YR1DA Y	17.89	18.05	0.0001	47.86	47.89	3210
NCL1730	FEX10YR1DA Y	18.27	18.77	-0.0003	109.92	109.96	19341
NCL1750	FEX10YR1DA Y	18.24	18.69	-0.0003	23.47	23.48	513
NCL1770	FEX10YR1DA Y	18.07	18.17	0.0001	36.35	36.35	2907
NCL1790	FEX10YR1DA Y	15.78	15.92	0.0002	336.79	336.24	5863
NCL1810	FEX10YR1DA Y	18.13	18.29	0.0001	58.06	53.30	34141
NCL1830	FEX10YR1DA Y	18.39	17.88	0.0002	315.29	314.76	6250
NCL1850	FEX10YR1DA Y	18.50	18.05	-0.0003	66.64	79.05	909
NCL1870	FEX10YR1DA Y	19.01	18.86	0.0002	66.47	66.64	1000
NCL1890	FEX10YR1DA Y	19.15	19.07	0.0003	68.23	67.07	985
NCL1910	FEX10YR1DA Y	19.15	19.07	0.0001	4.42	0.93	531
NCL1930	FEX10YR1DA Y	19.91	19.91	0.0000	4.91	4.90	1630
NCL1950	FEX10YR1DA Y	19.15	19.07	0.0000	0.79	0.16	503
NCL1970	FEX10YR1DA Y	21.67	21.66	0.0000	2.70	2.69	3234
NCL1990	FEX10YR1DA Y	19.58	19.75	-0.0002	70.50	68.23	917
NCL2010	FEX10YR1DA Y	19.74	19.90	0.0001	43.87	42.41	1104
NCL2030	FEX10YR1DA Y	19.76	19.82	0.0001	16.61	13.47	34228
NCL2050	FEX10YR1DA Y	19.76	19.94	0.0001	40.64	38.87	1411
NCL2070	FEX10YR1DA Y	19.76	19.82	-0.0001	4.01	4.57	1202
NCL2090	FEX10YR1DA Y	19.87	20.23	0.0001	42.78	40.64	1414
NCL2110	FEX10YR1DA Y	20.03	20.26	0.0004	30.16	28.92	3950
NCL2130	FEX10YR1DA Y	19.87	20.28	0.0001	90.19	96.06	63130
NCL2150	FEX10YR1DA Y	20.75	21.30	-0.0003	92.53	85.65	181850
NCL2170	FEX10YR1DA	19.85	20.26	0.0001	137.03	137.30	44716

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NCL2230	FEX10YR1DA Y	19.13	19.03	0.0003	243.36	244.01	5806
NCL2250	FEX10YR1DA Y	19.55	19.70	0.0002	254.41	241.91	4443
NCL2270	FEX10YR1DA Y	20.05	20.57	0.0001	204.02	203.45	26602
NCL2290	FEX10YR1DA Y	19.88	20.27	0.0001	12.75	12.29	4761
NCL2310	FEX10YR1DA Y	20.45	20.91	0.0001	103.12	102.15	1779
NCL2330	FEX10YR1DA Y	20.74	21.16	0.0001	148.95	139.42	104541
NCL2350	FEX10YR1DA Y	20.78	21.19	0.0001	94.67	93.19	7647
NCL2370	FEX10YR1DA Y	20.81	21.20	0.0001	91.14	89.61	2298
NCL2390	FEX10YR1DA Y	20.84	21.22	0.0001	144.77	124.99	149976
NCL2410	FEX10YR1DA Y	21.07	21.28	0.0000	30.74	29.76	1380
NCL2430	FEX10YR1DA Y	21.32	21.37	0.0000	29.82	28.64	1472
NCL2450	FEX10YR1DA Y	21.25	21.33	0.0000	5.20	5.03	493
NCL2470	FEX10YR1DA Y	20.93	21.23	0.0000	20.24	19.80	846
NCL2490	FEX10YR1DA Y	21.54	21.39	0.0000	27.09	26.21	1524
NCL2510	FEX10YR1DA Y	21.70	21.39	0.0000	120.96	121.77	93225
NCL2530	FEX10YR1DA Y	21.70	21.39	0.0000	52.66	54.21	45998
NCL2540	FEX10YR1DA Y	0.00	22.08	0.0000	79.11	78.32	46002
NCL2550	FEX10YR1DA Y	21.70	21.39	0.0000	64.00	64.49	15653
NCL2570	FEX10YR1DA Y	21.51	21.36	0.0001	13.53	12.58	1503
NCL2580	FEX10YR1DA Y	0.00	21.34	-0.0002	119.80	118.88	33660
NCL2590	FEX10YR1DA Y	21.17	21.34	0.0000	200.64	198.38	136096
NCL2610	FEX10YR1DA Y	21.14	21.34	0.0000	138.03	137.76	29612
NCL2630	FEX10YR1DA Y	20.86	20.94	0.0000	86.49	82.38	49383

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL2631	FEX10YR1DA Y	0.00	20.72	0.0001	94.37	72.24	43537
NCL2650	FEX10YR1DA Y	21.17	21.49	0.0001	98.39	82.93	117402
NCL2670	FEX10YR1DA Y	21.93	22.17	-0.0003	108.00	120.83	58369
NCL2690	FEX10YR1DA Y	21.96	22.39	-0.0001	61.87	75.36	54009
NCL2710	FEX10YR1DA Y	21.96	22.47	0.0000	53.13	54.10	71008
NCL2730	FEX10YR1DA Y	21.95	22.59	0.0000	35.30	34.92	11503
NCL2750	FEX10YR1DA Y	21.84	22.97	0.0000	103.63	103.08	32926
NCL2770	FEX10YR1DA Y	21.71	22.40	0.0000	29.28	29.30	1389
NCL2780	FEX10YR1DA Y	0.00	22.24	0.0000	23.11	21.90	26546
NCL2790	FEX10YR1DA Y	21.84	22.27	0.0000	151.14	144.87	121035
NCL2810	FEX10YR1DA Y	22.11	22.79	-0.0001	97.09	96.53	23110
NCL2830	FEX10YR1DA Y	23.09	22.92	-0.0001	19.25	18.80	3599
NCL2835	FEX10YR1DA Y	0.00	23.80	0.0000	7.82	7.88	1077
NCL2840	FEX10YR1DA Y	0.00	23.75	0.0000	94.87	94.61	24714
NCL2845	FEX10YR1DA Y	0.00	24.28	-0.0001	52.26	52.08	15879
NCL2850	FEX10YR1DA Y	20.82	21.20	0.0000	17.59	17.82	1361
NCL2870	FEX10YR1DA Y	20.83	21.15	0.0001	16.82	17.01	1245
NCL2890	FEX10YR1DA Y	20.83	21.11	-0.0001	15.04	16.82	21420
NCL2910	FEX10YR1DA Y	20.83	21.11	0.0001	76.26	75.63	43377
NCL2930	FEX10YR1DA Y	19.55	19.74	0.0003	192.96	198.49	5860
NCL2950	FEX10YR1DA Y	19.53	19.74	0.0002	191.99	192.25	7987
NCL2970	FEX10YR1DA Y	20.49	20.59	0.0002	59.32	58.29	15692
NCL2990	FEX10YR1DA Y	19.33	19.74	0.0002	188.59	188.80	5872
NCL3010	FEX10YR1DA	19.35	19.75	0.0002	185.70	185.86	217986

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NCL3030	FEX10YR1DA Y	19.58	19.82	0.0002	183.31	183.47	64949
NCL3050	FEX10YR1DA Y	19.94	20.07	0.0002	80.84	74.84	38932
NCL3070	FEX10YR1DA Y	20.14	20.20	0.0000	43.86	41.96	21045
NCL3090	FEX10YR1DA Y	19.59	19.82	0.0002	177.86	178.02	89259
NCL3110	FEX10YR1DA Y	19.59	19.83	0.0002	70.36	40.42	101772
NCL3130	FEX10YR1DA Y	19.59	19.83	0.0002	28.14	21.01	41903
NCL3150	FEX10YR1DA Y	19.54	19.82	0.0002	173.19	173.34	51780
NCL3170	FEX10YR1DA Y	19.71	20.28	0.0002	82.92	82.36	35373
NCL3190	FEX10YR1DA Y	20.31	20.50	0.0001	90.97	83.30	125874
NCL3210	FEX10YR1DA Y	20.32	20.50	0.0001	62.65	57.43	62665
NCL3230	FEX10YR1DA Y	20.32	20.51	0.0001	49.08	47.96	23260
NCL3250	FEX10YR1DA Y	19.11	19.50	0.0002	166.21	167.72	162110
NCL3270	FEX10YR1DA Y	19.11	19.54	0.0001	26.08	25.72	11164
NCL3280	FEX10YR1DA Y	0.00	19.63	0.0001	23.74	23.09	12621
NCL3290	FEX10YR1DA Y	20.16	20.26	0.0000	26.57	24.47	23107
NCL3300	FEX10YR1DA Y	0.00	19.74	0.0000	8.25	8.25	1823
NCL3310	FEX10YR1DA Y	20.19	20.25	0.0000	2.57	1.74	756
NCL3330	FEX10YR1DA Y	20.75	20.28	0.0000	5.51	5.18	437
NCL3350	FEX10YR1DA Y	20.51	20.66	0.0000	33.27	31.21	45221
NCL3360	FEX10YR1DA Y	0.00	20.65	0.0000	12.08	10.17	19901
NCL3365	FEX10YR1DA Y	0.00	20.26	0.0001	28.31	27.83	25048
NCL3370	FEX10YR1DA Y	20.64	21.05	-0.0001	131.00	126.65	96228
NCL3390	FEX10YR1DA Y	20.83	21.11	0.0001	124.62	124.03	41982

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL3410	FEX10YR1DA Y	20.83	21.11	0.0001	2.24	1.65	475
NCL3430	FEX10YR1DA Y	20.83	21.11	0.0000	5.73	0.82	4445
NCL3450	FEX10YR1DA Y	18.92	19.50	0.0006	379.84	251.39	210703
NCL3460	FEX10YR1DA Y	18.92	19.50	-0.0008	127.46	131.12	2956
NCL3470	FEX10YR1DA Y	19.11	19.51	0.0001	309.31	242.65	288280
NCL3490	FEX10YR1DA Y	19.15	19.51	0.0001	123.41	115.52	55396
NCL3510	FEX10YR1DA Y	20.64	19.85	0.0001	108.44	107.64	26329
NCL3520	FEX10YR1DA Y	0.00	19.52	0.0001	264.96	265.37	32948
NCL3530	FEX10YR1DA Y	20.66	20.73	0.0001	154.66	151.53	65926
NCL3550	FEX10YR1DA Y	20.66	20.73	0.0001	5.47	2.25	736
NCL3570	FEX10YR1DA Y	20.66	20.75	0.0001	3.02	1.15	624
NCL3590	FEX10YR1DA Y	20.66	20.80	0.0000	3.26	1.08	5674
NCL3610	FEX10YR1DA Y	20.66	20.73	0.0001	17.99	16.49	1245
NCL3630	FEX10YR1DA Y	20.64	20.72	0.0001	243.28	238.44	118557
NCL3635	FEX10YR1DA Y	0.00	20.72	0.0001	14.11	10.57	1720
NCL3640	FEX10YR1DA Y	0.00	20.72	0.0001	29.56	26.34	43607
NCL3650	FEX10YR1DA Y	18.92	19.50	0.0001	5.00	3.97	501
NCL3670	FEX10YR1DA Y	18.92	19.50	0.0000	31.64	21.11	79602
NCL3690	FEX10YR1DA Y	18.92	19.50	0.0003	219.15	218.53	3204
NCL3730	FEX10YR1DA Y	18.92	19.50	0.0000	414.43	95.78	141775
NCL3740	FEX10YR1DA Y	0.00	19.50	0.0001	112.61	84.22	40666
NCL3750	FEX10YR1DA Y	18.93	19.26	0.0002	203.31	75.70	243155
NCL3770	FEX10YR1DA Y	18.93	19.26	0.0002	73.80	25.62	100088
NCL4000	FEX10YR1DA	0.00	29.79	0.0000	48.97	48.93	7165

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NCL4010	FEX10YR1DA Y	0.00	29.51	0.0000	41.32	41.09	14000
NCypEast	FEX10YR1DA Y	32.00	29.00	0.0000	10.75	0.00	0
NCypWest	FEX10YR1DA Y	32.00	29.93	0.0000	0.00	0.00	0
NOC0010	FEX10YR1DA Y	2.00	2.00	0.0000	473.29	69.19	0
NOC0030	FEX10YR1DA Y	1.14	2.32	0.0310	473.39	473.29	595
NOC0050	FEX10YR1DA Y	1.20	2.51	-0.0204	423.35	423.49	530
NOC0070	FEX10YR1DA Y	1.45	3.25	0.0064	412.43	412.17	917
NOC0090	FEX10YR1DA Y	2.91	3.45	-0.0020	124.56	124.66	446
NOC0110	FEX10YR1DA Y	1.65	3.32	-0.0068	266.00	266.20	455
NOC0130	FEX10YR1DA Y	3.06	4.03	-0.0025	265.92	266.00	528
NOC0150	FEX10YR1DA Y	3.08	4.05	0.0000	2.96	2.72	500
NOC0170	FEX10YR1DA Y	4.56	4.83	0.0000	15.77	15.76	1455
NOC0190	FEX10YR1DA Y	5.09	5.17	-0.0006	263.72	263.78	1077
NOC0210	FEX10YR1DA Y	5.68	5.91	-0.0001	31.25	30.57	4212
NOC0230	FEX10YR1DA Y	5.12	5.22	-0.0003	9.05	8.75	742
NOC0250	FEX10YR1DA Y	5.30	5.57	0.0000	9.54	9.05	984
NOC0270	FEX10YR1DA Y	5.57	6.18	0.0000	5.70	4.84	876
NOC0290	FEX10YR1DA Y	5.11	5.31	-0.0002	314.10	314.24	1836
NOC0310	FEX10YR1DA Y	5.27	5.53	-0.0002	62.99	62.38	1447
NOC0330	FEX10YR1DA Y	5.85	5.83	-0.0002	267.29	270.03	54698
NOC0350	FEX10YR1DA Y	5.89	5.94	-0.0002	218.77	217.99	9727
NOC0370	FEX10YR1DA Y	6.47	6.76	-0.0001	153.39	153.42	26836
NOC0390	FEX10YR1DA Y	6.60	6.95	0.0001	57.69	54.43	27241

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NOC0410	FEX10YR1DA Y	6.95	7.03	0.0000	53.82	42.98	32926
NOC0430	FEX10YR1DA Y	7.01	7.07	0.0000	37.67	33.49	15150
NOC0450	FEX10YR1DA Y	7.62	7.40	0.0000	26.63	26.31	9506
NOC0470	FEX10YR1DA Y	8.12	7.95	-0.0001	17.70	16.81	17277
NOC0490	FEX10YR1DA Y	7.67	7.42	0.0001	5.51	4.37	1051
NRU0010	FEX10YR1DA Y	2.00	2.00	0.0000	615.49	0.00	0
NRU0030	FEX10YR1DA Y	2.84	3.42	0.0002	339.12	339.11	2468
NRU0050	FEX10YR1DA Y	4.36	4.95	0.0001	339.11	339.12	2036
NRU0070	FEX10YR1DA Y	5.61	6.35	-0.0010	342.41	339.11	20378
NRU0090	FEX10YR1DA Y	5.66	6.36	-0.0002	86.93	68.29	22388
NRU0110	FEX10YR1DA Y	6.23	6.62	-0.0001	266.12	259.39	18593
NRU0130	FEX10YR1DA Y	7.66	7.88	0.0002	235.54	235.31	2616
NRU0150	FEX10YR1DA Y	7.71	7.92	0.0006	222.70	222.70	1434
NRU0160	FEX10YR1DA Y	0.00	13.96	0.0000	169.64	169.63	4959
NRU0165	FEX10YR1DA Y	0.00	14.15	0.0000	4.96	4.62	474
NRU0170	FEX10YR1DA Y	14.45	16.06	0.0003	175.63	168.37	44004
NRU0172	FEX10YR1DA Y	0.00	16.22	0.0000	6.43	6.50	829
NRU0174	FEX10YR1DA Y	0.00	16.53	-0.0001	10.15	6.70	9551
NRU0176	FEX10YR1DA Y	0.00	16.28	0.0000	6.35	6.38	761
NRU0178	FEX10YR1DA Y	0.00	16.52	0.0000	6.37	6.35	957
NRU0180	FEX10YR1DA Y	0.00	16.59	0.0000	103.46	92.63	115359
NRU0190	FEX10YR1DA Y	14.45	16.06	-0.0004	15.56	14.66	2320
NRU0210	FEX10YR1DA Y	14.45	16.04	-0.0001	16.54	14.53	4230
NRU0230	FEX10YR1DA	13.39	15.15	-0.0001	25.70	24.92	21625

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NRU0250	FEX10YR1DA Y	14.62	16.06	-0.0001	158.25	154.19	21346
NRU0270	FEX10YR1DA Y	15.05	16.15	0.0001	134.53	134.37	2590
NRU0290	FEX10YR1DA Y	16.30	18.68	-0.0003	58.05	46.29	71575
NRU0310	FEX10YR1DA Y	16.13	16.80	0.0001	97.70	97.94	2501
NRU0330	FEX10YR1DA Y	18.25	17.94	0.0001	27.99	28.23	1352
NRU0335	FEX10YR1DA Y	0.00	19.30	0.0001	8.72	6.25	14520
NRU0340	FEX10YR1DA Y	0.00	18.73	0.0001	66.84	65.81	36736
NRU0343	FEX10YR1DA Y	0.00	19.46	0.0001	10.22	8.40	903
NRU0345	FEX10YR1DA Y	0.00	19.70	-0.0001	56.86	50.78	80067
NRU0350	FEX10YR1DA Y	19.50	19.35	0.0001	18.76	16.30	26857
NRU0370	FEX10YR1DA Y	19.51	19.36	0.0001	14.37	15.27	19407
NRU0380	FEX10YR1DA Y	23.33	19.45	-0.0001	7.61	7.78	470
NRU0390	FEX10YR1DA Y	27.00	19.46	0.0000	18.80	7.61	32506
NRU0410	FEX10YR1DA Y	19.56	19.49	0.0001	9.52	9.71	1101
NRU0425	FEX10YR1DA Y	15.53	16.18	0.0001	6.92	5.96	4982
NRU0430	FEX10YR1DA Y	19.61	19.59	0.0001	9.38	9.52	1077
NRU0450	FEX10YR1DA Y	19.66	19.71	0.0001	9.26	9.38	1038
NRU0470	FEX10YR1DA Y	19.72	20.26	0.0001	9.81	9.26	799
NRU0490	FEX10YR1DA Y	20.36	20.69	0.0001	11.80	9.28	41775
NRU0495	FEX10YR1DA Y	0.00	21.15	-0.0001	10.08	8.08	15831
NRU0500	FEX10YR1DA Y	0.00	21.26	0.0000	2.78	2.67	7550
NRU0510	FEX10YR1DA Y	19.67	20.25	0.0001	28.54	20.60	77097
NRU0530	FEX10YR1DA Y	16.95	17.56	0.0001	68.59	68.79	2251

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0550	FEX10YR1DA Y	17.92	18.36	0.0001	99.51	94.67	77029
NRU0570	FEX10YR1DA Y	18.16	18.67	0.0001	67.75	67.71	1939
NRU0590	FEX10YR1DA Y	18.51	19.08	0.0001	64.26	64.32	6798
NRU0610	FEX10YR1DA Y	18.78	19.34	0.0001	63.78	63.84	39391
NRU0612	FEX10YR1DA Y	0.00	19.34	0.0001	59.86	59.92	17816
NRU0615	FEX10YR1DA Y	0.00	19.80	0.0001	11.14	8.12	1943
NRU0616	FEX10YR1DA Y	0.00	20.25	0.0000	7.29	6.14	16366
NRU0618	FEX10YR1DA Y	0.00	20.59	0.0000	12.84	10.68	19528
NRU0620	FEX10YR1DA Y	0.00	19.97	0.0001	23.42	22.04	24720
NRU0630	FEX10YR1DA Y	18.79	19.40	0.0001	58.29	58.35	16100
NRU0650	FEX10YR1DA Y	18.79	19.45	0.0001	57.27	57.65	31502
NRU0670	FEX10YR1DA Y	18.78	19.46	0.0001	55.99	56.05	1429
NRU0690	FEX10YR1DA Y	18.84	19.48	0.0001	64.21	61.46	41736
NRU0710	FEX10YR1DA Y	18.86	19.49	0.0001	109.49	99.18	55724
NRU0730	FEX10YR1DA Y	18.85	19.49	0.0001	34.22	30.61	54092
NRU0740	FEX10YR1DA Y	0.00	19.49	0.0000	107.42	91.60	36355
NRU0745	FEX10YR1DA Y	0.00	19.49	0.0000	97.37	80.74	57253
NRU0750	FEX10YR1DA Y	18.87	19.49	0.0000	129.11	46.18	269325
NRU0770	FEX10YR1DA Y	18.88	19.49	0.0001	27.21	27.46	1008
NRU0785	FEX10YR1DA Y	0.00	19.49	0.0000	107.14	91.91	69586
NRU0790	FEX10YR1DA Y	18.88	19.49	0.0000	160.14	124.24	156214
NRU0810	FEX10YR1DA Y	18.88	19.49	-0.0001	34.18	29.50	10749
NRU0820	FEX10YR1DA Y	0.00	19.49	0.0001	6.21	3.05	442
NRU0830	FEX10YR1DA	18.99	19.50	-0.0001	63.60	56.15	42435

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NRU0850	FEX10YR1DA Y	19.11	19.50	-0.0001	67.76	67.60	1188
NRU0870	FEX10YR1DA Y	19.32	19.50	-0.0007	16.89	18.61	560
NRU0890	FEX10YR1DA Y	19.35	19.50	0.0000	59.86	15.55	73248
NRU0910	FEX10YR1DA Y	19.35	19.51	0.0000	2.01	1.74	572
NRU0930	FEX10YR1DA Y	19.35	19.60	0.0000	2.15	2.01	1742
NRU0950	FEX10YR1DA Y	19.11	19.50	0.0000	99.10	84.56	38947
NRU0955	FEX10YR1DA Y	0.00	19.50	0.0000	120.00	93.25	60491
NRU0960	FEX10YR1DA Y	0.00	19.51	0.0001	160.43	153.20	42812
NRU0965	FEX10YR1DA Y	0.00	19.51	0.0001	184.40	173.62	114085
NRU0970	FEX10YR1DA Y	19.34	19.50	0.0000	49.22	27.36	90091
NRU0980	FEX10YR1DA Y	0.00	19.50	-0.0009	12.60	7.42	1097
NRU0990	FEX10YR1DA Y	19.39	19.50	0.0005	32.86	38.68	440
NRU1010	FEX10YR1DA Y	19.70	19.51	0.0001	33.18	32.86	33899
NRU1015	FEX10YR1DA Y	0.00	19.90	-0.0001	19.40	12.21	28079
NRU1020	FEX10YR1DA Y	0.00	21.01	-0.0060	18.89	99.39	866
NRU1025	FEX10YR1DA Y	0.00	20.55	0.0001	11.24	11.02	724
NRU1030	FEX10YR1DA Y	19.70	19.51	0.0001	73.08	63.34	135203
NRU1035	FEX10YR1DA Y	0.00	19.75	0.0000	4.98	4.55	436
NRU1037	FEX10YR1DA Y	0.00	19.51	0.0000	1.35	1.02	640
NRU1040	FEX10YR1DA Y	0.00	19.51	0.0001	52.37	47.76	80668
NRU1045	FEX10YR1DA Y	0.00	21.09	0.0001	16.32	13.83	21279
NRU1046	FEX10YR1DA Y	0.00	21.05	0.0060	13.83	12.28	932
NRU1050	FEX10YR1DA Y	19.70	19.51	0.0000	66.73	61.31	121417

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1070	FEX10YR1DA Y	19.83	19.51	0.0000	26.39	25.86	29469
NRU1090	FEX10YR1DA Y	18.86	19.49	0.0000	14.32	13.81	919
NRU1110	FEX10YR1DA Y	18.86	19.49	0.0001	61.33	39.10	86058
NRU1130	FEX10YR1DA Y	18.86	19.49	-0.0002	10.06	8.93	769
NRU1150	FEX10YR1DA Y	18.86	19.49	0.0001	47.81	44.26	93491
NRU1170	FEX10YR1DA Y	18.86	19.49	0.0001	35.50	32.53	79863
NRU1182	FEX10YR1DA Y	0.00	19.48	0.0000	9.44	8.89	15436
NRU1184	FEX10YR1DA Y	0.00	19.47	0.0000	12.75	12.64	872
NRU1185	FEX10YR1DA Y	0.00	19.30	0.0001	13.36	7.85	43143
NRU1186	FEX10YR1DA Y	0.00	19.47	0.0000	5.07	4.67	790
NRU1188	FEX10YR1DA Y	0.00	19.47	0.0000	16.02	4.93	60456
NRU1190	FEX10YR1DA Y	18.86	19.50	0.0001	5.36	3.31	576
NRU1210	FEX10YR1DA Y	18.86	19.50	0.0001	8.59	7.18	903
NRU1220	FEX10YR1DA Y	0.00	20.32	0.0001	17.47	13.32	29041
NRU1225	FEX10YR1DA Y	0.00	21.51	0.0000	4.62	4.46	436
NRU1230	FEX10YR1DA Y	18.88	19.49	0.0001	12.26	11.99	874
NRU1232	FEX10YR1DA Y	0.00	19.48	-0.0001	8.96	8.69	862
NRU1234	FEX10YR1DA Y	0.00	19.48	0.0003	48.99	45.47	13448
NRU1240	FEX10YR1DA Y	0.00	19.48	-0.0004	28.37	85.83	15105
NRU1250	FEX10YR1DA Y	4.07	4.59	0.0002	278.90	278.89	2104
NRU1270	FEX10YR1DA Y	4.78	5.24	0.0001	274.73	274.74	1667
NRU1290	FEX10YR1DA Y	5.41	5.88	-0.0001	261.88	261.96	3103
NRU1310	FEX10YR1DA Y	6.42	6.89	-0.0001	261.81	261.88	5053
NRU1330	FEX10YR1DA	8.29	8.86	0.0001	320.25	320.24	3357

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NRU1350	FEX10YR1DA Y	9.32	10.03	0.0001	315.33	315.28	2409
NRU1370	FEX10YR1DA Y	11.03	12.11	0.0001	310.78	309.45	5323
NRU1390	FEX10YR1DA Y	11.84	12.84	0.0001	64.83	54.12	22462
NRU1410	FEX10YR1DA Y	12.56	13.56	0.0002	257.02	257.23	7338
NRU1430	FEX10YR1DA Y	15.53	16.18	-0.0001	60.71	32.85	69290
NRU1450	FEX10YR1DA Y	15.94	16.16	-0.0001	39.82	38.91	7331
NRU1470	FEX10YR1DA Y	15.97	16.21	0.0001	7.10	7.09	981
NRU1490	FEX10YR1DA Y	16.09	16.43	0.0001	9.55	7.67	12531
NRU1510	FEX10YR1DA Y	15.12	16.36	0.0001	204.49	207.96	72369
NRU1530	FEX10YR1DA Y	15.71	16.53	-0.0001	83.90	89.21	14797
NRU1550	FEX10YR1DA Y	15.40	16.37	0.0000	75.84	76.50	3961
NRU1570	FEX10YR1DA Y	16.20	17.12	0.0000	53.12	52.21	7394
NRU1590	FEX10YR1DA Y	16.40	17.12	0.0000	8.26	7.60	4190
NRU1610	FEX10YR1DA Y	16.56	17.56	0.0001	41.72	40.19	19499
NRU1630	FEX10YR1DA Y	16.69	17.63	0.0001	34.97	35.07	1538
NRU1650	FEX10YR1DA Y	16.84	17.69	0.0001	34.87	34.97	27840
NRU1670	FEX10YR1DA Y	16.89	17.72	0.0001	86.72	33.26	162240
NRU1690	FEX10YR1DA Y	16.89	17.67	0.0001	44.24	43.80	5553
NRU1710	FEX10YR1DA Y	16.60	17.43	0.0001	34.33	34.11	1351
NRU1730	FEX10YR1DA Y	16.58	17.38	0.0000	91.62	24.70	153327
NRU1750	FEX10YR1DA Y	16.58	17.38	-0.0002	17.73	17.09	720
NRU1770	FEX10YR1DA Y	16.58	17.39	0.0000	30.66	30.53	5562
NRU1790	FEX10YR1DA Y	17.21	17.49	0.0000	9.61	7.86	5216

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1810	FEX10YR1DA Y	16.58	17.38	0.0000	10.83	7.35	20674
NRU1830	FEX10YR1DA Y	17.12	17.60	0.0000	22.86	19.95	7078
NRU1850	FEX10YR1DA Y	17.07	17.89	0.0001	25.03	24.84	1048
NRU1870	FEX10YR1DA Y	17.20	18.03	0.0001	25.24	25.03	908
NRU1890	FEX10YR1DA Y	17.38	18.22	0.0001	50.04	25.24	64936
NRU1910	FEX10YR1DA Y	17.71	18.22	0.0001	20.97	18.51	17196
NRU1930	FEX10YR1DA Y	15.71	16.53	-0.0001	53.17	79.50	79516
NRU1950	FEX10YR1DA Y	16.43	16.97	0.0001	50.61	50.97	1646
NRU1970	FEX10YR1DA Y	16.86	17.24	0.0001	50.27	50.61	1037
NRU1990	FEX10YR1DA Y	17.09	17.39	-0.0001	49.92	50.27	1719
NRU2010	FEX10YR1DA Y	18.02	18.23	0.0001	12.93	12.25	1603
NRU2030	FEX10YR1DA Y	18.39	18.48	0.0001	12.39	10.51	26342
NRU2050	FEX10YR1DA Y	18.40	18.49	0.0001	4.71	5.21	453
NRU2070	FEX10YR1DA Y	18.41	18.50	-0.0001	4.67	4.71	18731
NRU2090	FEX10YR1DA Y	17.16	17.43	-0.0001	35.20	35.12	2321
NRU2110	FEX10YR1DA Y	17.28	17.50	0.0001	34.86	34.28	1563
NRU2130	FEX10YR1DA Y	17.49	17.64	-0.0001	36.98	36.76	1932
NRU2150	FEX10YR1DA Y	17.69	17.90	0.0001	7.65	5.85	11762
NRU2170	FEX10YR1DA Y	17.07	17.44	0.0001	3.47	3.57	770
NRU2190	FEX10YR1DA Y	17.08	17.45	0.0000	10.81	3.47	28529
NRU2210	FEX10YR1DA Y	17.33	17.39	0.0001	6.37	6.37	538
NRU2230	FEX10YR1DA Y	17.33	17.08	0.0000	27.64	3.69	80995
NRU2250	FEX10YR1DA Y	17.31	17.07	0.0001	3.64	1.92	13380
NRU2270	FEX10YR1DA	17.61	17.73	0.0001	30.88	30.59	1544

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NRU2290	FEX10YR1DA Y	17.67	17.76	0.0001	19.94	18.86	1150
NRU2310	FEX10YR1DA Y	17.68	17.76	0.0001	14.58	15.01	7753
NRU2330	FEX10YR1DA Y	17.68	17.76	0.0003	33.26	8.11	2737
NRU2350	FEX10YR1DA Y	17.68	17.76	-0.0002	4.96	30.85	654
NRU2370	FEX10YR1DA Y	17.37	17.30	0.0001	4.76	4.96	528
NRU2390	FEX10YR1DA Y	17.36	17.28	0.0000	9.55	4.76	33541
NRU2410	FEX10YR1DA Y	17.72	17.76	0.0001	10.21	10.10	6776
NRU2430	FEX10YR1DA Y	17.83	17.79	0.0001	9.38	9.50	5413
NRU2450	FEX10YR1DA Y	18.06	17.83	0.0001	3.47	2.51	4373
NRU2470	FEX10YR1DA Y	15.72	16.53	0.0001	6.46	5.65	1459
NRU2490	FEX10YR1DA Y	15.75	16.54	0.0001	8.60	7.97	1430
NRU2510	FEX10YR1DA Y	15.75	16.54	0.0001	7.97	5.10	946
NRU2530	FEX10YR1DA Y	15.76	16.54	0.0001	5.10	2.42	582
NRU2550	FEX10YR1DA Y	16.53	17.08	0.0001	119.30	117.21	30977
NRU2570	FEX10YR1DA Y	17.71	18.17	0.0001	116.92	111.17	61194
NRU2590	FEX10YR1DA Y	18.30	18.47	0.0001	36.52	31.53	8901
NRU2610	FEX10YR1DA Y	18.62	18.93	0.0001	58.43	57.62	21467
NRU2630	FEX10YR1DA Y	19.41	19.41	-0.0002	50.86	48.64	49810
NRU2650	FEX10YR1DA Y	19.54	19.82	-0.0002	37.98	33.66	51098
NRU2670	FEX10YR1DA Y	16.64	16.91	0.0000	27.90	26.98	8086
NRU2690	FEX10YR1DA Y	17.09	17.52	0.0000	179.82	92.71	333579
NSH02	FEX10YR1DA Y	0.00	20.88	-0.0002	13.62	19.51	5470
NSH03	FEX10YR1DA Y	0.00	20.23	-0.0001	1.20	1.21	548

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSH04	FEX10YR1DA Y	0.00	18.77	0.0002	82.63	82.39	4613
NSH05	FEX10YR1DA Y	0.00	19.69	-0.0030	6.78	5.94	17276
NSH07	FEX10YR1DA Y	0.00	8.38	0.0001	47.79	49.75	10564
NSH08	FEX10YR1DA Y	0.00	8.58	0.0000	21.82	20.44	2236
NSH09	FEX10YR1DA Y	0.00	10.67	0.0000	65.58	65.02	16039
NSH10	FEX10YR1DA Y	0.00	19.07	0.0000	20.50	20.16	26296
NSH11	FEX10YR1DA Y	0.00	21.09	0.0000	7.73	7.65	6588
NSH12	FEX10YR1DA Y	0.00	19.16	0.0000	8.74	8.67	7528
NSH13	FEX10YR1DA Y	0.00	18.00	0.0000	26.38	25.96	19365
NSH14	FEX10YR1DA Y	0.00	17.82	0.0000	9.30	9.16	10747
NSH15	FEX10YR1DA Y	0.00	18.71	0.0000	5.51	5.45	5704
NSH17	FEX10YR1DA Y	0.00	17.25	0.0000	27.47	27.39	9015
NSH18	FEX10YR1DA Y	0.00	15.82	0.0000	25.29	25.19	10070
NSH19	FEX10YR1DA Y	0.00	11.63	0.0000	22.20	22.03	12736
NSH20	FEX10YR1DA Y	0.00	20.20	0.0000	3.48	3.29	11656
NSH21	FEX10YR1DA Y	0.00	11.20	-0.0001	22.83	22.71	10802
NSH22	FEX10YR1DA Y	0.00	14.35	0.0000	36.86	36.23	9812
NSH23	FEX10YR1DA Y	0.00	18.26	0.0000	11.96	11.87	3727
NSH24	FEX10YR1DA Y	0.00	14.35	0.0000	27.37	26.78	8275
NSH25	FEX10YR1DA Y	0.00	14.07	0.0000	17.87	16.41	12223
NSH26	FEX10YR1DA Y	0.00	13.97	0.0000	91.70	86.39	62371
NSH27	FEX10YR1DA Y	0.00	13.01	0.0000	24.07	19.43	38701
NSH27A	FEX10YR1DA Y	0.00	12.94	0.0000	18.77	17.45	921
NSH27AA	FEX10YR1DA	0.00	12.98	0.0000	4.52	4.55	552

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NSH27B	FEX10YR1DA Y	0.00	11.62	-0.0001	17.45	18.67	1033
NSH27C	FEX10YR1DA Y	0.00	9.33	-0.0002	18.67	17.34	1037
NSH28	FEX10YR1DA Y	0.00	9.77	0.0000	25.11	24.64	9457
NSH29	FEX10YR1DA Y	0.00	7.43	-0.0001	11.08	11.85	648
NSH31	FEX10YR1DA Y	0.00	9.75	0.0001	6.76	4.54	480
NSH33	FEX10YR1DA Y	0.00	16.70	0.0000	5.95	5.47	10825
NSH34	FEX10YR1DA Y	0.00	9.40	0.0001	62.27	62.23	5759
NSH35	FEX10YR1DA Y	0.00	8.02	0.0000	58.17	58.16	4127
NSH36	FEX10YR1DA Y	0.00	8.00	0.0003	22.08	21.85	805
NSH37	FEX10YR1DA Y	0.00	18.05	0.0000	16.81	16.76	6905
NSH41	FEX10YR1DA Y	0.00	19.02	0.0000	6.05	6.01	697
NSH42	FEX10YR1DA Y	0.00	6.38	0.0001	80.76	80.70	447
NSH43	FEX10YR1DA Y	0.00	6.75	-0.0003	38.60	39.76	507
NSH44	FEX10YR1DA Y	0.00	9.76	0.0002	53.88	53.88	682
NSH45	FEX10YR1DA Y	0.00	16.50	0.0000	49.03	48.11	27428
NSH48	FEX10YR1DA Y	0.00	18.26	0.0000	14.81	14.77	3581
NSH49	FEX10YR1DA Y	0.00	20.81	0.0000	16.73	15.51	17079
NSH50	FEX10YR1DA Y	0.00	19.40	0.0002	43.30	41.23	14595
NSH51	FEX10YR1DA Y	0.00	19.25	0.0001	31.33	26.08	25710
NSH52	FEX10YR1DA Y	0.00	19.21	0.0001	74.57	69.52	25454
NSH53	FEX10YR1DA Y	0.00	19.22	-0.0001	26.08	23.14	4697
NSH54	FEX10YR1DA Y	0.00	19.21	0.0001	70.46	70.24	12484
NSH55	FEX10YR1DA Y	0.00	19.30	0.0001	55.64	54.98	22412

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSH56	FEX10YR1DA Y	0.00	19.31	0.0001	28.09	28.20	5673
NSH57	FEX10YR1DA Y	0.00	19.48	0.0002	86.24	32.93	6892
NSH60	FEX10YR1DA Y	0.00	20.01	0.0002	14.55	16.44	436
NSH61	FEX10YR1DA Y	0.00	19.68	-0.0002	14.06	15.77	444
NSH65	FEX10YR1DA Y	0.00	20.57	0.0000	3.18	3.04	463
NSH75	FEX10YR1DA Y	0.00	7.60	0.0000	47.96	37.38	7037
NSH80	FEX10YR1DA Y	0.00	20.27	0.0000	3.99	3.78	10845
NSH81	FEX10YR1DA Y	0.00	20.62	0.0000	0.42	0.00	2178
NSH82	FEX10YR1DA Y	0.00	20.83	0.0000	2.17	0.47	5773
NSH83	FEX10YR1DA Y	0.00	20.69	0.0000	18.29	17.62	14357
NSR0000	FEX10YR1DA Y	2.00	2.00	0.0000	281.86	0.00	0
NSR0005	FEX10YR1DA Y	2.00	2.00	0.0000	6.69	0.00	0
NSR0010	FEX10YR1DA Y	2.00	2.00	0.0000	407.26	0.00	0
NSR0030	FEX10YR1DA Y	2.92	3.30	0.0000	423.53	407.26	218718
NSR0032	FEX10YR1DA Y	4.88	5.24	0.0000	12.36	7.57	22427
NSR0034	FEX10YR1DA Y	3.63	3.92	0.0000	67.67	60.74	46083
NSR0050	FEX10YR1DA Y	3.44	3.82	0.0000	373.16	370.04	94893
NSR0070	FEX10YR1DA Y	3.45	3.81	-0.0001	28.23	21.35	38843
NSR0090	FEX10YR1DA Y	3.68	3.93	-0.0001	35.16	31.03	18405
NSR0100	FEX10YR1DA Y	2.25	2.72	0.0000	6.74	6.69	524
NSR0102	FEX10YR1DA Y	4.24	4.39	0.0000	3.79	3.46	2973
NSR0105	FEX10YR1DA Y	1.91	2.81	-0.0272	281.91	281.86	484
NSR0110	FEX10YR1DA Y	3.93	4.19	0.0000	16.03	15.41	6626
NSR0112	FEX10YR1DA	2.31	3.17	-0.0305	280.21	280.19	469

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NSR0115	FEX10YR1DA Y	4.25	4.38	0.0000	3.03	2.64	8675
NSR0120	FEX10YR1DA Y	2.62	3.45	0.0329	277.36	277.41	479
NSR0130	FEX10YR1DA Y	4.16	4.61	0.0000	10.74	8.08	10585
NSR0135	FEX10YR1DA Y	4.22	4.74	0.0000	3.96	3.69	695
NSR0140	FEX10YR1DA Y	3.28	4.04	0.0121	273.59	273.61	477
NSR0150	FEX10YR1DA Y	3.64	4.12	0.0003	356.87	357.33	29291
NSR0160	FEX10YR1DA Y	3.56	4.29	-0.0068	270.60	271.02	11711
NSR0165	FEX10YR1DA Y	4.03	5.10	0.0000	4.54	3.57	13523
NSR0170	FEX10YR1DA Y	3.70	4.29	0.0000	6.01	4.60	8952
NSR0180	FEX10YR1DA Y	3.83	4.61	0.0000	7.22	5.48	8898
NSR0190	FEX10YR1DA Y	4.04	4.41	-0.0001	36.45	36.70	3229
NSR0210	FEX10YR1DA Y	4.26	4.70	0.0001	35.53	36.08	9344
NSR0230	FEX10YR1DA Y	4.26	4.70	0.0000	35.25	35.02	44638
NSR0250	FEX10YR1DA Y	3.93	4.35	0.0050	324.80	324.57	12764
NSR0270	FEX10YR1DA Y	3.98	4.44	0.0000	97.95	96.46	27326
NSR0280	FEX10YR1DA Y	5.41	5.88	0.0006	250.46	249.24	31513
NSR0281	FEX10YR1DA Y	5.97	6.54	0.0004	244.26	243.87	17693
NSR0290	FEX10YR1DA Y	6.70	6.91	-0.0005	103.37	102.53	35069
NSR0310	FEX10YR1DA Y	9.28	9.37	0.0001	91.27	89.91	63072
NSR0330	FEX10YR1DA Y	9.65	9.86	0.0001	7.93	7.95	470
NSR0350	FEX10YR1DA Y	10.32	10.76	0.0001	8.20	7.93	446
NSR0370	FEX10YR1DA Y	10.35	10.80	0.0000	11.28	8.20	9570
NSR0390	FEX10YR1DA Y	11.96	12.24	0.0001	53.50	50.70	75095

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0410	FEX10YR1DA Y	12.27	12.66	0.0001	9.45	10.18	510
NSR0430	FEX10YR1DA Y	12.28	12.67	0.0000	9.31	9.45	20547
NSR0450	FEX10YR1DA Y	13.04	14.02	0.0001	38.45	37.56	32430
NSR0470	FEX10YR1DA Y	13.10	14.40	-0.0001	26.57	25.94	13286
NSR0490	FEX10YR1DA Y	4.41	4.73	-0.0065	161.26	160.18	28804
NSR0510	FEX10YR1DA Y	4.48	4.93	-0.0008	85.25	85.40	15302
NSR0530	FEX10YR1DA Y	4.55	4.99	-0.0002	10.78	8.59	18159
NSR0540	FEX10YR1DA Y	4.55	5.17	0.0004	87.14	80.97	86083
NSR0550	FEX10YR1DA Y	4.56	5.18	-0.0011	312.44	312.26	20623
NSR0560	FEX10YR1DA Y	4.66	5.21	-0.0003	105.01	111.61	69556
NSR0570	FEX10YR1DA Y	5.28	5.49	0.0001	96.81	99.22	56722
NSR0580	FEX10YR1DA Y	6.13	6.40	-0.0001	21.42	15.32	103328
NSR0590	FEX10YR1DA Y	6.15	6.43	-0.0001	89.93	86.61	53258
NSR0610	FEX10YR1DA Y	6.26	6.46	-0.0001	55.23	48.15	67615
NSR0630	FEX10YR1DA Y	6.26	6.46	-0.0001	16.73	16.80	475
NSR0650	FEX10YR1DA Y	6.25	6.44	0.0001	60.13	39.69	169411
NSR0660	FEX10YR1DA Y	6.13	6.40	-0.0001	44.49	18.14	68683
NSR0670	FEX10YR1DA Y	6.24	6.44	-0.0001	6.86	7.54	520
NSR0680	FEX10YR1DA Y	6.14	6.39	-0.0001	21.42	9.45	133401
NSR0690	FEX10YR1DA Y	6.24	6.43	-0.0001	6.44	6.86	599
NSR0710	FEX10YR1DA Y	6.23	6.42	0.0000	6.37	6.44	861
NSR0730	FEX10YR1DA Y	6.29	6.50	0.0000	133.97	109.94	162109
NSR0770	FEX10YR1DA Y	6.81	7.33	0.0001	110.67	109.07	14261
NSR0780	FEX10YR1DA	6.74	6.85	-0.0001	14.33	13.45	20636

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NSR0790	FEX10YR1DA Y	8.35	10.14	-0.0003	362.47	340.08	48217
NSR0791	FEX10YR1DA Y	7.13	8.30	0.0002	233.82	233.82	5596
NSR0809	FEX10YR1DA Y	12.76	11.29	0.0004	73.61	93.49	2122
NSR0810	FEX10YR1DA Y	13.45	13.54	-0.0002	190.64	189.69	60274
NSR0830	FEX10YR1DA Y	15.10	15.32	-0.0001	205.13	200.61	136078
NSR0840	FEX10YR1DA Y	16.09	16.14	0.0001	30.19	30.74	38270
NSR0850	FEX10YR1DA Y	15.64	15.86	-0.0003	146.79	139.09	80333
NSR0860	FEX10YR1DA Y	16.41	16.44	0.0000	9.10	9.09	13933
NSR0869	FEX10YR1DA Y	16.03	16.23	0.0001	31.19	30.12	1505
NSR0870	FEX10YR1DA Y	16.24	16.45	0.0002	98.74	99.55	36629
NSR0880	FEX10YR1DA Y	16.24	16.47	0.0001	36.81	36.35	13962
NSR0881	FEX10YR1DA Y	14.14	17.11	0.0005	252.87	253.46	60713
NSR0890	FEX10YR1DA Y	4.02	4.40	-0.0805	271.12	252.15	52010
NSR0910	FEX10YR1DA Y	4.79	5.11	-0.0023	192.63	194.32	31084
NSR0930	FEX10YR1DA Y	5.54	6.17	0.0000	146.85	37.80	289965
NSR0950	FEX10YR1DA Y	5.63	6.17	0.0004	271.16	270.96	62320
NSR0970	FEX10YR1DA Y	6.14	6.47	-0.0002	138.48	138.71	3616
NSR0990	FEX10YR1DA Y	6.27	6.55	0.0001	205.69	205.65	4324
NSR1010	FEX10YR1DA Y	6.30	6.58	0.0000	43.63	43.00	12934
NSR1030	FEX10YR1DA Y	8.54	8.89	-0.0001	163.19	162.89	9869
NSR1050	FEX10YR1DA Y	8.56	8.94	0.0000	73.25	71.43	23835
NSR1070	FEX10YR1DA Y	9.58	9.69	-0.0006	207.57	206.40	48154
NSR1090	FEX10YR1DA Y	11.30	11.41	0.0004	150.54	150.55	8267

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR1110	FEX10YR1DA Y	11.57	11.58	0.0000	2.71	2.70	2961
NSR1130	FEX10YR1DA Y	11.29	11.36	0.0000	24.12	24.09	15025
NSR1150	FEX10YR1DA Y	11.39	11.53	0.0000	6.66	4.62	9460
NSR1170	FEX10YR1DA Y	11.38	11.52	0.0001	4.62	3.67	451
NSR1190	FEX10YR1DA Y	12.70	13.16	0.0000	149.73	149.72	13564
NSR1210	FEX10YR1DA Y	12.70	13.16	-0.0001	23.27	8.97	78442
NSR1230	FEX10YR1DA Y	14.76	15.23	0.0000	147.67	147.64	9640
NSR1270	FEX10YR1DA Y	14.99	15.43	0.0000	147.72	147.67	6276
NSR1290	FEX10YR1DA Y	14.99	15.43	0.0000	9.87	2.65	23519
NSR1310	FEX10YR1DA Y	14.99	15.43	0.0000	28.78	13.89	98685
NSR1330	FEX10YR1DA Y	15.44	16.06	0.0000	147.55	146.08	22876
NSR1350	FEX10YR1DA Y	15.45	16.07	0.0000	32.74	22.70	150055
NSR1370	FEX10YR1DA Y	15.56	16.16	0.0000	144.28	136.67	21929
NSR1390	FEX10YR1DA Y	15.56	16.16	0.0000	3.81	3.36	5042
NSR1410	FEX10YR1DA Y	15.56	16.16	-0.0001	29.07	26.86	33267
NSR1430	FEX10YR1DA Y	15.76	16.26	0.0000	51.11	43.99	39591
NSR1450	FEX10YR1DA Y	15.74	16.26	0.0000	69.03	48.16	107652
NSR1470	FEX10YR1DA Y	15.96	16.28	0.0000	50.24	45.02	42453
NSR1490	FEX10YR1DA Y	16.21	16.35	0.0000	55.40	40.97	143725
NSR1510	FEX10YR1DA Y	16.21	16.35	0.0000	32.72	30.23	29547
NSR1530	FEX10YR1DA Y	15.56	16.16	0.0000	5.70	4.09	11796
NSR1550	FEX10YR1DA Y	15.68	16.25	-0.0001	147.83	134.36	34084
NSR1570	FEX10YR1DA Y	15.68	16.25	0.0000	6.39	4.31	34037
NSR1590	FEX10YR1DA	15.68	16.25	0.0000	60.72	54.94	35360

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NSR1610	FEX10YR1DA Y	15.75	16.32	-0.0002	21.18	18.65	24644
NSR1630	FEX10YR1DA Y	15.75	16.32	0.0000	102.22	91.77	20155
NSR1650	FEX10YR1DA Y	16.39	17.09	0.0000	3.21	3.21	436
NSR1670	FEX10YR1DA Y	15.92	16.79	0.0002	67.92	60.77	47575
NSR1690	FEX10YR1DA Y	16.24	16.92	0.0000	89.05	78.87	21985
NSR1710	FEX10YR1DA Y	16.25	16.92	0.0000	8.17	7.95	13659
NSR1730	FEX10YR1DA Y	16.32	16.97	0.0000	87.79	80.29	12680
NSR1750	FEX10YR1DA Y	16.68	16.97	0.0000	3.37	3.37	871
NSR1770	FEX10YR1DA Y	17.23	17.44	0.0000	27.39	15.24	21032
NSR1790	FEX10YR1DA Y	17.24	17.45	0.0000	32.81	17.31	36302
NSR1810	FEX10YR1DA Y	17.25	17.45	0.0000	9.42	7.41	15081
NSR1830	FEX10YR1DA Y	17.25	17.45	0.0000	58.85	51.89	99383
NSR1850	FEX10YR1DA Y	16.95	17.90	-0.0001	11.37	9.66	13810
NSR1870	FEX10YR1DA Y	16.93	17.90	0.0001	48.77	32.92	130635
NSR1890	FEX10YR1DA Y	16.05	17.90	0.0001	13.34	13.74	1056
NSR1910	FEX10YR1DA Y	15.45	17.90	0.0004	69.09	66.07	120857
NSR1930	FEX10YR1DA Y	16.53	17.12	0.0002	64.77	64.33	5014
NSR1950	FEX10YR1DA Y	16.70	17.16	-0.0001	20.55	20.03	10001
NSR1970	FEX10YR1DA Y	16.84	17.50	-0.0001	32.36	25.48	58432
NSR1990	FEX10YR1DA Y	16.86	17.39	0.0000	9.97	8.86	949
NSR2010	FEX10YR1DA Y	16.91	17.29	0.0001	16.32	10.39	39821
NSR2030	FEX10YR1DA Y	16.90	17.18	-0.0001	10.39	10.39	751
NSR2050	FEX10YR1DA Y	16.88	17.00	0.0000	15.95	15.35	19626

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR2070	FEX10YR1DA Y	16.81	16.95	-0.0001	6.38	6.37	781
NSR2090	FEX10YR1DA Y	16.72	16.89	0.0000	6.37	6.35	673
NSR2110	FEX10YR1DA Y	16.54	16.79	0.0000	18.86	18.13	21930
NSR2130	FEX10YR1DA Y	16.50	16.54	0.0000	17.80	13.76	89615
NSR2150	FEX10YR1DA Y	17.60	17.44	0.0000	59.25	48.94	196280
NSR2170	FEX10YR1DA Y	17.62	17.49	-0.0001	27.85	27.67	2087
NSR2190	FEX10YR1DA Y	17.62	17.51	-0.0001	28.03	27.85	967
NSR2210	FEX10YR1DA Y	17.62	17.55	0.0000	55.03	42.52	111906
NSR2230	FEX10YR1DA Y	17.62	17.53	-0.0001	20.65	20.17	675
NSR2250	FEX10YR1DA Y	17.63	17.55	-0.0001	23.88	20.65	13328
NSR2270	FEX10YR1DA Y	17.63	17.56	0.0001	27.92	21.55	26025
NSR2290	FEX10YR1DA Y	17.63	17.56	0.0001	18.62	18.40	888
NSR2310	FEX10YR1DA Y	17.63	17.57	0.0000	21.29	18.67	21205
NSR2330	FEX10YR1DA Y	17.65	18.01	0.0000	21.89	12.78	43091
NSR2350	FEX10YR1DA Y	17.65	18.01	0.0001	24.85	12.48	57587
NSR2370	FEX10YR1DA Y	16.66	17.15	0.0000	32.63	28.28	9676
NSR2390	FEX10YR1DA Y	18.07	18.05	0.0000	13.22	7.13	64000
NSR2410	FEX10YR1DA Y	16.66	17.16	0.0000	43.18	28.80	19074
NSR2430	FEX10YR1DA Y	17.99	18.00	0.0000	2.94	2.93	3087
NSR2450	FEX10YR1DA Y	18.06	18.14	0.0000	39.32	38.48	19821
NSR3000	FEX10YR1DA Y	17.04	17.90	-0.0727	8.55	49.45	35753
NSR3005	FEX10YR1DA Y	17.02	17.90	0.1453	49.45	4.00	566
NSR3020	FEX10YR1DA Y	17.61	17.77	-0.0001	41.63	39.70	72402
NSR3040	FEX10YR1DA	16.25	16.48	0.0000	77.47	74.66	58891

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NSR3060	FEX10YR1DA Y	16.21	16.34	0.0001	25.73	24.13	47392
NSW0010	FEX10YR1DA Y	2.00	2.00	0.0000	28.75	0.00	0
NSW0030	FEX10YR1DA Y	2.13	3.08	-0.0004	28.76	28.75	587
NSW0050	FEX10YR1DA Y	4.04	5.31	0.0001	32.15	28.76	4899
Outfall	FEX10YR1DA Y	2.00	2.00	0.0000	71.08	0.00	0
Outfall_NE	FEX10YR1DA Y	21.00	20.51	-0.0003	8.60	0.00	0
PondA	FEX10YR1DA Y	0.00	20.22	0.0000	19.77	6.34	72920
PondB	FEX10YR1DA Y	0.00	17.06	0.0000	160.94	131.00	136551
SH_OUTFALL	FEX10YR1DA Y	2.00	2.00	0.0000	263.07	0.00	0
STORAGE1	FEX10YR1DA Y	0.00	20.28	0.0000	5.18	1.23	7405
STORAGE10	FEX10YR1DA Y	0.00	20.57	0.0000	3.04	0.04	9148
STORAGE11	FEX10YR1DA Y	0.00	20.88	0.0000	19.51	0.01	18648
STORAGE12	FEX10YR1DA Y	0.00	21.01	0.0004	95.89	5.91	10262
STORAGE13	FEX10YR1DA Y	0.00	19.75	0.0000	4.31	0.59	5323
STORAGE14	FEX10YR1DA Y	0.00	21.51	0.0000	4.46	0.00	13395
STORAGE2	FEX10YR1DA Y	0.00	19.50	0.0001	21.11	2.95	18426
STORAGE4	FEX10YR1DA Y	0.00	19.50	0.0003	88.80	3.38	12088
STORAGE5	FEX10YR1DA Y	0.00	21.23	0.0000	16.55	5.97	20042
STORAGE8	FEX10YR1DA Y	0.00	19.47	0.0000	3.05	0.97	6098
STORAGE9	FEX10YR1DA Y	0.00	20.01	0.0014	14.09	2.15	11761
Sevilla1	FEX10YR1DA Y	1.20	2.16	0.0000	0.05	0.03	804
Sevilla2	FEX10YR1DA Y	1.23	2.09	0.0000	0.02	0.01	610
Sevilla3	FEX10YR1DA Y	1.20	2.16	0.0000	0.12	0.09	1339

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Sevilla4	FEX10YR1DAY	1.20	2.16	0.0000	0.21	0.16	1450
Shamrock2	FEX10YR1DAY	1.11	2.09	-0.0003	71.12	71.08	5389
Shmrck1.1	FEX10YR1DAY	1.38	2.29	-0.0001	71.08	71.08	6206
Shmrck1.2	FEX10YR1DAY	1.20	2.16	0.0002	71.08	71.13	3971
V3	FEX10YR1DAY	6.53	6.53	0.0000	0.01	0.01	36626
BC_N02	FEX233YR1DAY	0.00	18.00	0.0000	0.00	0.00	0
Church1	FEX233YR1DAY	8.77	8.63	0.0000	0.00	0.00	436
Church2	FEX233YR1DAY	8.77	8.39	0.0000	3.36	2.84	4390
Clark1	FEX233YR1DAY	7.21	6.91	0.0000	0.41	0.21	741
Clark2	FEX233YR1DAY	7.21	6.91	0.0000	36.29	36.27	4366
DM1	FEX233YR1DAY	11.42	11.45	0.0000	3.25	3.37	1347
DM2	FEX233YR1DAY	10.30	10.22	0.0000	3.37	3.18	2049
DM3	FEX233YR1DAY	9.16	9.18	0.0000	3.18	3.36	2978
E_Outlet	FEX233YR1DAY	0.00	16.06	0.0002	60.41	27.53	0
E_Outlet2	FEX233YR1DAY	0.00	17.00	0.0000	0.00	0.00	0
EIP_Hes.1	FEX233YR1DAY	1.99	2.25	0.0000	0.29	0.24	763
EIP_con.1	FEX233YR1DAY	2.18	2.33	-0.0001	36.17	36.19	4221
ElPrad.1	FEX233YR1DAY	1.99	2.25	0.0000	0.14	0.09	623
G1	FEX233YR1DAY	14.98	14.70	-0.0006	44.56	38.16	31408
G10	FEX233YR1DAY	8.77	8.34	0.0000	36.30	36.29	4590
G2	FEX233YR1DAY	14.99	14.92	-0.0001	10.09	9.65	32920
G3	FEX233YR1DAY	14.86	14.44	-0.0003	47.44	40.66	14812
G4	FEX233YR1DAY	12.82	12.30	0.0000	40.66	40.65	2076
G5	FEX233YR1DAY	11.69	11.34	0.0000	40.65	40.64	1864

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
G6	FEX233YR1D AY	11.00	9.24	0.0000	5.70	0.00	0
G7	FEX233YR1D AY	11.00	10.56	0.0000	40.64	40.63	3601
G8	FEX233YR1D AY	10.07	9.76	0.0000	34.93	34.93	2143
G9	FEX233YR1D AY	9.41	9.24	0.0001	34.93	34.93	1353
H1	FEX233YR1D AY	1.99	2.25	0.0000	0.11	0.10	512
H2.1	FEX233YR1D AY	1.99	2.25	0.0000	36.19	36.17	6105
Hubert	FEX233YR1D AY	3.16	2.97	0.0000	36.27	36.24	5965
JUNCT1	FEX233YR1D AY	0.00	18.91	0.0000	2.94	2.83	3947
JUNCT10	FEX233YR1D AY	0.00	21.87	0.0000	30.80	30.74	8712
JUNCT2	FEX233YR1D AY	0.00	14.12	0.0000	13.65	13.63	1785
JUNCT3	FEX233YR1D AY	0.00	19.81	0.0000	1.47	1.01	8325
JUNCT4	FEX233YR1D AY	0.00	13.62	0.0000	2.96	2.91	5133
JUNCT6	FEX233YR1D AY	0.00	15.07	0.0000	9.68	9.67	2796
JUNCT7	FEX233YR1D AY	0.00	19.11	0.0000	31.32	31.21	6799
JUNCT7B	FEX233YR1D AY	0.00	18.68	0.0000	34.77	35.03	13690
JUNCT8	FEX233YR1D AY	0.00	19.26	0.0000	71.62	71.67	10623
JUNCT8B	FEX233YR1D AY	0.00	18.70	0.0000	71.11	71.03	24104
JUNCT9	FEX233YR1D AY	0.00	29.38	0.0000	25.55	25.52	8979
L1	FEX233YR1D AY	11.53	11.53	0.0000	0.00	0.00	436
L2	FEX233YR1D AY	11.63	11.63	0.0000	0.00	0.00	436
L3	FEX233YR1D AY	10.43	10.43	0.0000	0.00	0.00	436
L4	FEX233YR1D AY	8.43	8.43	0.0000	0.00	0.00	436
L5	FEX233YR1D AY	7.63	7.63	0.0000	0.00	0.00	436

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
L6	FEX233YR1D AY	6.93	6.93	0.0000	0.00	0.00	436
Lois	FEX233YR1D AY	4.82	4.53	0.0000	36.27	36.27	6808
M1	FEX233YR1D AY	2.58	2.53	0.0000	0.03	0.01	629
M1.1	FEX233YR1D AY	6.33	6.33	0.0000	0.00	0.00	436
M1.2	FEX233YR1D AY	7.03	7.03	0.0000	0.00	0.00	436
M1.3	FEX233YR1D AY	7.13	7.13	0.0000	0.00	0.00	436
M2	FEX233YR1D AY	2.58	2.53	0.0000	0.40	0.17	1054
M3	FEX233YR1D AY	2.58	2.53	0.0000	0.59	0.47	1167
M4	FEX233YR1D AY	2.58	2.54	0.0000	0.94	0.78	908
M5.1	FEX233YR1D AY	2.57	2.54	0.0000	36.24	36.21	6162
M6	FEX233YR1D AY	2.58	2.54	0.0000	0.31	0.21	558
Marjory_Pump	FEX233YR1D AY	0.00	28.97	0.0102	3.62	2.25	496
N01	FEX233YR1D AY	0.00	20.00	0.0000	11.34	7.76	20002
N01A	FEX233YR1D AY	0.00	20.00	0.0000	7.76	7.53	437
N02	FEX233YR1D AY	0.00	14.27	-0.0001	11.48	11.08	687
N03	FEX233YR1D AY	0.00	16.36	0.0000	0.82	0.82	576
N04	FEX233YR1D AY	0.00	17.41	0.0000	3.26	3.23	699
N05	FEX233YR1D AY	0.00	14.25	0.0000	69.72	69.73	4416
N06	FEX233YR1D AY	0.00	13.16	-0.0001	64.07	64.92	3292
N07A	FEX233YR1D AY	0.00	11.41	-0.0001	69.63	69.85	4248
N08A	FEX233YR1D AY	0.00	10.01	0.0002	87.86	87.79	1955
N09	FEX233YR1D AY	0.00	8.81	0.0000	5.58	5.73	468
N09A	FEX233YR1D AY	0.00	8.77	-0.0002	91.70	91.78	1361
N10	FEX233YR1D	2.00	2.00	0.0000	154.68	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
N11	FEX233YR1D AY	0.00	16.13	-0.0003	48.39	60.41	74964
NBB0010	FEX233YR1D AY	2.00	2.00	0.0000	112.41	0.00	0
NBB0030	FEX233YR1D AY	5.03	5.72	-0.0019	112.43	112.41	557
NBB0050	FEX233YR1D AY	9.15	9.44	0.0004	112.82	112.43	2226
NBB0070	FEX233YR1D AY	11.30	11.34	0.0001	99.70	99.71	2549
NBB0090	FEX233YR1D AY	12.67	12.56	0.0001	91.80	92.30	1994
NBB0110	FEX233YR1D AY	13.46	13.29	0.0001	88.67	89.16	1981
NBB0130	FEX233YR1D AY	15.26	15.15	-0.0002	25.94	23.51	13324
NBB0150	FEX233YR1D AY	14.01	13.80	0.0001	68.44	68.78	1936
NBB0170	FEX233YR1D AY	14.74	14.48	0.0001	68.10	68.44	1452
NBB0190	FEX233YR1D AY	15.42	15.12	0.0001	67.77	68.10	1476
NBB0210	FEX233YR1D AY	15.70	15.46	0.0001	65.44	65.62	1555
NBB0230	FEX233YR1D AY	16.02	15.86	0.0001	65.32	65.44	1635
NBB0250	FEX233YR1D AY	16.31	16.21	0.0001	64.63	64.69	2036
NBB0270	FEX233YR1D AY	17.05	16.82	0.0001	64.87	64.63	2232
NBB0290	FEX233YR1D AY	17.06	16.84	0.0002	57.02	53.73	1258
NBB0310	FEX233YR1D AY	17.07	16.86	0.0002	120.22	88.56	204604
NBB0330	FEX233YR1D AY	16.57	16.47	0.0002	29.58	29.48	3568
NBB0350	FEX233YR1D AY	16.45	16.31	0.0002	21.50	22.85	1396
NBB0370	FEX233YR1D AY	16.33	16.15	0.0002	44.16	40.45	27515
NBB0390	FEX233YR1D AY	16.32	16.14	0.0002	17.57	18.63	1838
NBB0410	FEX233YR1D AY	16.30	16.11	0.0002	45.29	42.86	28873
NBB0430	FEX233YR1D AY	15.45	15.42	-0.0002	45.32	50.65	65379

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW0010	FEX233YR1D AY	2.00	2.00	0.0000	529.03	0.00	0
NBW0030	FEX233YR1D AY	3.39	3.33	0.0000	529.26	529.03	38090
NBW0050	FEX233YR1D AY	3.92	3.54	0.0000	6.21	4.56	3654
NBW0070	FEX233YR1D AY	3.57	3.46	0.0000	150.84	151.91	25520
NBW0090	FEX233YR1D AY	3.66	3.54	0.0000	4.42	3.83	2623
NBW0130	FEX233YR1D AY	3.73	3.60	0.0000	148.01	148.51	14031
NBW0150	FEX233YR1D AY	3.93	3.64	-0.0001	7.33	7.02	442
NBW0170	FEX233YR1D AY	3.98	3.64	0.0000	3.34	2.98	1265
NBW0190	FEX233YR1D AY	3.89	3.73	0.0001	145.32	145.51	5759
NBW0210	FEX233YR1D AY	6.25	6.24	0.0000	5.80	5.68	4893
NBW0230	FEX233YR1D AY	4.01	3.83	-0.0001	143.79	143.88	2786
NBW0250	FEX233YR1D AY	4.88	4.61	0.0000	142.43	142.52	5287
NBW0270	FEX233YR1D AY	5.49	5.22	0.0001	22.37	21.23	10131
NBW0290	FEX233YR1D AY	5.91	5.78	0.0000	18.38	16.92	10381
NBW0310	FEX233YR1D AY	6.38	5.97	0.0000	6.22	6.07	743
NBW0330	FEX233YR1D AY	5.50	5.21	0.0000	132.97	133.40	19755
NBW0350	FEX233YR1D AY	4.97	4.93	0.0000	5.25	5.24	2460
NBW0370	FEX233YR1D AY	5.52	5.22	-0.0001	7.33	6.86	1036
NBW0390	FEX233YR1D AY	5.52	5.22	-0.0001	6.45	5.95	4359
NBW0410	FEX233YR1D AY	5.54	5.24	-0.0002	127.24	127.51	3446
NBW0430	FEX233YR1D AY	5.89	5.55	0.0001	3.51	2.92	847
NBW0450	FEX233YR1D AY	5.89	5.55	-0.0001	127.60	127.24	10354
NBW0470	FEX233YR1D AY	5.89	5.55	-0.0001	2.56	1.92	834
NBW0490	FEX233YR1D	5.92	5.58	-0.0002	125.86	126.20	2671

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NBW0510	FEX233YR1D AY	6.72	6.58	0.0000	1.83	1.82	1636
NBW0530	FEX233YR1D AY	6.22	5.87	0.0000	125.43	125.39	4802
NBW0550	FEX233YR1D AY	6.72	6.30	0.0000	67.42	55.60	83746
NBW0570	FEX233YR1D AY	7.09	6.81	0.0000	77.63	77.37	3638
NBW0590	FEX233YR1D AY	10.03	9.81	-0.0003	82.41	80.68	66130
NBW0610	FEX233YR1D AY	6.45	6.07	-0.0001	109.35	109.17	6706
NBW0630	FEX233YR1D AY	6.22	5.88	0.0000	2.20	1.39	5868
NBW0650	FEX233YR1D AY	6.66	6.20	0.0000	110.98	109.30	19153
NBW0670	FEX233YR1D AY	6.66	6.21	0.0000	2.71	2.19	7963
NBW0690	FEX233YR1D AY	6.71	6.28	-0.0001	87.94	87.16	8201
NBW0710	FEX233YR1D AY	6.71	6.28	0.0000	9.49	9.05	10458
NBW0730	FEX233YR1D AY	6.72	6.29	-0.0001	89.11	82.38	63701
NBW0750	FEX233YR1D AY	7.06	6.89	0.0001	77.55	53.89	71907
NBW0770	FEX233YR1D AY	7.06	6.90	-0.0006	14.80	11.90	8972
NBW0790	FEX233YR1D AY	8.11	7.10	0.0000	12.60	12.20	769
NBW0810	FEX233YR1D AY	7.06	6.90	0.0000	38.74	29.98	18605
NBW0830	FEX233YR1D AY	8.41	7.11	-0.0001	19.81	19.42	1332
NBW0850	FEX233YR1D AY	10.17	7.39	0.0001	18.29	17.80	755
NBW0870	FEX233YR1D AY	7.06	6.90	0.0001	21.36	14.04	54278
NBW0890	FEX233YR1D AY	7.06	6.90	-0.0002	16.56	17.16	1027
NBW0910	FEX233YR1D AY	7.06	6.90	-0.0001	40.91	30.43	70662
NBW0930	FEX233YR1D AY	8.03	7.04	-0.0001	29.11	28.79	1301
NBW0950	FEX233YR1D AY	8.82	7.26	0.0000	29.44	29.11	3380

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW0970	FEX233YR1D AY	8.82	7.29	0.0001	21.29	21.42	3092
NBW0990	FEX233YR1D AY	8.82	7.34	-0.0001	20.98	21.00	785
NBW1010	FEX233YR1D AY	8.83	7.86	0.0000	20.95	20.98	1120
NBW1030	FEX233YR1D AY	9.19	8.51	-0.0001	20.76	20.68	6165
NBW1050	FEX233YR1D AY	9.30	8.96	-0.0001	19.61	19.55	900
NBW1070	FEX233YR1D AY	9.34	9.12	-0.0001	28.78	21.19	40515
NBW1090	FEX233YR1D AY	3.78	3.67	0.0000	373.35	372.27	11814
NBW1130	FEX233YR1D AY	4.51	4.28	-0.0001	13.75	12.67	9580
NBW1150	FEX233YR1D AY	4.53	4.33	0.0000	11.54	9.18	14728
NBW1169	FEX233YR1D AY	4.09	3.96	0.0000	360.41	358.89	15876
NBW1170	FEX233YR1D AY	4.30	4.20	0.0001	356.28	355.72	5824
NBW1190	FEX233YR1D AY	6.13	5.50	-0.0001	10.88	6.84	33184
NBW1210	FEX233YR1D AY	7.17	5.82	-0.0002	35.11	30.84	34766
NBW1230	FEX233YR1D AY	7.17	6.28	-0.0001	40.00	27.63	86106
NBW1250	FEX233YR1D AY	4.74	4.61	0.0001	324.85	323.87	7383
NBW1270	FEX233YR1D AY	6.14	5.68	0.0000	7.16	6.45	7979
NBW1310	FEX233YR1D AY	5.21	5.11	-0.0001	325.22	324.40	7887
NBW1330	FEX233YR1D AY	7.56	7.40	-0.0005	286.83	286.82	3193
NBW1350	FEX233YR1D AY	10.95	9.45	0.0002	23.04	22.73	492
NBW1351	FEX233YR1D AY	8.89	8.69	0.0002	246.04	245.81	8277
NBW1352	FEX233YR1D AY	9.96	9.84	0.0005	241.42	240.19	7956
NBW1353	FEX233YR1D AY	11.01	10.98	0.0005	242.57	234.98	8196
NBW1370	FEX233YR1D AY	10.02	9.77	0.0004	203.28	197.31	6358
NBW1390	FEX233YR1D	15.24	15.13	-0.0004	203.20	193.72	79478

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NBW1410	FEX233YR1D AY	15.58	15.48	0.0003	188.67	184.61	18565
NBW1430	FEX233YR1D AY	15.79	15.70	-0.0002	153.54	160.87	19649
NBW1450	FEX233YR1D AY	16.94	16.82	0.0002	167.31	165.97	98624
NBW1460	FEX233YR1D AY	16.43	16.32	0.0002	149.69	150.44	4273
NBW1470	FEX233YR1D AY	17.14	17.06	-0.0002	167.72	162.46	107441
NBW1480	FEX233YR1D AY	18.11	18.04	0.0001	7.99	4.93	12888
NBW1490	FEX233YR1D AY	17.86	17.72	0.0002	109.85	107.72	19733
NBW1510	FEX233YR1D AY	18.12	17.95	0.0004	134.60	135.85	10278
NBW1530	FEX233YR1D AY	17.92	17.69	0.0001	18.17	12.16	1226
NBW1550	FEX233YR1D AY	17.75	17.47	0.0001	21.14	20.41	8273
NBW1570	FEX233YR1D AY	18.21	18.08	0.0002	132.56	133.33	2604
NBW1590	FEX233YR1D AY	18.12	18.01	0.0001	30.86	28.44	11626
NBW1610	FEX233YR1D AY	18.13	18.03	0.0001	27.00	26.55	3693
NBW1630	FEX233YR1D AY	18.13	18.06	0.0001	13.60	13.48	1639
NBW1650	FEX233YR1D AY	18.81	18.83	0.0001	12.23	11.19	3786
NBW1670	FEX233YR1D AY	18.89	18.89	0.0001	21.57	20.69	5507
NBW1690	FEX233YR1D AY	19.03	18.97	0.0001	12.89	12.74	8043
NBW1710	FEX233YR1D AY	19.26	18.97	0.0001	3.46	1.37	998
NBW1730	FEX233YR1D AY	18.65	18.55	0.0004	122.56	121.21	135131
NBW1750	FEX233YR1D AY	18.82	18.56	-0.0001	82.54	82.07	13663
NBW1770	FEX233YR1D AY	18.82	18.83	0.0001	74.05	65.51	50242
NBW1790	FEX233YR1D AY	18.91	18.91	0.0001	17.05	16.93	1900
NBW1820	FEX233YR1D AY	18.72	18.61	0.0000	36.32	22.03	69528

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW1830	FEX233YR1D AY	18.74	18.62	0.0001	71.53	71.98	1977
NBW1840	FEX233YR1D AY	18.39	18.32	0.0000	54.87	46.09	71373
NBW1850	FEX233YR1D AY	18.74	18.62	-0.0001	70.24	70.68	55289
NBW1860	FEX233YR1D AY	18.39	18.32	-0.0001	8.15	4.91	15470
NBW1870	FEX233YR1D AY	18.72	18.62	-0.0002	24.49	15.76	22740
NBW1890	FEX233YR1D AY	19.06	18.74	0.0002	53.06	53.36	2613
NBW1910	FEX233YR1D AY	19.27	18.82	0.0001	52.79	53.06	1873
NBW1930	FEX233YR1D AY	19.27	18.92	0.0001	52.15	52.41	2455
NBW1950	FEX233YR1D AY	18.97	18.94	0.0001	5.00	2.30	450
NBW1970	FEX233YR1D AY	18.96	18.94	0.0000	6.96	6.87	2246
NBW1990	FEX233YR1D AY	19.27	19.07	0.0001	49.97	50.80	36343
NBW2010	FEX233YR1D AY	19.65	19.22	0.0001	9.09	8.55	1930
NBW2030	FEX233YR1D AY	19.65	19.22	0.0001	7.76	7.81	5500
NBW2050	FEX233YR1D AY	19.26	19.17	0.0001	45.28	46.22	44579
NBW2060	FEX233YR1D AY	0.00	19.46	0.0000	11.85	9.72	23396
NBW2070	FEX233YR1D AY	19.26	19.18	0.0001	45.82	42.63	73107
NBW2090	FEX233YR1D AY	19.10	18.68	0.0001	32.01	31.97	5720
NBW2110	FEX233YR1D AY	18.92	18.39	0.0001	50.07	48.01	64372
NBW2130	FEX233YR1D AY	18.92	18.40	0.0001	23.31	14.31	25662
NBW2140	FEX233YR1D AY	20.00	18.53	-0.0001	4.54	4.74	582
NBW2145	FEX233YR1D AY	0.00	18.89	-0.0003	14.06	31.24	4845
NBW2150	FEX233YR1D AY	19.26	19.43	0.0001	35.00	34.78	10194
NBW2170	FEX233YR1D AY	19.12	19.45	0.0002	14.19	5.08	862
NBW2190	FEX233YR1D	19.10	19.46	0.0002	7.72	3.42	981

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NBW2210	FEX233YR1D AY	19.47	19.51	0.0001	27.81	26.82	2011
NBW2230	FEX233YR1D AY	19.47	19.59	0.0001	21.01	20.01	35890
NBW2250	FEX233YR1D AY	19.51	19.55	0.0001	21.20	21.41	2377
NBW2270	FEX233YR1D AY	19.57	19.59	0.0001	20.73	20.94	2582
NBW2290	FEX233YR1D AY	19.65	19.61	0.0001	20.12	13.80	59359
NBW2310	FEX233YR1D AY	19.82	19.66	-0.0001	16.51	14.07	71354
NBW2330	FEX233YR1D AY	19.82	19.67	-0.0001	14.69	8.67	38526
NBW2350	FEX233YR1D AY	16.05	15.90	0.0001	43.60	43.02	4682
NBW2370	FEX233YR1D AY	16.11	16.08	-0.0001	10.04	7.31	58512
NBW2380	FEX233YR1D AY	12.29	12.37	0.0004	243.05	237.79	10756
NBW2385	FEX233YR1D AY	18.49	18.48	0.0000	2.55	2.54	6453
NBW2387	FEX233YR1D AY	16.11	15.71	0.0000	0.37	0.36	476
NBW2390	FEX233YR1D AY	16.42	16.27	0.0001	30.65	30.58	2672
NBW2410	FEX233YR1D AY	16.59	16.70	0.0001	29.14	28.05	3870
NBW2430	FEX233YR1D AY	16.23	16.70	0.0001	45.34	44.76	7412
NBW2450	FEX233YR1D AY	16.15	16.62	0.0002	158.84	159.33	4396
NBW2470	FEX233YR1D AY	16.43	16.75	0.0001	80.80	78.70	25661
NBW2490	FEX233YR1D AY	16.90	16.97	0.0001	77.02	76.79	6698
NBW2510	FEX233YR1D AY	17.74	17.41	0.0001	73.66	73.19	2032
NBW2530	FEX233YR1D AY	17.92	17.68	0.0001	63.41	63.71	2011
NBW2550	FEX233YR1D AY	17.95	17.70	0.0000	2.10	2.90	450
NBW2570	FEX233YR1D AY	17.96	17.71	0.0000	2.15	2.10	3103
NBW2590	FEX233YR1D AY	18.06	17.86	0.0002	52.03	52.28	1098

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW2610	FEX233YR1D AY	17.00	17.07	-0.0004	93.02	93.93	25086
NBW2630	FEX233YR1D AY	17.98	17.88	0.0001	85.91	86.16	41005
NBW2650	FEX233YR1D AY	16.97	17.04	-0.0002	27.77	28.31	3142
NBW2670	FEX233YR1D AY	16.42	16.57	0.0001	29.58	30.16	1830
NBW2680	FEX233YR1D AY	17.73	17.54	-0.0001	29.85	29.52	6113
NBW2690	FEX233YR1D AY	15.40	15.78	0.0002	240.42	235.56	7486
NBW2710	FEX233YR1D AY	17.73	17.54	-0.0001	2.01	4.28	531
NBW2730	FEX233YR1D AY	18.29	18.07	0.0000	1.43	0.25	4356
NBW2770	FEX233YR1D AY	18.09	18.00	0.0001	13.27	13.31	1309
NBW2775	FEX233YR1D AY	6.59	6.13	0.0000	6.92	5.26	10494
NBW2780	FEX233YR1D AY	18.38	18.30	-0.0003	34.04	26.76	43513
NBW2790	FEX233YR1D AY	18.38	18.32	0.0000	102.79	102.03	77546
NBW2810	FEX233YR1D AY	18.39	18.32	-0.0001	39.52	38.88	66507
NBW2830	FEX233YR1D AY	18.40	18.33	-0.0001	34.48	25.70	95201
NC01	FEX233YR1D AY	0.00	3.79	0.0000	7.38	7.34	699
NC01B	FEX233YR1D AY	0.00	5.72	0.0000	7.99	8.16	3356
NC02	FEX233YR1D AY	0.00	6.90	-0.0001	95.43	95.47	1890
NC03	FEX233YR1D AY	0.00	4.29	-0.0002	104.19	104.18	1200
NC04	FEX233YR1D AY	0.00	3.14	0.0000	16.49	15.62	15501
NC05	FEX233YR1D AY	0.00	3.13	-0.0001	16.28	14.52	25550
NC06	FEX233YR1D AY	0.00	2.98	0.0000	14.21	13.98	7701
NC07	FEX233YR1D AY	0.00	2.56	0.0000	7.06	7.04	437
NC08	FEX233YR1D AY	0.00	2.95	0.0000	12.06	11.97	5706
NCL0010	FEX233YR1D	2.00	2.00	0.0000	488.28	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NCL0030	FEX233YR1D AY	2.36	2.68	-0.0002	459.91	459.88	6856
NCL0050	FEX233YR1D AY	2.36	2.68	0.0000	0.41	1.04	439
NCL0070	FEX233YR1D AY	5.20	4.95	0.0000	57.02	56.43	14932
NCL0090	FEX233YR1D AY	6.06	5.87	-0.0001	31.38	20.73	47685
NCL0110	FEX233YR1D AY	3.04	3.19	-0.0007	540.16	540.14	6623
NCL0130	FEX233YR1D AY	4.05	3.26	-0.0002	99.38	99.41	565
NCL0150	FEX233YR1D AY	4.95	3.78	0.0000	99.42	99.38	2802
NCL0170	FEX233YR1D AY	5.08	3.87	-0.0001	55.31	55.49	1380
NCL0190	FEX233YR1D AY	5.08	3.88	0.0000	1.80	1.65	438
NCL0210	FEX233YR1D AY	5.85	4.17	-0.0001	65.61	65.74	1234
NCL0230	FEX233YR1D AY	6.60	4.46	0.0000	13.40	12.77	566
NCL0250	FEX233YR1D AY	6.60	4.42	0.0000	0.37	0.15	528
NCL0270	FEX233YR1D AY	6.60	5.82	0.0000	3.24	3.23	1041
NCL0290	FEX233YR1D AY	5.90	4.30	-0.0001	49.72	49.82	924
NCL0310	FEX233YR1D AY	6.10	4.87	0.0007	49.68	49.72	1045
NCL0330	FEX233YR1D AY	5.95	4.87	0.0000	1.26	1.42	513
NCL0350	FEX233YR1D AY	6.60	5.42	-0.0002	52.27	49.66	7820
NCL0370	FEX233YR1D AY	7.36	7.05	0.0001	35.53	35.12	6512
NCL0390	FEX233YR1D AY	4.02	4.05	-0.0022	433.76	467.59	4339
NCL0410	FEX233YR1D AY	4.09	4.09	-0.0001	3.89	3.75	819
NCL0430	FEX233YR1D AY	4.23	4.14	0.0000	4.17	3.89	639
NCL0450	FEX233YR1D AY	4.75	4.71	0.0017	426.20	428.43	3676
NCL0470	FEX233YR1D AY	5.43	5.32	-0.0010	422.68	422.80	3437

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL0490	FEX233YR1D AY	6.48	6.28	-0.0006	426.16	428.53	19105
NCL0510	FEX233YR1D AY	6.67	6.38	0.0001	26.46	26.16	1146
NCL0530	FEX233YR1D AY	8.10	7.23	0.0004	40.47	17.06	1181
NCL0550	FEX233YR1D AY	8.17	7.27	-0.0001	18.05	40.47	880
NCL0570	FEX233YR1D AY	8.66	7.40	0.0001	9.45	8.62	841
NCL0590	FEX233YR1D AY	7.00	6.77	0.0007	402.86	402.99	3392
NCL0610	FEX233YR1D AY	7.52	7.28	0.0007	400.80	400.94	3640
NCL0630	FEX233YR1D AY	8.06	7.83	-0.0004	399.98	400.13	4608
NCL0650	FEX233YR1D AY	8.12	7.88	-0.0003	46.68	102.62	1613
NCL0670	FEX233YR1D AY	8.67	8.38	0.0003	132.52	46.68	1695
NCL0690	FEX233YR1D AY	8.76	8.47	0.0002	34.70	35.14	605
NCL0710	FEX233YR1D AY	8.95	8.66	0.0002	34.38	34.19	601
NCL0730	FEX233YR1D AY	9.26	8.98	-0.0001	34.77	34.38	554
NCL0750	FEX233YR1D AY	9.56	9.34	0.0000	52.38	43.85	35541
NCL0770	FEX233YR1D AY	10.12	9.91	0.0000	35.76	35.65	2178
NCL0790	FEX233YR1D AY	8.69	8.40	-0.0003	28.35	101.59	895
NCL0810	FEX233YR1D AY	8.84	8.53	0.0001	28.27	28.35	1379
NCL0830	FEX233YR1D AY	8.93	8.77	-0.0007	361.48	362.84	20049
NCL0850	FEX233YR1D AY	9.01	8.81	0.0001	58.34	55.12	5788
NCL0870	FEX233YR1D AY	9.37	8.88	0.0001	75.58	75.17	2022
NCL0890	FEX233YR1D AY	9.65	8.94	-0.0001	61.88	61.36	1591
NCL0910	FEX233YR1D AY	9.71	8.94	0.0001	4.77	4.02	490
NCL0930	FEX233YR1D AY	9.57	9.05	-0.0001	58.44	57.86	2111
NCL0950	FEX233YR1D	9.89	9.20	0.0001	47.41	46.54	3155

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NCL0970	FEX233YR1D AY	10.41	9.31	0.0000	28.53	24.87	2265
NCL0990	FEX233YR1D AY	11.00	9.43	0.0000	18.78	18.54	1485
NCL1010	FEX233YR1D AY	11.14	9.46	0.0000	4.04	3.92	648
NCL1030	FEX233YR1D AY	9.67	8.90	-0.0002	19.27	33.52	1467
NCL1050	FEX233YR1D AY	10.46	8.91	0.0001	4.75	3.82	622
NCL1070	FEX233YR1D AY	9.30	9.03	0.0001	3.42	2.07	621
NCL1090	FEX233YR1D AY	9.76	9.85	0.0000	32.57	9.43	16697
NCL1110	FEX233YR1D AY	9.85	9.50	0.0001	16.86	16.96	2094
NCL1130	FEX233YR1D AY	9.76	9.85	-0.0001	15.31	16.28	18079
NCL1150	FEX233YR1D AY	9.76	9.85	0.0001	375.76	387.14	160700
NCL1170	FEX233YR1D AY	10.59	10.89	0.0005	369.12	354.66	76082
NCL1190	FEX233YR1D AY	10.72	10.93	0.0001	49.18	48.78	1853
NCL1210	FEX233YR1D AY	10.63	10.92	0.0001	19.62	8.87	43860
NCL1230	FEX233YR1D AY	10.94	10.96	0.0001	49.58	49.18	1432
NCL1250	FEX233YR1D AY	11.11	10.99	0.0001	50.00	49.58	1231
NCL1270	FEX233YR1D AY	11.34	11.03	0.0001	50.43	50.00	1218
NCL1290	FEX233YR1D AY	13.06	11.65	0.0001	29.69	27.90	1408
NCL1310	FEX233YR1D AY	14.77	13.40	0.0000	21.37	21.07	788
NCL1330	FEX233YR1D AY	10.60	10.90	-0.0002	119.84	122.22	72287
NCL1350	FEX233YR1D AY	10.63	10.92	0.0001	120.70	119.02	42946
NCL1370	FEX233YR1D AY	10.63	10.92	-0.0002	11.80	17.32	895
NCL1390	FEX233YR1D AY	10.63	10.92	0.0001	9.21	4.24	581
NCL1410	FEX233YR1D AY	10.63	10.92	0.0001	4.68	1.09	577

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL1430	FEX233YR1D AY	10.70	11.03	0.0005	404.32	362.08	125584
NCL1450	FEX233YR1D AY	10.93	11.56	0.0013	387.66	387.33	3036
NCL1470	FEX233YR1D AY	12.72	12.84	0.0003	326.06	325.61	4426
NCL1490	FEX233YR1D AY	14.45	14.35	0.0000	3.27	3.23	766
NCL1510	FEX233YR1D AY	11.06	11.63	0.0006	47.50	72.43	863
NCL1530	FEX233YR1D AY	12.54	12.34	-0.0003	43.04	41.90	4640
NCL1550	FEX233YR1D AY	13.13	12.87	-0.0001	40.65	40.20	1021
NCL1570	FEX233YR1D AY	13.31	12.92	0.0001	3.97	2.04	504
NCL1590	FEX233YR1D AY	13.70	13.67	0.0000	1.22	1.21	1307
NCL1610	FEX233YR1D AY	13.37	12.93	0.0001	2.22	1.68	469
NCL1630	FEX233YR1D AY	13.57	13.30	-0.0003	53.23	39.18	1892
NCL1650	FEX233YR1D AY	13.68	13.34	0.0002	40.09	52.20	1292
NCL1670	FEX233YR1D AY	14.02	13.37	0.0001	7.71	6.60	696
NCL1690	FEX233YR1D AY	17.47	16.22	0.0000	31.12	31.07	1258
NCL1710	FEX233YR1D AY	17.89	16.49	0.0000	28.87	28.90	614
NCL1730	FEX233YR1D AY	18.27	16.73	-0.0001	24.59	24.69	567
NCL1750	FEX233YR1D AY	18.24	16.74	-0.0001	13.66	13.14	513
NCL1770	FEX233YR1D AY	18.07	16.80	-0.0001	14.41	13.66	482
NCL1790	FEX233YR1D AY	15.78	14.65	0.0002	323.48	322.98	5863
NCL1810	FEX233YR1D AY	18.13	17.92	-0.0001	35.06	31.55	13157
NCL1830	FEX233YR1D AY	18.39	16.41	0.0002	299.40	299.03	6250
NCL1850	FEX233YR1D AY	18.50	16.63	-0.0004	66.81	79.05	910
NCL1870	FEX233YR1D AY	19.01	17.70	0.0001	66.69	66.81	1006
NCL1890	FEX233YR1D	19.15	17.97	-0.0003	66.58	66.69	984

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NCL1910	FEX233YR1D AY	19.15	17.97	0.0000	2.22	0.67	527
NCL1930	FEX233YR1D AY	19.91	19.86	0.0000	3.07	3.07	1567
NCL1950	FEX233YR1D AY	19.15	17.93	0.0000	0.11	0.05	500
NCL1970	FEX233YR1D AY	21.67	21.64	0.0000	1.70	1.69	3103
NCL1990	FEX233YR1D AY	19.58	18.87	-0.0002	66.40	66.47	917
NCL2010	FEX233YR1D AY	19.74	19.23	-0.0001	44.91	43.60	1104
NCL2030	FEX233YR1D AY	19.76	19.28	0.0001	8.03	6.56	8487
NCL2050	FEX233YR1D AY	19.76	19.27	0.0001	41.00	39.43	1411
NCL2070	FEX233YR1D AY	19.76	19.28	0.0001	2.49	1.47	891
NCL2090	FEX233YR1D AY	19.87	19.43	0.0001	42.79	41.00	1414
NCL2110	FEX233YR1D AY	20.03	19.54	-0.0001	18.94	17.89	873
NCL2130	FEX233YR1D AY	19.87	19.44	0.0001	29.44	27.97	6893
NCL2150	FEX233YR1D AY	20.75	20.70	-0.0003	27.89	23.62	79384
NCL2170	FEX233YR1D AY	19.85	19.40	-0.0001	52.38	52.21	4667
NCL2230	FEX233YR1D AY	19.13	17.46	0.0004	244.59	238.80	5806
NCL2250	FEX233YR1D AY	19.55	18.23	-0.0002	233.66	229.87	4443
NCL2270	FEX233YR1D AY	20.05	19.65	0.0001	113.72	111.25	2533
NCL2290	FEX233YR1D AY	19.88	19.64	0.0001	6.02	3.88	967
NCL2310	FEX233YR1D AY	20.45	20.31	0.0001	102.73	101.91	1780
NCL2330	FEX233YR1D AY	20.74	20.76	0.0001	104.04	102.73	52264
NCL2350	FEX233YR1D AY	20.78	20.81	0.0001	94.27	92.88	2283
NCL2370	FEX233YR1D AY	20.81	20.83	0.0000	90.80	89.30	2298
NCL2390	FEX233YR1D AY	20.84	20.87	0.0001	92.61	83.67	61105

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL2410	FEX233YR1D AY	21.07	20.95	0.0000	30.28	29.48	1380
NCL2430	FEX233YR1D AY	21.32	21.04	0.0000	30.80	29.98	1473
NCL2450	FEX233YR1D AY	21.25	21.01	0.0001	4.25	4.10	493
NCL2470	FEX233YR1D AY	20.93	20.90	0.0000	16.02	15.50	846
NCL2490	FEX233YR1D AY	21.54	21.11	0.0001	27.88	26.86	1524
NCL2510	FEX233YR1D AY	21.70	21.14	0.0001	60.93	58.48	62981
NCL2530	FEX233YR1D AY	21.70	21.14	0.0001	29.29	28.31	32024
NCL2540	FEX233YR1D AY	0.00	21.86	0.0000	41.05	40.37	33510
NCL2550	FEX233YR1D AY	21.70	21.14	0.0001	24.56	24.90	9672
NCL2570	FEX233YR1D AY	21.51	21.13	0.0001	15.54	15.84	1503
NCL2580	FEX233YR1D AY	0.00	21.13	0.0001	63.49	61.30	24150
NCL2590	FEX233YR1D AY	21.17	21.13	0.0001	104.89	99.80	97093
NCL2610	FEX233YR1D AY	21.14	21.12	0.0001	70.59	70.33	22126
NCL2630	FEX233YR1D AY	20.86	20.72	0.0001	51.51	50.66	34536
NCL2631	FEX233YR1D AY	0.00	20.34	0.0001	57.62	49.58	32373
NCL2650	FEX233YR1D AY	21.17	21.27	0.0001	62.08	55.51	76098
NCL2670	FEX233YR1D AY	21.93	22.07	0.0001	48.19	54.27	47127
NCL2690	FEX233YR1D AY	21.96	22.19	-0.0001	32.50	41.01	40565
NCL2710	FEX233YR1D AY	21.96	22.23	0.0001	28.05	30.67	52186
NCL2730	FEX233YR1D AY	21.95	22.33	0.0001	21.70	21.82	3459
NCL2750	FEX233YR1D AY	21.84	22.48	0.0001	33.65	33.50	3540
NCL2770	FEX233YR1D AY	21.71	22.19	0.0000	19.15	19.23	1389
NCL2780	FEX233YR1D AY	0.00	22.02	0.0000	8.31	7.80	16981
NCL2790	FEX233YR1D	21.84	22.09	0.0000	80.28	75.31	83560

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NCL2810	FEX233YR1D AY	22.11	22.61	-0.0001	46.83	45.54	14220
NCL2830	FEX233YR1D AY	23.09	22.62	-0.0001	12.09	11.85	1242
NCL2835	FEX233YR1D AY	0.00	23.67	0.0000	7.71	7.83	1089
NCL2840	FEX233YR1D AY	0.00	23.64	0.0000	48.17	47.76	20010
NCL2845	FEX233YR1D AY	0.00	24.18	-0.0001	26.41	25.84	12657
NCL2850	FEX233YR1D AY	20.82	20.86	0.0000	17.77	17.89	1361
NCL2870	FEX233YR1D AY	20.83	20.89	0.0000	17.13	17.25	1246
NCL2890	FEX233YR1D AY	20.83	20.92	-0.0001	15.97	17.13	15714
NCL2910	FEX233YR1D AY	20.83	20.92	0.0000	33.39	30.47	40371
NCL2930	FEX233YR1D AY	19.55	18.26	0.0003	165.55	167.01	2979
NCL2950	FEX233YR1D AY	19.53	18.42	0.0002	164.38	164.89	5717
NCL2970	FEX233YR1D AY	20.49	20.34	0.0002	36.25	35.45	5867
NCL2990	FEX233YR1D AY	19.33	18.52	0.0002	160.01	161.40	5899
NCL3010	FEX233YR1D AY	19.35	18.64	0.0002	154.25	156.16	15619
NCL3030	FEX233YR1D AY	19.58	18.69	0.0002	149.86	152.12	6660
NCL3050	FEX233YR1D AY	19.94	19.68	0.0002	49.38	46.55	14735
NCL3070	FEX233YR1D AY	20.14	20.01	0.0000	26.83	24.87	10741
NCL3090	FEX233YR1D AY	19.59	18.69	0.0002	141.94	144.15	27166
NCL3110	FEX233YR1D AY	19.59	18.90	0.0002	44.56	34.42	34723
NCL3130	FEX233YR1D AY	19.59	18.93	0.0002	17.07	17.23	5964
NCL3150	FEX233YR1D AY	19.54	18.63	0.0002	136.18	136.88	5805
NCL3170	FEX233YR1D AY	19.71	19.83	0.0001	42.46	40.22	7333
NCL3190	FEX233YR1D AY	20.31	20.16	0.0001	43.65	34.87	75946

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL3210	FEX233YR1D AY	20.32	20.16	0.0001	28.28	21.12	36709
NCL3230	FEX233YR1D AY	20.32	20.18	0.0001	13.89	13.32	9990
NCL3250	FEX233YR1D AY	19.11	18.41	0.0002	129.21	129.61	60163
NCL3270	FEX233YR1D AY	19.11	18.58	0.0001	25.43	25.28	1736
NCL3280	FEX233YR1D AY	0.00	18.72	0.0001	23.76	23.18	999
NCL3290	FEX233YR1D AY	20.16	19.32	0.0000	20.65	19.45	1659
NCL3300	FEX233YR1D AY	0.00	19.46	0.0000	2.95	2.41	752
NCL3310	FEX233YR1D AY	20.19	19.29	0.0000	2.32	1.59	752
NCL3330	FEX233YR1D AY	20.75	19.07	0.0000	3.35	3.34	437
NCL3350	FEX233YR1D AY	20.51	20.17	0.0000	17.07	13.20	10061
NCL3360	FEX233YR1D AY	0.00	20.31	0.0000	4.36	3.12	7642
NCL3365	FEX233YR1D AY	0.00	20.04	0.0001	7.52	6.95	12629
NCL3370	FEX233YR1D AY	20.64	20.74	-0.0002	46.93	38.76	74540
NCL3390	FEX233YR1D AY	20.83	20.92	0.0000	44.14	43.32	36854
NCL3410	FEX233YR1D AY	20.83	20.92	0.0001	2.53	2.23	477
NCL3430	FEX233YR1D AY	20.83	20.92	0.0000	2.96	1.07	3577
NCL3450	FEX233YR1D AY	18.92	18.45	0.0008	224.48	200.86	163414
NCL3460	FEX233YR1D AY	18.92	18.43	-0.0008	123.40	131.81	2955
NCL3470	FEX233YR1D AY	19.11	18.48	0.0001	123.69	100.15	156161
NCL3490	FEX233YR1D AY	19.15	18.58	0.0001	60.22	56.67	26143
NCL3510	FEX233YR1D AY	20.64	19.40	0.0001	51.37	50.51	13818
NCL3520	FEX233YR1D AY	0.00	19.27	0.0000	102.91	102.90	15589
NCL3530	FEX233YR1D AY	20.66	20.34	0.0001	61.48	61.00	48652
NCL3550	FEX233YR1D	20.66	20.34	0.0001	4.71	1.90	736

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NCL3570	FEX233YR1D AY	20.66	20.34	0.0001	2.67	1.19	622
NCL3590	FEX233YR1D AY	20.66	20.36	0.0000	1.91	0.96	4356
NCL3610	FEX233YR1D AY	20.66	20.34	0.0001	18.86	17.51	1245
NCL3630	FEX233YR1D AY	20.64	20.34	0.0001	97.59	94.20	98820
NCL3635	FEX233YR1D AY	0.00	20.34	0.0001	14.37	11.24	1727
NCL3640	FEX233YR1D AY	0.00	20.34	0.0001	13.27	12.80	15891
NCL3650	FEX233YR1D AY	18.92	18.44	0.0000	2.62	2.82	500
NCL3670	FEX233YR1D AY	18.92	18.45	0.0000	7.28	7.11	7336
NCL3690	FEX233YR1D AY	18.92	18.45	0.0006	200.86	200.65	3204
NCL3730	FEX233YR1D AY	18.92	18.45	0.0000	228.11	95.16	128806
NCL3740	FEX233YR1D AY	0.00	18.46	0.0000	36.44	31.75	30210
NCL3750	FEX233YR1D AY	18.93	18.55	0.0002	144.99	67.91	139699
NCL3770	FEX233YR1D AY	18.93	18.56	0.0002	51.60	22.72	70251
NCL4000	FEX233YR1D AY	0.00	29.68	0.0000	25.58	25.55	4980
NCL4010	FEX233YR1D AY	0.00	29.38	0.0000	19.59	19.41	12518
NCypEast	FEX233YR1D AY	32.00	29.00	0.0000	5.49	0.00	0
NCypWest	FEX233YR1D AY	32.00	29.93	0.0000	0.00	0.00	0
NOC0010	FEX233YR1D AY	2.00	2.00	0.0000	367.61	3.01	0
NOC0030	FEX233YR1D AY	1.14	2.19	0.0054	367.76	367.61	504
NOC0050	FEX233YR1D AY	1.20	2.32	-0.0064	336.16	336.31	530
NOC0070	FEX233YR1D AY	1.45	2.78	0.0081	328.50	328.16	516
NOC0090	FEX233YR1D AY	2.91	3.00	-0.0011	123.19	123.30	446
NOC0110	FEX233YR1D AY	1.65	2.83	0.0043	195.22	195.56	455

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NOC0130	FEX233YR1D AY	3.06	3.22	-0.0012	195.20	195.22	528
NOC0150	FEX233YR1D AY	3.08	3.23	0.0000	2.17	2.07	499
NOC0170	FEX233YR1D AY	4.56	4.72	0.0000	9.89	9.88	1237
NOC0190	FEX233YR1D AY	5.09	3.83	0.0002	193.24	193.13	1077
NOC0210	FEX233YR1D AY	5.68	4.45	0.0000	19.52	19.01	781
NOC0230	FEX233YR1D AY	5.12	3.86	0.0000	5.82	5.97	742
NOC0250	FEX233YR1D AY	5.30	4.04	0.0000	5.87	5.82	984
NOC0270	FEX233YR1D AY	5.57	4.30	0.0000	3.54	3.18	676
NOC0290	FEX233YR1D AY	5.11	3.90	-0.0001	210.53	210.61	1836
NOC0310	FEX233YR1D AY	5.27	4.02	-0.0001	39.47	39.48	450
NOC0330	FEX233YR1D AY	5.85	4.13	0.0001	171.19	171.08	2431
NOC0350	FEX233YR1D AY	5.89	4.33	-0.0001	128.26	127.68	1837
NOC0370	FEX233YR1D AY	6.47	5.56	-0.0001	75.37	75.62	2022
NOC0390	FEX233YR1D AY	6.60	5.65	-0.0001	47.72	48.02	2171
NOC0410	FEX233YR1D AY	6.95	6.00	0.0000	39.35	39.74	2497
NOC0430	FEX233YR1D AY	7.01	6.15	0.0000	24.93	25.21	1757
NOC0450	FEX233YR1D AY	7.62	6.30	0.0000	17.45	17.80	2392
NOC0470	FEX233YR1D AY	8.12	6.58	0.0000	9.25	9.61	726
NOC0490	FEX233YR1D AY	7.67	6.30	0.0000	3.76	3.50	1051
NRU0010	FEX233YR1D AY	2.00	2.00	0.0000	470.33	0.00	0
NRU0030	FEX233YR1D AY	2.84	2.44	-0.0002	217.42	217.39	2468
NRU0050	FEX233YR1D AY	4.36	3.99	0.0002	222.48	217.42	2036
NRU0070	FEX233YR1D AY	5.61	4.56	0.0006	217.43	222.48	2549
NRU0090	FEX233YR1D	5.66	5.03	-0.0002	38.15	37.70	3561

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NRU0110	FEX233YR1D AY	6.23	4.93	-0.0001	185.99	184.75	5430
NRU0130	FEX233YR1D AY	7.66	5.49	-0.0004	174.12	178.05	2616
NRU0150	FEX233YR1D AY	7.71	5.51	0.0021	150.30	169.60	1430
NRU0160	FEX233YR1D AY	0.00	12.91	0.0000	146.01	146.00	4959
NRU0165	FEX233YR1D AY	0.00	12.98	0.0000	2.97	2.91	474
NRU0170	FEX233YR1D AY	14.45	14.48	0.0003	146.86	143.98	9988
NRU0172	FEX233YR1D AY	0.00	14.56	0.0001	6.73	6.79	830
NRU0174	FEX233YR1D AY	0.00	14.71	0.0001	6.68	6.73	802
NRU0176	FEX233YR1D AY	0.00	15.19	0.0000	6.64	6.68	761
NRU0178	FEX233YR1D AY	0.00	15.80	0.0001	8.34	6.64	957
NRU0180	FEX233YR1D AY	0.00	16.07	0.0001	26.05	13.34	69977
NRU0190	FEX233YR1D AY	14.45	14.76	-0.0002	15.90	16.78	516
NRU0210	FEX233YR1D AY	14.45	14.96	0.0001	14.51	13.21	602
NRU0230	FEX233YR1D AY	13.39	15.00	0.0000	11.85	8.93	16626
NRU0250	FEX233YR1D AY	14.62	14.69	0.0001	117.52	117.32	4464
NRU0270	FEX233YR1D AY	15.05	15.46	0.0001	106.57	106.57	2598
NRU0290	FEX233YR1D AY	16.30	17.08	0.0001	18.61	18.54	623
NRU0310	FEX233YR1D AY	16.13	16.12	0.0001	90.84	91.31	2501
NRU0330	FEX233YR1D AY	18.25	17.43	0.0001	30.37	30.84	1352
NRU0335	FEX233YR1D AY	0.00	18.83	0.0000	5.28	4.30	1326
NRU0340	FEX233YR1D AY	0.00	18.36	0.0001	33.24	33.22	16163
NRU0343	FEX233YR1D AY	0.00	19.10	0.0001	10.53	9.47	904
NRU0345	FEX233YR1D AY	0.00	19.35	0.0001	19.40	15.76	51526

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0350	FEX233YR1D AY	19.50	18.70	0.0001	16.40	16.71	978
NRU0370	FEX233YR1D AY	19.51	18.88	0.0001	15.04	15.62	8431
NRU0380	FEX233YR1D AY	23.33	18.91	-0.0001	7.76	8.07	470
NRU0390	FEX233YR1D AY	27.00	18.92	0.0000	11.31	7.76	24541
NRU0410	FEX233YR1D AY	19.56	19.06	0.0001	9.69	10.03	1100
NRU0425	FEX233YR1D AY	15.53	15.53	0.0001	6.01	5.03	4902
NRU0430	FEX233YR1D AY	19.61	19.20	0.0001	9.46	9.69	1077
NRU0450	FEX233YR1D AY	19.66	19.37	0.0001	9.29	9.46	1038
NRU0470	FEX233YR1D AY	19.72	20.09	0.0001	9.55	9.29	799
NRU0490	FEX233YR1D AY	20.36	20.51	0.0001	8.45	5.67	7166
NRU0495	FEX233YR1D AY	0.00	20.82	-0.0001	5.82	5.09	2539
NRU0500	FEX233YR1D AY	0.00	21.22	0.0000	1.65	1.64	4752
NRU0510	FEX233YR1D AY	19.67	20.09	-0.0001	12.01	6.57	56313
NRU0530	FEX233YR1D AY	16.95	16.82	0.0001	61.87	61.97	2252
NRU0550	FEX233YR1D AY	17.92	17.57	0.0001	61.77	61.87	31587
NRU0570	FEX233YR1D AY	18.16	17.71	0.0001	60.23	60.32	1523
NRU0590	FEX233YR1D AY	18.51	17.91	0.0001	59.44	59.52	1745
NRU0610	FEX233YR1D AY	18.78	18.10	0.0001	59.03	59.12	2456
NRU0612	FEX233YR1D AY	0.00	18.13	0.0001	55.96	56.04	1569
NRU0615	FEX233YR1D AY	0.00	19.18	0.0001	11.27	8.61	1931
NRU0616	FEX233YR1D AY	0.00	20.08	0.0000	5.91	5.01	6706
NRU0618	FEX233YR1D AY	0.00	20.41	0.0000	6.48	4.16	14410
NRU0620	FEX233YR1D AY	0.00	19.72	0.0001	10.01	7.09	14885
NRU0630	FEX233YR1D	18.79	18.16	0.0001	54.72	54.79	2176

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NRU0650	FEX233YR1D AY	18.79	18.18	0.0001	54.18	54.26	1809
NRU0670	FEX233YR1D AY	18.78	18.20	0.0001	53.24	53.32	1429
NRU0690	FEX233YR1D AY	18.84	18.22	0.0001	53.16	53.24	4310
NRU0710	FEX233YR1D AY	18.86	18.29	0.0001	59.52	58.13	18659
NRU0730	FEX233YR1D AY	18.85	18.34	0.0001	16.65	14.51	13864
NRU0740	FEX233YR1D AY	0.00	18.34	0.0001	62.89	60.99	25720
NRU0745	FEX233YR1D AY	0.00	18.36	0.0001	64.73	52.70	36057
NRU0750	FEX233YR1D AY	18.87	18.36	0.0001	96.68	46.00	177192
NRU0770	FEX233YR1D AY	18.88	18.36	0.0001	31.21	28.17	1008
NRU0785	FEX233YR1D AY	0.00	18.36	0.0001	45.44	43.57	42627
NRU0790	FEX233YR1D AY	18.88	18.36	0.0001	62.90	59.33	90110
NRU0810	FEX233YR1D AY	18.88	18.36	0.0001	16.74	14.80	10739
NRU0820	FEX233YR1D AY	0.00	18.36	0.0003	5.02	2.74	442
NRU0830	FEX233YR1D AY	18.99	18.40	-0.0001	25.36	25.66	22106
NRU0850	FEX233YR1D AY	19.11	18.45	0.0001	52.29	52.24	1187
NRU0870	FEX233YR1D AY	19.32	18.46	-0.0007	15.37	15.51	560
NRU0890	FEX233YR1D AY	19.35	18.47	0.0000	45.67	16.02	60843
NRU0910	FEX233YR1D AY	19.35	18.47	0.0000	0.97	0.70	573
NRU0930	FEX233YR1D AY	19.35	19.42	0.0000	1.09	0.97	1742
NRU0950	FEX233YR1D AY	19.11	18.46	0.0001	44.03	40.73	28907
NRU0955	FEX233YR1D AY	0.00	18.46	0.0001	50.21	46.05	38355
NRU0960	FEX233YR1D AY	0.00	18.48	0.0001	64.64	64.38	27914
NRU0965	FEX233YR1D AY	0.00	18.48	0.0001	75.82	75.29	39319

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0970	FEX233YR1D AY	19.34	18.46	0.0001	11.15	8.78	38946
NRU0980	FEX233YR1D AY	0.00	18.47	0.0011	10.45	7.70	1097
NRU0990	FEX233YR1D AY	19.39	18.47	0.0008	33.95	33.57	440
NRU1010	FEX233YR1D AY	19.70	18.48	-0.0002	34.35	33.95	1849
NRU1015	FEX233YR1D AY	0.00	18.88	-0.0001	9.88	9.54	1687
NRU1020	FEX233YR1D AY	0.00	19.79	-0.0060	12.36	46.83	866
NRU1025	FEX233YR1D AY	0.00	19.22	0.0000	7.19	7.06	724
NRU1030	FEX233YR1D AY	19.70	18.48	0.0001	49.17	33.83	70460
NRU1035	FEX233YR1D AY	0.00	18.75	0.0000	3.60	3.30	436
NRU1037	FEX233YR1D AY	0.00	18.49	0.0000	1.25	0.81	640
NRU1040	FEX233YR1D AY	0.00	18.48	0.0001	40.41	27.45	31037
NRU1045	FEX233YR1D AY	0.00	19.83	-0.0001	10.22	9.49	1465
NRU1046	FEX233YR1D AY	0.00	19.81	0.0060	9.49	8.76	931
NRU1050	FEX233YR1D AY	19.70	18.49	0.0001	39.52	36.43	32908
NRU1070	FEX233YR1D AY	19.83	18.86	0.0000	15.76	15.33	1384
NRU1090	FEX233YR1D AY	18.86	18.36	0.0001	13.75	13.18	919
NRU1110	FEX233YR1D AY	18.86	18.36	0.0001	34.52	27.63	55798
NRU1130	FEX233YR1D AY	18.86	18.36	0.0001	10.45	9.02	771
NRU1150	FEX233YR1D AY	18.86	18.36	0.0001	21.43	20.96	28877
NRU1170	FEX233YR1D AY	18.86	18.75	0.0001	16.17	14.53	15680
NRU1182	FEX233YR1D AY	0.00	18.38	0.0001	9.17	8.73	1208
NRU1184	FEX233YR1D AY	0.00	18.39	0.0001	8.89	8.83	873
NRU1185	FEX233YR1D AY	0.00	18.79	0.0001	7.29	5.16	12787
NRU1186	FEX233YR1D	0.00	18.39	0.0001	5.67	4.37	791

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft ²]
	AY						
NRU1188	FEX233YR1D AY	0.00	18.39	0.0000	5.33	2.82	31184
NRU1190	FEX233YR1D AY	18.86	18.83	0.0001	5.80	3.27	576
NRU1210	FEX233YR1D AY	18.86	18.88	0.0001	10.63	6.71	908
NRU1220	FEX233YR1D AY	0.00	19.85	0.0000	9.02	8.06	7396
NRU1225	FEX233YR1D AY	0.00	20.38	0.0000	2.33	2.26	436
NRU1230	FEX233YR1D AY	18.88	18.36	0.0001	12.81	10.88	880
NRU1232	FEX233YR1D AY	0.00	18.36	0.0001	8.90	8.49	865
NRU1234	FEX233YR1D AY	0.00	18.32	0.0001	9.84	9.83	5877
NRU1240	FEX233YR1D AY	0.00	18.30	0.0001	15.76	15.75	5694
NRU1250	FEX233YR1D AY	4.07	4.13	-0.0002	253.32	253.30	2104
NRU1270	FEX233YR1D AY	4.78	4.74	0.0001	251.45	251.44	1667
NRU1290	FEX233YR1D AY	5.41	5.28	-0.0001	244.57	244.59	3103
NRU1310	FEX233YR1D AY	6.42	6.07	0.0000	244.59	244.57	5053
NRU1330	FEX233YR1D AY	8.29	7.61	0.0000	249.06	248.95	3357
NRU1350	FEX233YR1D AY	9.32	8.65	0.0000	246.66	246.64	2409
NRU1370	FEX233YR1D AY	11.03	9.87	0.0000	243.61	243.60	5323
NRU1390	FEX233YR1D AY	11.84	10.53	0.0000	39.32	38.44	1238
NRU1410	FEX233YR1D AY	12.56	10.98	0.0000	204.64	205.21	7198
NRU1430	FEX233YR1D AY	15.53	15.53	-0.0001	44.44	29.32	30601
NRU1450	FEX233YR1D AY	15.94	15.91	0.0001	25.75	25.26	3335
NRU1470	FEX233YR1D AY	15.97	15.94	0.0001	5.57	5.58	981
NRU1490	FEX233YR1D AY	16.09	16.09	0.0001	6.00	5.57	2101
NRU1510	FEX233YR1D AY	15.12	12.62	0.0000	139.00	139.16	10558

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1530	FEX233YR1D AY	15.71	14.60	-0.0001	73.28	73.66	2452
NRU1550	FEX233YR1D AY	15.40	14.93	0.0000	55.55	54.20	1677
NRU1570	FEX233YR1D AY	16.20	15.83	0.0000	49.36	47.84	1398
NRU1590	FEX233YR1D AY	16.40	15.92	0.0000	4.94	4.35	1286
NRU1610	FEX233YR1D AY	16.56	16.32	0.0001	42.90	41.39	1573
NRU1630	FEX233YR1D AY	16.69	16.57	0.0001	28.95	28.79	1538
NRU1650	FEX233YR1D AY	16.84	16.77	0.0001	31.83	28.95	1066
NRU1670	FEX233YR1D AY	16.89	16.82	0.0001	39.28	28.01	70473
NRU1690	FEX233YR1D AY	16.89	16.81	0.0001	32.27	31.86	2551
NRU1710	FEX233YR1D AY	16.60	16.40	0.0001	29.72	29.57	1327
NRU1730	FEX233YR1D AY	16.58	16.09	0.0000	63.11	19.73	100771
NRU1750	FEX233YR1D AY	16.58	16.09	-0.0002	17.65	17.31	720
NRU1770	FEX233YR1D AY	16.58	16.09	0.0000	19.87	19.76	1091
NRU1790	FEX233YR1D AY	17.21	16.53	0.0000	5.21	5.00	753
NRU1810	FEX233YR1D AY	16.58	16.09	0.0000	4.00	3.99	15094
NRU1830	FEX233YR1D AY	17.12	16.52	0.0000	13.03	12.91	602
NRU1850	FEX233YR1D AY	17.07	16.98	0.0001	21.57	21.34	1047
NRU1870	FEX233YR1D AY	17.20	17.08	0.0001	21.83	21.57	908
NRU1890	FEX233YR1D AY	17.38	17.22	0.0001	31.11	21.83	10807
NRU1910	FEX233YR1D AY	17.71	17.52	0.0001	12.69	12.03	1684
NRU1930	FEX233YR1D AY	15.71	14.63	-0.0001	44.14	44.37	1580
NRU1950	FEX233YR1D AY	16.43	15.06	0.0000	43.11	43.19	1646
NRU1970	FEX233YR1D AY	16.86	15.33	0.0000	43.04	43.11	1037
NRU1990	FEX233YR1D	17.09	15.48	0.0000	42.97	43.04	1720

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NRU2010	FEX233YR1D AY	18.02	16.20	0.0000	9.90	9.71	1370
NRU2030	FEX233YR1D AY	18.39	16.53	0.0001	7.87	6.73	679
NRU2050	FEX233YR1D AY	18.40	16.56	0.0000	2.62	2.98	453
NRU2070	FEX233YR1D AY	18.41	17.73	0.0000	2.63	2.62	436
NRU2090	FEX233YR1D AY	17.16	15.53	0.0000	31.20	31.29	983
NRU2110	FEX233YR1D AY	17.28	15.61	0.0000	30.25	30.31	1563
NRU2130	FEX233YR1D AY	17.49	15.80	0.0000	29.83	29.85	1851
NRU2150	FEX233YR1D AY	17.69	16.15	0.0000	5.07	4.73	1044
NRU2170	FEX233YR1D AY	17.07	16.40	0.0000	2.05	2.32	771
NRU2190	FEX233YR1D AY	17.08	16.47	0.0000	5.70	2.05	25700
NRU2210	FEX233YR1D AY	17.33	15.80	0.0001	3.15	2.57	538
NRU2230	FEX233YR1D AY	17.33	16.25	0.0000	10.13	0.05	76635
NRU2250	FEX233YR1D AY	17.31	16.25	0.0001	1.39	1.29	9787
NRU2270	FEX233YR1D AY	17.61	15.87	0.0000	23.87	23.87	1283
NRU2290	FEX233YR1D AY	17.67	15.90	0.0000	18.05	18.16	1150
NRU2310	FEX233YR1D AY	17.68	15.91	0.0000	12.42	12.71	1271
NRU2330	FEX233YR1D AY	17.68	15.93	0.0001	12.34	6.59	757
NRU2350	FEX233YR1D AY	17.68	15.93	-0.0001	2.70	9.55	654
NRU2370	FEX233YR1D AY	17.37	16.17	0.0000	2.78	2.70	528
NRU2390	FEX233YR1D AY	17.36	16.40	0.0000	4.05	2.78	29448
NRU2410	FEX233YR1D AY	17.72	15.93	0.0000	6.53	4.69	1098
NRU2430	FEX233YR1D AY	17.83	15.94	0.0000	5.03	4.09	925
NRU2450	FEX233YR1D AY	18.06	15.94	0.0000	2.58	0.70	588

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU2470	FEX233YR1D AY	15.72	14.59	0.0000	7.98	4.70	1457
NRU2490	FEX233YR1D AY	15.75	14.59	0.0000	4.85	1.15	1418
NRU2510	FEX233YR1D AY	15.75	14.49	0.0000	1.04	0.62	928
NRU2530	FEX233YR1D AY	15.76	14.49	0.0000	0.62	0.13	572
NRU2550	FEX233YR1D AY	16.53	13.20	0.0000	47.97	46.50	2428
NRU2570	FEX233YR1D AY	17.71	14.23	0.0000	41.87	40.34	2093
NRU2590	FEX233YR1D AY	18.30	15.17	0.0000	31.11	29.88	1428
NRU2610	FEX233YR1D AY	18.62	15.77	0.0000	30.96	29.69	1170
NRU2630	FEX233YR1D AY	19.41	16.69	0.0000	22.06	20.69	1128
NRU2650	FEX233YR1D AY	19.54	17.41	0.0000	11.11	9.57	927
NRU2670	FEX233YR1D AY	16.64	16.13	0.0000	22.21	22.46	2044
NRU2690	FEX233YR1D AY	17.09	16.90	-0.0001	108.32	80.17	158275
NSH02	FEX233YR1D AY	0.00	19.87	0.0000	8.06	7.85	1307
NSH03	FEX233YR1D AY	0.00	19.99	0.0000	0.22	0.00	548
NSH04	FEX233YR1D AY	0.00	14.98	0.0000	57.22	56.33	4615
NSH05	FEX233YR1D AY	0.00	19.38	-0.0030	3.82	3.62	1481
NSH07	FEX233YR1D AY	0.00	6.19	-0.0001	14.84	14.44	623
NSH08	FEX233YR1D AY	0.00	7.30	0.0000	12.79	12.56	1922
NSH09	FEX233YR1D AY	0.00	9.58	0.0001	35.19	26.73	8331
NSH10	FEX233YR1D AY	0.00	18.99	0.0000	10.00	9.81	22651
NSH11	FEX233YR1D AY	0.00	21.04	0.0000	4.55	4.42	6151
NSH12	FEX233YR1D AY	0.00	19.07	0.0000	4.20	4.02	7452
NSH13	FEX233YR1D AY	0.00	17.88	0.0000	13.85	13.45	16923
NSH14	FEX233YR1D	0.00	17.78	0.0000	6.34	6.10	10671

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NSH15	FEX233YR1D AY	0.00	18.67	0.0000	3.23	3.21	5533
NSH17	FEX233YR1D AY	0.00	17.16	0.0000	14.38	14.33	7952
NSH18	FEX233YR1D AY	0.00	15.73	0.0000	13.59	13.53	8771
NSH19	FEX233YR1D AY	0.00	11.54	0.0000	11.30	11.19	9968
NSH20	FEX233YR1D AY	0.00	20.16	0.0000	1.95	1.77	10634
NSH21	FEX233YR1D AY	0.00	10.23	0.0000	7.78	7.06	587
NSH22	FEX233YR1D AY	0.00	14.12	0.0000	22.66	21.28	6786
NSH23	FEX233YR1D AY	0.00	18.13	0.0000	6.40	6.35	2634
NSH24	FEX233YR1D AY	0.00	14.12	0.0000	14.83	13.65	6085
NSH25	FEX233YR1D AY	0.00	13.92	0.0000	10.23	9.25	7545
NSH26	FEX233YR1D AY	0.00	13.79	0.0001	51.71	44.03	49821
NSH27	FEX233YR1D AY	0.00	12.74	0.0000	8.81	3.95	26613
NSH27A	FEX233YR1D AY	0.00	12.63	0.0000	18.57	17.43	921
NSH27AA	FEX233YR1D AY	0.00	12.66	0.0000	3.95	4.28	554
NSH27B	FEX233YR1D AY	0.00	11.31	0.0001	17.43	18.82	1033
NSH27C	FEX233YR1D AY	0.00	9.06	-0.0001	18.82	17.39	1037
NSH28	FEX233YR1D AY	0.00	9.19	0.0000	9.09	6.62	7802
NSH29	FEX233YR1D AY	0.00	7.43	-0.0001	6.71	11.85	648
NSH31	FEX233YR1D AY	0.00	9.17	0.0001	6.62	4.41	480
NSH33	FEX233YR1D AY	0.00	16.60	0.0000	3.03	2.96	4722
NSH34	FEX233YR1D AY	0.00	8.97	0.0000	21.67	21.51	1196
NSH35	FEX233YR1D AY	0.00	7.81	0.0000	10.55	10.48	2661
NSH36	FEX233YR1D AY	0.00	7.78	-0.0002	21.78	21.45	805

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSH37	FEX233YR1D AY	0.00	17.99	0.0000	9.00	8.95	6644
NSH41	FEX233YR1D AY	0.00	18.91	0.0000	2.74	2.71	436
NSH42	FEX233YR1D AY	0.00	2.60	0.0001	29.78	29.76	447
NSH43	FEX233YR1D AY	0.00	2.82	0.0001	26.77	26.77	507
NSH44	FEX233YR1D AY	0.00	9.39	-0.0001	25.95	25.94	670
NSH45	FEX233YR1D AY	0.00	16.26	0.0000	25.19	24.86	18696
NSH48	FEX233YR1D AY	0.00	18.16	0.0000	8.55	8.52	2620
NSH49	FEX233YR1D AY	0.00	20.68	0.0000	9.81	9.10	12872
NSH50	FEX233YR1D AY	0.00	16.39	0.0001	25.42	20.85	2345
NSH51	FEX233YR1D AY	0.00	16.01	0.0000	18.13	18.22	952
NSH52	FEX233YR1D AY	0.00	15.49	-0.0001	50.09	49.64	1772
NSH53	FEX233YR1D AY	0.00	15.55	-0.0002	18.22	16.60	1023
NSH54	FEX233YR1D AY	0.00	15.29	0.0000	51.62	50.84	1343
NSH55	FEX233YR1D AY	0.00	15.51	0.0000	26.38	26.42	1595
NSH56	FEX233YR1D AY	0.00	16.35	0.0000	25.81	25.81	879
NSH57	FEX233YR1D AY	0.00	17.67	0.0000	25.86	25.81	460
NSH60	FEX233YR1D AY	0.00	18.13	0.0000	8.60	8.27	436
NSH61	FEX233YR1D AY	0.00	16.43	-0.0003	5.24	16.49	444
NSH65	FEX233YR1D AY	0.00	19.59	0.0000	1.61	1.60	436
NSH75	FEX233YR1D AY	0.00	3.32	0.0000	28.05	26.27	5531
NSH80	FEX233YR1D AY	0.00	20.19	0.0000	2.35	1.89	9317
NSH81	FEX233YR1D AY	0.00	20.12	0.0000	0.19	0.00	1742
NSH82	FEX233YR1D AY	0.00	20.67	0.0000	1.10	0.00	4792
NSH83	FEX233YR1D	0.00	20.53	0.0000	10.66	10.06	12288

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NSR0000	FEX233YR1D AY	2.00	2.00	0.0000	250.22	5.17	0
NSR0005	FEX233YR1D AY	2.00	2.00	0.0000	3.85	0.00	0
NSR0010	FEX233YR1D AY	2.00	2.00	0.0000	294.51	0.00	0
NSR0030	FEX233YR1D AY	2.92	2.86	0.0000	307.67	294.51	215144
NSR0032	FEX233YR1D AY	4.88	4.85	0.0000	6.94	2.89	16519
NSR0034	FEX233YR1D AY	3.63	3.54	0.0000	34.59	33.37	10964
NSR0050	FEX233YR1D AY	3.44	3.32	0.0000	291.97	283.27	82108
NSR0070	FEX233YR1D AY	3.45	3.34	-0.0001	23.35	22.06	15603
NSR0090	FEX233YR1D AY	3.68	3.56	-0.0001	21.27	19.93	6308
NSR0100	FEX233YR1D AY	2.25	2.23	0.0000	3.87	3.85	524
NSR0102	FEX233YR1D AY	4.24	4.25	0.0000	2.76	2.45	2188
NSR0105	FEX233YR1D AY	1.91	2.64	0.0176	250.25	250.22	484
NSR0110	FEX233YR1D AY	3.93	3.65	0.0000	11.01	10.74	448
NSR0112	FEX233YR1D AY	2.31	2.92	-0.0155	249.08	249.04	457
NSR0115	FEX233YR1D AY	4.25	4.27	0.0000	1.51	1.14	6734
NSR0120	FEX233YR1D AY	2.62	3.14	0.0111	246.57	246.61	479
NSR0130	FEX233YR1D AY	4.16	3.84	0.0000	6.15	5.84	445
NSR0135	FEX233YR1D AY	4.22	3.90	0.0000	2.40	1.92	438
NSR0140	FEX233YR1D AY	3.28	3.62	0.0047	244.03	244.03	477
NSR0150	FEX233YR1D AY	3.64	3.49	0.0003	273.55	271.47	28355
NSR0160	FEX233YR1D AY	3.56	3.82	0.0041	242.05	242.11	1443
NSR0165	FEX233YR1D AY	4.03	3.57	0.0000	2.07	1.72	440
NSR0170	FEX233YR1D AY	3.70	3.50	0.0000	3.65	2.43	1748

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0180	FEX233YR1D AY	3.83	3.71	0.0000	4.37	4.04	1798
NSR0190	FEX233YR1D AY	4.04	3.50	-0.0001	14.55	14.23	1310
NSR0210	FEX233YR1D AY	4.26	3.50	-0.0001	13.01	12.52	1573
NSR0230	FEX233YR1D AY	4.26	3.51	0.0000	13.28	10.31	5996
NSR0250	FEX233YR1D AY	3.93	3.75	-0.0069	265.69	264.95	12764
NSR0270	FEX233YR1D AY	3.98	3.79	0.0000	29.23	28.83	6020
NSR0280	FEX233YR1D AY	5.41	5.32	0.0007	197.50	196.82	1094
NSR0281	FEX233YR1D AY	5.97	5.84	0.0004	197.47	190.94	4724
NSR0290	FEX233YR1D AY	6.70	5.96	0.0004	54.61	54.57	5875
NSR0310	FEX233YR1D AY	9.28	9.13	-0.0001	49.33	46.76	33746
NSR0330	FEX233YR1D AY	9.65	9.38	0.0001	5.95	6.53	470
NSR0350	FEX233YR1D AY	10.32	9.86	0.0001	6.56	5.95	446
NSR0370	FEX233YR1D AY	10.35	10.10	0.0000	6.64	6.56	4788
NSR0390	FEX233YR1D AY	11.96	11.10	0.0001	20.76	20.68	2045
NSR0410	FEX233YR1D AY	12.27	11.58	0.0001	4.54	4.51	510
NSR0430	FEX233YR1D AY	12.28	12.03	0.0000	5.50	4.54	14949
NSR0450	FEX233YR1D AY	13.04	11.77	-0.0001	12.70	12.38	1271
NSR0470	FEX233YR1D AY	13.10	11.81	0.0000	7.78	7.39	1156
NSR0490	FEX233YR1D AY	4.41	4.29	-0.0092	105.81	105.10	13910
NSR0510	FEX233YR1D AY	4.48	4.41	-0.0016	46.06	46.31	8458
NSR0530	FEX233YR1D AY	4.55	4.44	0.0002	6.51	6.14	791
NSR0540	FEX233YR1D AY	4.55	4.53	0.0003	45.25	41.09	39664
NSR0550	FEX233YR1D AY	4.56	4.54	0.0020	277.43	277.43	5315
NSR0560	FEX233YR1D	4.66	4.62	0.0002	85.69	88.77	39450

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NSR0570	FEX233YR1D AY	5.28	5.20	0.0001	79.81	80.80	30161
NSR0580	FEX233YR1D AY	6.13	5.96	-0.0001	12.50	7.45	43873
NSR0590	FEX233YR1D AY	6.15	5.97	-0.0001	78.48	76.93	26297
NSR0610	FEX233YR1D AY	6.26	6.04	0.0001	17.52	18.04	38317
NSR0630	FEX233YR1D AY	6.26	6.03	0.0001	16.66	16.74	475
NSR0650	FEX233YR1D AY	6.25	6.03	0.0000	21.54	16.66	111683
NSR0660	FEX233YR1D AY	6.13	4.61	0.0000	4.55	4.07	565
NSR0670	FEX233YR1D AY	6.24	6.02	0.0001	7.06	7.84	520
NSR0680	FEX233YR1D AY	6.14	6.01	-0.0001	11.23	6.51	70386
NSR0690	FEX233YR1D AY	6.24	6.02	-0.0001	6.59	7.06	599
NSR0710	FEX233YR1D AY	6.23	6.02	0.0000	6.51	6.59	861
NSR0730	FEX233YR1D AY	6.29	6.18	0.0000	103.44	81.10	120698
NSR0770	FEX233YR1D AY	6.81	6.66	0.0001	83.15	82.06	4277
NSR0780	FEX233YR1D AY	6.74	6.68	-0.0001	6.77	5.24	10902
NSR0790	FEX233YR1D AY	8.35	8.07	0.0002	282.13	262.99	23821
NSR0791	FEX233YR1D AY	7.13	6.93	0.0002	186.67	188.72	5596
NSR0809	FEX233YR1D AY	12.76	9.85	-0.0004	69.30	94.11	2127
NSR0810	FEX233YR1D AY	13.45	13.33	-0.0003	109.97	109.27	59924
NSR0830	FEX233YR1D AY	15.10	15.05	-0.0002	108.59	104.57	101105
NSR0840	FEX233YR1D AY	16.09	16.03	0.0001	14.33	14.36	30570
NSR0850	FEX233YR1D AY	15.64	15.58	-0.0004	75.13	72.10	64320
NSR0860	FEX233YR1D AY	16.41	16.39	0.0000	5.49	5.35	6329
NSR0869	FEX233YR1D AY	16.03	16.02	0.0001	30.21	30.02	1505

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0870	FEX233YR1D AY	16.24	16.27	0.0001	57.07	57.22	26546
NSR0880	FEX233YR1D AY	16.24	16.28	0.0000	19.04	18.56	9148
NSR0881	FEX233YR1D AY	14.14	14.40	0.0004	242.85	225.40	13396
NSR0890	FEX233YR1D AY	4.02	3.84	0.1109	244.83	287.19	29826
NSR0910	FEX233YR1D AY	4.79	4.51	-0.0038	157.31	156.56	6020
NSR0930	FEX233YR1D AY	5.54	4.58	0.0000	33.22	13.29	77837
NSR0950	FEX233YR1D AY	5.63	5.36	0.0009	155.31	154.10	11563
NSR0970	FEX233YR1D AY	6.14	5.80	-0.0002	130.94	131.06	3616
NSR0990	FEX233YR1D AY	6.27	5.92	-0.0002	137.75	137.91	3845
NSR1010	FEX233YR1D AY	6.30	5.95	0.0000	18.59	18.36	5852
NSR1030	FEX233YR1D AY	8.54	8.16	0.0001	119.41	119.44	9024
NSR1050	FEX233YR1D AY	8.56	8.16	0.0000	15.67	4.54	17923
NSR1070	FEX233YR1D AY	9.58	9.44	-0.0004	137.54	136.73	19525
NSR1090	FEX233YR1D AY	11.30	11.27	0.0004	121.51	121.57	7627
NSR1110	FEX233YR1D AY	11.57	11.56	0.0000	1.64	1.63	2862
NSR1130	FEX233YR1D AY	11.29	11.26	0.0000	14.03	13.14	13270
NSR1150	FEX233YR1D AY	11.39	11.28	0.0000	4.16	4.01	5151
NSR1170	FEX233YR1D AY	11.38	11.28	0.0000	4.01	3.28	451
NSR1190	FEX233YR1D AY	12.70	12.75	0.0000	120.82	120.79	12428
NSR1210	FEX233YR1D AY	12.70	12.76	-0.0001	14.08	10.75	51577
NSR1230	FEX233YR1D AY	14.76	14.68	0.0000	120.22	120.08	9407
NSR1270	FEX233YR1D AY	14.99	14.92	0.0000	120.53	120.30	6127
NSR1290	FEX233YR1D AY	14.99	14.92	0.0000	6.08	2.42	15157
NSR1310	FEX233YR1D	14.99	14.92	0.0000	17.54	15.49	32468

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NSR1330	FEX233YR1D AY	15.44	15.33	0.0000	122.72	119.22	20787
NSR1350	FEX233YR1D AY	15.45	15.34	0.0000	19.71	19.37	17333
NSR1370	FEX233YR1D AY	15.56	15.46	0.0000	114.91	108.64	20962
NSR1390	FEX233YR1D AY	15.56	15.46	0.0000	2.30	2.30	3049
NSR1410	FEX233YR1D AY	15.56	15.46	0.0003	23.30	21.74	2383
NSR1430	FEX233YR1D AY	15.76	15.65	0.0000	27.52	26.99	7775
NSR1450	FEX233YR1D AY	15.74	15.63	0.0000	30.63	25.59	57824
NSR1470	FEX233YR1D AY	15.96	15.86	0.0000	26.20	25.82	22018
NSR1490	FEX233YR1D AY	16.21	16.12	0.0000	41.45	23.21	104528
NSR1510	FEX233YR1D AY	16.21	16.12	0.0000	25.40	17.34	27089
NSR1530	FEX233YR1D AY	15.56	15.46	0.0001	3.45	2.03	3180
NSR1550	FEX233YR1D AY	15.68	15.58	0.0000	115.69	103.11	32288
NSR1570	FEX233YR1D AY	15.68	15.58	-0.0001	2.42	0.95	1228
NSR1590	FEX233YR1D AY	15.68	15.58	-0.0001	29.90	32.90	8535
NSR1610	FEX233YR1D AY	15.75	15.67	-0.0001	12.81	11.97	6158
NSR1630	FEX233YR1D AY	15.75	15.67	0.0000	89.94	79.56	18988
NSR1650	FEX233YR1D AY	16.39	17.06	0.0000	1.94	1.94	436
NSR1670	FEX233YR1D AY	15.92	15.92	-0.0003	18.14	15.70	21523
NSR1690	FEX233YR1D AY	16.24	16.10	0.0000	86.35	71.87	18791
NSR1710	FEX233YR1D AY	16.25	16.12	0.0000	4.98	4.33	881
NSR1730	FEX233YR1D AY	16.32	16.19	0.0000	86.46	81.10	8711
NSR1750	FEX233YR1D AY	16.68	16.67	0.0000	2.04	2.04	436
NSR1770	FEX233YR1D AY	17.23	17.28	0.0000	21.72	15.64	17115

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR1790	FEX233YR1D AY	17.24	17.29	0.0000	23.45	16.42	29118
NSR1810	FEX233YR1D AY	17.25	17.29	0.0000	9.62	8.09	10644
NSR1830	FEX233YR1D AY	17.25	17.29	0.0000	33.78	25.37	66571
NSR1850	FEX233YR1D AY	16.95	17.02	-0.0001	7.32	7.99	13303
NSR1870	FEX233YR1D AY	16.93	17.01	0.0001	24.93	17.23	45189
NSR1890	FEX233YR1D AY	16.05	16.32	0.0000	13.21	13.53	1056
NSR1910	FEX233YR1D AY	15.45	15.83	0.0003	43.87	40.75	4816
NSR1930	FEX233YR1D AY	16.53	16.37	-0.0002	65.68	65.32	1836
NSR1950	FEX233YR1D AY	16.70	16.58	-0.0001	20.97	20.43	1859
NSR1970	FEX233YR1D AY	16.84	16.75	-0.0001	19.62	18.67	12205
NSR1990	FEX233YR1D AY	16.86	16.75	0.0001	10.31	9.21	949
NSR2010	FEX233YR1D AY	16.91	16.76	-0.0001	11.88	10.31	14743
NSR2030	FEX233YR1D AY	16.90	16.75	-0.0001	6.50	5.26	751
NSR2050	FEX233YR1D AY	16.88	16.75	0.0000	7.77	6.83	10851
NSR2070	FEX233YR1D AY	16.81	16.70	0.0000	5.00	5.00	781
NSR2090	FEX233YR1D AY	16.72	16.63	0.0000	6.11	5.01	673
NSR2110	FEX233YR1D AY	16.54	16.50	0.0000	11.86	11.02	13935
NSR2130	FEX233YR1D AY	16.50	16.47	0.0000	11.85	6.78	89085
NSR2150	FEX233YR1D AY	17.60	16.59	-0.0001	44.32	39.88	65973
NSR2170	FEX233YR1D AY	17.62	16.80	0.0000	31.78	31.74	2087
NSR2190	FEX233YR1D AY	17.62	16.87	-0.0001	31.83	31.78	967
NSR2210	FEX233YR1D AY	17.62	17.01	0.0000	29.52	21.66	54015
NSR2230	FEX233YR1D AY	17.62	16.92	-0.0001	21.20	20.54	675
NSR2250	FEX233YR1D	17.63	16.99	-0.0001	22.02	21.20	8873

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NSR2270	FEX233YR1D AY	17.63	17.00	-0.0001	22.99	20.69	17006
NSR2290	FEX233YR1D AY	17.63	17.02	-0.0001	17.84	17.37	888
NSR2310	FEX233YR1D AY	17.63	17.04	0.0000	18.33	17.84	6258
NSR2330	FEX233YR1D AY	17.65	17.58	0.0000	17.12	13.09	18305
NSR2350	FEX233YR1D AY	17.65	17.58	0.0001	15.55	11.66	21623
NSR2370	FEX233YR1D AY	16.66	16.38	0.0000	16.18	11.80	9676
NSR2390	FEX233YR1D AY	18.07	17.94	0.0000	7.91	0.91	55404
NSR2410	FEX233YR1D AY	16.66	16.38	0.0000	26.00	16.18	16248
NSR2430	FEX233YR1D AY	17.99	17.97	0.0000	1.78	1.77	2497
NSR2450	FEX233YR1D AY	18.06	18.02	0.0000	23.51	23.16	12919
NSR3000	FEX233YR1D AY	17.04	17.06	-0.0727	5.37	49.45	871
NSR3005	FEX233YR1D AY	17.02	17.05	0.1453	49.45	3.97	566
NSR3020	FEX233YR1D AY	17.61	17.68	-0.0001	26.07	22.82	61813
NSR3040	FEX233YR1D AY	16.25	16.29	0.0000	47.35	43.20	31414
NSR3060	FEX233YR1D AY	16.21	16.12	-0.0001	13.04	11.59	38522
NSW0010	FEX233YR1D AY	2.00	2.00	0.0000	17.00	0.00	0
NSW0030	FEX233YR1D AY	2.13	2.38	0.0003	17.01	17.00	587
NSW0050	FEX233YR1D AY	4.04	3.16	0.0001	17.12	17.01	959
Outfall	FEX233YR1D AY	2.00	2.00	0.0000	36.22	0.00	0
Outfall_NE	FEX233YR1D AY	21.00	18.65	0.0002	8.21	0.00	0
PondA	FEX233YR1D AY	0.00	19.99	0.0000	14.13	0.77	52079
PondB	FEX233YR1D AY	0.00	14.16	0.0000	99.93	64.05	70441
SH_OUTFALL	FEX233YR1D AY	2.00	2.00	0.0000	148.17	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
STORAGE1	FEX233YR1D AY	0.00	19.07	0.0000	3.34	1.11	7405
STORAGE10	FEX233YR1D AY	0.00	19.59	0.0000	1.60	0.00	9148
STORAGE11	FEX233YR1D AY	0.00	19.87	0.0000	7.85	0.00	18648
STORAGE12	FEX233YR1D AY	0.00	19.79	0.0001	42.43	5.91	10262
STORAGE13	FEX233YR1D AY	0.00	18.75	0.0000	3.30	0.56	5323
STORAGE14	FEX233YR1D AY	0.00	20.38	0.0000	2.26	0.00	13395
STORAGE2	FEX233YR1D AY	0.00	18.45	0.0000	5.71	2.06	18426
STORAGE4	FEX233YR1D AY	0.00	18.89	0.0001	27.80	3.29	12088
STORAGE5	FEX233YR1D AY	0.00	20.90	0.0000	15.50	4.18	19777
STORAGE8	FEX233YR1D AY	0.00	18.31	0.0000	2.74	0.98	6098
STORAGE9	FEX233YR1D AY	0.00	18.12	0.0000	6.69	1.17	11761
Sevilla1	FEX233YR1D AY	1.20	2.04	0.0000	0.03	0.03	804
Sevilla2	FEX233YR1D AY	1.23	2.02	0.0000	0.01	0.01	609
Sevilla3	FEX233YR1D AY	1.20	2.04	0.0000	0.07	0.07	1339
Sevilla4	FEX233YR1D AY	1.20	2.04	0.0000	0.12	0.13	1450
Shamrock2	FEX233YR1D AY	1.11	2.02	-0.0001	36.25	36.22	5389
Shmrck1.1	FEX233YR1D AY	1.38	2.08	0.0001	36.17	36.21	6206
Shmrck1.2	FEX233YR1D AY	1.20	2.04	-0.0001	36.21	36.25	3971
V3	FEX233YR1D AY	6.53	6.53	0.0000	0.00	0.00	436
BC_N02	FEX25YR1DA Y	0.00	18.00	0.0000	0.90	0.00	0
Church1	FEX25YR1DA Y	8.77	10.24	0.0000	0.66	0.40	533
Church2	FEX25YR1DA Y	8.77	10.24	0.0000	7.17	6.74	4390
Clark1	FEX25YR1DA Y	7.21	8.19	0.0000	0.97	0.57	743
Clark2	FEX25YR1DA	7.21	8.19	-0.0001	64.17	62.71	21566

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
DM1	FEX25YR1DA Y	11.42	11.86	0.0000	7.14	7.24	1416
DM2	FEX25YR1DA Y	10.30	10.64	0.0000	7.24	7.13	2186
DM3	FEX25YR1DA Y	9.16	10.27	0.0000	7.13	7.17	2979
E_Outlet	FEX25YR1DA Y	0.00	16.53	0.0002	120.98	41.31	0
E_Outlet2	FEX25YR1DA Y	0.00	17.00	0.0000	1.07	0.00	0
EIP_Hes.1	FEX25YR1DA Y	1.99	2.97	0.0000	0.41	0.31	763
EIP_con.1	FEX25YR1DA Y	2.18	3.13	0.0001	80.89	80.75	4221
EIPrad.1	FEX25YR1DA Y	1.99	2.97	0.0000	0.20	0.15	632
G1	FEX25YR1DA Y	14.98	15.98	-0.0033	154.55	96.36	40439
G10	FEX25YR1DA Y	8.77	10.22	-0.0001	63.61	64.17	4602
G2	FEX25YR1DA Y	14.99	15.92	-0.0003	36.79	37.58	32924
G3	FEX25YR1DA Y	14.86	15.91	-0.0006	120.59	120.36	27807
G4	FEX25YR1DA Y	12.82	14.94	-0.0001	120.36	117.49	57248
G5	FEX25YR1DA Y	11.69	13.68	-0.0002	82.65	77.27	35804
G6	FEX25YR1DA Y	11.00	9.24	0.0000	12.52	0.00	0
G7	FEX25YR1DA Y	11.00	11.94	0.0000	71.97	71.77	3601
G8	FEX25YR1DA Y	10.07	11.01	0.0000	59.73	59.47	2143
G9	FEX25YR1DA Y	9.41	10.51	0.0001	59.47	59.18	1353
H1	FEX25YR1DA Y	1.99	3.31	0.0000	5.54	5.53	514
H2.1	FEX25YR1DA Y	1.99	2.97	0.0000	86.16	86.12	6105
Hubert	FEX25YR1DA Y	3.16	3.76	0.0000	62.69	62.37	5965
JUNCT1	FEX25YR1DA Y	0.00	19.07	0.0000	8.56	8.30	4494
JUNCT10	FEX25YR1DA Y	0.00	22.14	0.0000	61.31	61.20	10835

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
JUNCT2	FEX25YR1DA Y	0.00	14.40	0.0000	30.66	30.63	2871
JUNCT3	FEX25YR1DA Y	0.00	19.98	0.0000	10.16	10.65	10386
JUNCT4	FEX25YR1DA Y	0.00	13.69	0.0000	6.52	6.52	5548
JUNCT6	FEX25YR1DA Y	0.00	16.62	0.0000	138.58	136.57	10275
JUNCT7	FEX25YR1DA Y	0.00	19.76	0.0000	117.91	118.06	8389
JUNCT7B	FEX25YR1DA Y	0.00	19.76	-0.0001	123.46	118.75	18398
JUNCT8	FEX25YR1DA Y	0.00	19.76	0.0000	192.19	192.21	11635
JUNCT8B	FEX25YR1DA Y	0.00	19.76	0.0001	192.10	185.34	26044
JUNCT9	FEX25YR1DA Y	0.00	29.56	0.0000	58.51	58.58	9578
L1	FEX25YR1DA Y	11.53	11.98	0.0000	35.43	36.51	51707
L2	FEX25YR1DA Y	11.63	11.76	0.0000	8.60	8.46	41894
L3	FEX25YR1DA Y	10.43	10.56	0.0000	9.84	8.99	46099
L4	FEX25YR1DA Y	8.43	8.53	0.0000	4.19	3.81	50838
L5	FEX25YR1DA Y	7.63	7.68	0.0000	1.56	1.30	43662
L6	FEX25YR1DA Y	6.93	6.96	0.0000	0.53	0.40	43812
Lois	FEX25YR1DA Y	4.82	5.01	0.0000	62.71	62.69	6808
M1	FEX25YR1DA Y	2.58	6.51	-0.0003	34.91	34.02	24844
M1.1	FEX25YR1DA Y	6.33	6.84	0.0000	38.52	34.91	35184
M1.2	FEX25YR1DA Y	7.03	7.35	0.0000	31.83	34.28	28442
M1.3	FEX25YR1DA Y	7.13	7.61	0.0000	28.39	27.54	28489
M2	FEX25YR1DA Y	2.58	5.89	-0.0006	36.62	31.92	60587
M3	FEX25YR1DA Y	2.58	5.47	-0.0004	32.03	30.48	39363
M4	FEX25YR1DA Y	2.58	4.96	-0.0005	30.49	25.09	49933
M5.1	FEX25YR1DA	2.57	3.45	0.0000	81.08	80.90	6163

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
M6	FEX25YR1DA Y	2.58	3.45	0.0000	0.40	0.23	558
Marjory_Pump	FEX25YR1DA Y	0.00	36.71	0.0102	3.62	3.11	496
N01	FEX25YR1DA Y	0.00	20.70	0.0000	25.10	13.31	34441
N01A	FEX25YR1DA Y	0.00	20.68	0.0000	7.05	6.86	437
N02	FEX25YR1DA Y	0.00	18.25	0.0001	30.35	29.03	53057
N03	FEX25YR1DA Y	0.00	18.79	0.0001	11.62	11.00	5193
N04	FEX25YR1DA Y	0.00	18.76	0.0000	11.09	9.24	7975
N05	FEX25YR1DA Y	0.00	17.99	0.0000	119.02	118.24	4401
N06	FEX25YR1DA Y	0.00	16.93	0.0002	80.27	80.30	3292
N07A	FEX25YR1DA Y	0.00	16.32	0.0002	82.81	82.84	4248
N08A	FEX25YR1DA Y	0.00	15.14	0.0005	122.33	122.38	9321
N09	FEX25YR1DA Y	0.00	12.99	0.0001	13.51	12.80	468
N09A	FEX25YR1DA Y	0.00	12.74	0.0003	132.93	132.93	1359
N10	FEX25YR1DA Y	2.00	2.00	0.0000	296.92	0.00	0
N11	FEX25YR1DA Y	0.00	17.27	-0.0008	171.16	120.98	340404
NBB0010	FEX25YR1DA Y	2.00	2.00	0.0000	133.13	0.00	0
NBB0030	FEX25YR1DA Y	5.03	7.21	-0.0006	133.13	133.13	557
NBB0050	FEX25YR1DA Y	9.15	12.43	-0.0003	181.44	133.13	85574
NBB0070	FEX25YR1DA Y	11.30	13.73	-0.0001	113.61	112.64	2549
NBB0090	FEX25YR1DA Y	12.67	14.03	0.0001	107.64	107.64	2685
NBB0110	FEX25YR1DA Y	13.46	15.10	0.0001	100.59	100.59	1982
NBB0130	FEX25YR1DA Y	15.26	16.71	-0.0003	49.29	36.22	47198
NBB0150	FEX25YR1DA Y	14.01	15.56	0.0001	72.33	72.49	1935

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBB0170	FEX25YR1DA Y	14.74	16.17	0.0001	72.22	72.33	1452
NBB0190	FEX25YR1DA Y	15.42	16.75	0.0001	72.13	72.22	53053
NBB0210	FEX25YR1DA Y	15.70	16.83	0.0001	69.64	69.74	1556
NBB0230	FEX25YR1DA Y	16.02	16.91	0.0001	69.54	69.64	5426
NBB0250	FEX25YR1DA Y	16.31	17.23	0.0001	68.81	68.91	2036
NBB0270	FEX25YR1DA Y	17.05	17.69	0.0001	68.09	68.81	21072
NBB0290	FEX25YR1DA Y	17.06	17.69	0.0001	55.00	54.34	1258
NBB0310	FEX25YR1DA Y	17.07	17.70	-0.0002	187.52	105.88	420500
NBB0330	FEX25YR1DA Y	16.57	17.00	0.0002	43.42	40.63	27650
NBB0350	FEX25YR1DA Y	16.45	16.99	0.0002	28.19	29.16	1396
NBB0370	FEX25YR1DA Y	16.33	16.97	0.0002	83.04	55.82	67431
NBB0390	FEX25YR1DA Y	16.32	16.97	0.0002	21.61	22.44	1833
NBB0410	FEX25YR1DA Y	16.30	16.97	-0.0002	70.27	53.29	42102
NBB0430	FEX25YR1DA Y	15.45	16.00	-0.0003	123.10	176.00	67704
NBW0010	FEX25YR1DA Y	2.00	2.00	0.0000	805.11	0.00	0
NBW0030	FEX25YR1DA Y	3.39	4.19	0.0002	805.90	805.11	50104
NBW0050	FEX25YR1DA Y	3.92	4.21	0.0000	12.94	11.80	6161
NBW0070	FEX25YR1DA Y	3.57	4.51	-0.0005	258.05	519.20	43578
NBW0090	FEX25YR1DA Y	3.66	4.22	0.0000	8.47	8.16	32178
NBW0130	FEX25YR1DA Y	3.73	4.65	0.0000	256.15	257.05	14584
NBW0150	FEX25YR1DA Y	3.93	4.64	0.0001	11.15	10.55	9793
NBW0170	FEX25YR1DA Y	3.98	4.62	0.0001	6.39	4.09	34256
NBW0190	FEX25YR1DA Y	3.89	4.79	0.0001	255.02	254.61	5987
NBW0210	FEX25YR1DA	6.25	6.37	0.0000	11.08	10.84	6589

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NBW0230	FEX25YR1DA Y	4.01	4.97	0.0001	253.47	254.36	5050
NBW0250	FEX25YR1DA Y	4.88	5.85	0.0000	252.64	252.73	5657
NBW0270	FEX25YR1DA Y	5.49	5.86	0.0001	53.16	46.73	28412
NBW0290	FEX25YR1DA Y	5.91	5.97	0.0000	40.16	40.78	13706
NBW0310	FEX25YR1DA Y	6.38	6.82	0.0000	14.38	12.52	10617
NBW0330	FEX25YR1DA Y	5.50	6.66	0.0000	247.57	247.47	24038
NBW0350	FEX25YR1DA Y	4.97	4.99	0.0000	10.89	10.87	2530
NBW0370	FEX25YR1DA Y	5.52	6.67	-0.0001	11.05	9.92	9235
NBW0390	FEX25YR1DA Y	5.52	6.67	-0.0001	13.35	8.64	36011
NBW0410	FEX25YR1DA Y	5.54	6.75	-0.0002	244.56	244.70	3446
NBW0430	FEX25YR1DA Y	5.89	7.13	0.0000	8.37	7.53	28311
NBW0450	FEX25YR1DA Y	5.89	7.13	0.0000	245.51	244.56	12326
NBW0470	FEX25YR1DA Y	5.89	7.13	0.0000	6.10	5.27	18230
NBW0490	FEX25YR1DA Y	5.92	7.21	-0.0001	243.81	243.77	3173
NBW0510	FEX25YR1DA Y	6.72	7.21	0.0000	5.20	5.19	8087
NBW0530	FEX25YR1DA Y	6.22	7.58	0.0000	243.85	243.82	4802
NBW0550	FEX25YR1DA Y	6.72	8.41	0.0000	209.68	199.04	300008
NBW0570	FEX25YR1DA Y	7.09	8.38	0.0000	196.98	194.82	49969
NBW0590	FEX25YR1DA Y	10.03	10.16	-0.0002	294.46	293.52	86319
NBW0610	FEX25YR1DA Y	6.45	7.81	0.0000	221.59	221.45	9200
NBW0630	FEX25YR1DA Y	6.22	7.58	0.0000	8.14	5.47	64395
NBW0650	FEX25YR1DA Y	6.66	8.37	0.0000	223.43	222.40	22121
NBW0670	FEX25YR1DA Y	6.66	8.37	0.0000	14.25	4.89	38297

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW0690	FEX25YR1DA Y	6.71	8.40	-0.0001	176.53	176.83	10590
NBW0710	FEX25YR1DA Y	6.71	8.40	0.0000	18.73	10.31	53403
NBW0730	FEX25YR1DA Y	6.72	8.41	-0.0001	176.55	170.28	221174
NBW0750	FEX25YR1DA Y	7.06	8.42	0.0001	212.21	202.08	115237
NBW0770	FEX25YR1DA Y	7.06	8.43	-0.0002	33.31	26.73	27017
NBW0790	FEX25YR1DA Y	8.11	8.43	0.0001	28.50	28.31	3328
NBW0810	FEX25YR1DA Y	7.06	8.43	-0.0001	52.78	44.91	49806
NBW0830	FEX25YR1DA Y	8.41	8.43	-0.0001	41.98	41.74	3165
NBW0850	FEX25YR1DA Y	10.17	9.83	0.0001	43.14	38.48	13552
NBW0870	FEX25YR1DA Y	7.06	8.44	0.0000	197.12	173.82	228733
NBW0890	FEX25YR1DA Y	7.06	8.43	-0.0005	16.77	17.38	1027
NBW0910	FEX25YR1DA Y	7.06	8.43	-0.0001	195.17	183.22	143832
NBW0930	FEX25YR1DA Y	8.03	8.66	-0.0001	42.55	42.43	1301
NBW0950	FEX25YR1DA Y	8.82	8.99	-0.0001	63.25	42.55	113312
NBW0970	FEX25YR1DA Y	8.82	8.99	0.0006	38.06	36.17	26578
NBW0990	FEX25YR1DA Y	8.82	8.99	-0.0005	14.96	14.58	785
NBW1010	FEX25YR1DA Y	8.83	9.02	0.0000	37.06	37.01	1120
NBW1030	FEX25YR1DA Y	9.19	10.89	0.0000	84.91	36.28	57083
NBW1050	FEX25YR1DA Y	9.30	10.90	-0.0001	17.51	16.98	900
NBW1070	FEX25YR1DA Y	9.34	10.90	0.0000	230.82	229.73	67952
NBW1090	FEX25YR1DA Y	3.78	4.68	0.0000	448.10	445.14	15999
NBW1130	FEX25YR1DA Y	4.51	5.38	0.0000	131.85	131.67	29996
NBW1150	FEX25YR1DA Y	4.53	5.42	-0.0001	141.21	139.57	66498
NBW1169	FEX25YR1DA	4.09	4.90	0.0000	430.42	426.89	18061

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NBW1170	FEX25YR1DA Y	4.30	5.07	0.0001	424.47	423.31	6914
NBW1190	FEX25YR1DA Y	6.13	6.55	-0.0001	52.66	45.14	61548
NBW1210	FEX25YR1DA Y	7.17	7.58	-0.0002	196.49	191.70	154454
NBW1230	FEX25YR1DA Y	7.17	7.61	-0.0002	239.43	182.57	225314
NBW1250	FEX25YR1DA Y	4.74	5.61	-0.0001	382.46	381.05	7823
NBW1270	FEX25YR1DA Y	6.14	6.55	-0.0001	14.69	13.36	41217
NBW1310	FEX25YR1DA Y	5.21	5.89	0.0002	438.76	377.64	8354
NBW1330	FEX25YR1DA Y	7.56	8.99	-0.0021	329.41	376.06	3077
NBW1350	FEX25YR1DA Y	10.95	11.71	0.0001	44.03	45.89	13585
NBW1351	FEX25YR1DA Y	8.89	10.87	0.0004	277.45	280.61	20158
NBW1352	FEX25YR1DA Y	9.96	12.36	0.0006	273.09	273.14	7956
NBW1353	FEX25YR1DA Y	11.01	13.87	0.0005	269.28	269.34	8196
NBW1370	FEX25YR1DA Y	10.02	10.94	0.0003	214.35	221.27	37156
NBW1390	FEX25YR1DA Y	15.24	15.45	0.0003	298.23	296.09	146130
NBW1410	FEX25YR1DA Y	15.58	15.71	0.0003	188.36	184.53	26558
NBW1430	FEX25YR1DA Y	15.79	15.84	-0.0002	168.90	167.97	20679
NBW1450	FEX25YR1DA Y	16.94	17.08	-0.0003	278.89	278.63	117114
NBW1460	FEX25YR1DA Y	16.43	16.59	0.0002	154.79	155.33	4273
NBW1470	FEX25YR1DA Y	17.14	17.38	-0.0004	316.04	309.50	214314
NBW1480	FEX25YR1DA Y	18.11	18.18	0.0001	15.32	15.15	16550
NBW1490	FEX25YR1DA Y	17.86	18.23	0.0001	195.51	193.47	107214
NBW1510	FEX25YR1DA Y	18.12	18.48	0.0002	158.44	158.67	29267
NBW1530	FEX25YR1DA Y	17.92	18.48	0.0001	15.50	12.15	1178

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW1550	FEX25YR1DA Y	17.75	18.47	0.0001	45.34	40.38	21852
NBW1570	FEX25YR1DA Y	18.21	18.65	0.0001	157.02	157.23	2604
NBW1590	FEX25YR1DA Y	18.12	18.47	0.0001	47.98	48.58	21600
NBW1610	FEX25YR1DA Y	18.13	18.48	0.0001	34.01	31.90	17919
NBW1630	FEX25YR1DA Y	18.13	18.32	0.0001	27.16	27.14	1813
NBW1650	FEX25YR1DA Y	18.81	19.39	0.0001	16.76	13.31	31699
NBW1670	FEX25YR1DA Y	18.89	19.40	0.0001	38.14	35.25	26876
NBW1690	FEX25YR1DA Y	19.03	19.40	0.0001	23.97	22.00	14140
NBW1710	FEX25YR1DA Y	19.26	19.40	0.0001	4.82	1.14	998
NBW1730	FEX25YR1DA Y	18.65	19.37	0.0004	249.85	242.62	281555
NBW1750	FEX25YR1DA Y	18.82	19.39	0.0001	146.75	130.86	54277
NBW1770	FEX25YR1DA Y	18.82	19.39	0.0001	138.77	119.76	138306
NBW1790	FEX25YR1DA Y	18.91	19.40	0.0001	32.21	30.54	21010
NBW1820	FEX25YR1DA Y	18.72	19.16	0.0000	72.95	63.94	149342
NBW1830	FEX25YR1DA Y	18.74	19.40	-0.0001	79.19	79.35	68283
NBW1840	FEX25YR1DA Y	18.39	18.66	0.0000	115.86	106.00	112827
NBW1850	FEX25YR1DA Y	18.74	19.41	-0.0001	154.14	143.07	130446
NBW1860	FEX25YR1DA Y	18.39	18.65	0.0000	15.62	10.99	20668
NBW1870	FEX25YR1DA Y	18.72	19.16	-0.0002	27.69	28.69	37528
NBW1890	FEX25YR1DA Y	19.06	19.72	0.0001	63.40	63.54	2613
NBW1910	FEX25YR1DA Y	19.27	19.92	0.0001	67.79	67.39	4546
NBW1930	FEX25YR1DA Y	19.27	19.91	0.0000	62.78	62.89	30970
NBW1950	FEX25YR1DA Y	18.97	19.42	0.0001	4.19	1.91	450
NBW1970	FEX25YR1DA	18.96	19.42	0.0000	14.11	14.12	8242

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NBW1990	FEX25YR1DA Y	19.27	19.82	0.0000	87.76	82.69	120660
NBW2010	FEX25YR1DA Y	19.65	19.84	0.0000	10.21	8.34	11134
NBW2030	FEX25YR1DA Y	19.65	19.83	0.0000	14.94	11.89	66961
NBW2050	FEX25YR1DA Y	19.26	20.00	0.0000	61.98	56.95	112902
NBW2060	FEX25YR1DA Y	0.00	19.99	0.0000	23.85	21.13	52744
NBW2070	FEX25YR1DA Y	19.26	19.99	0.0000	115.46	52.08	183282
NBW2090	FEX25YR1DA Y	19.10	19.75	0.0000	51.91	51.56	48857
NBW2110	FEX25YR1DA Y	18.92	19.75	0.0000	155.40	109.63	227460
NBW2130	FEX25YR1DA Y	18.92	19.75	-0.0001	41.91	26.35	37926
NBW2140	FEX25YR1DA Y	20.00	19.75	-0.0001	5.32	5.29	592
NBW2145	FEX25YR1DA Y	0.00	19.75	-0.0011	18.07	90.74	76666
NBW2150	FEX25YR1DA Y	19.26	19.99	0.0000	89.02	84.80	27349
NBW2170	FEX25YR1DA Y	19.12	20.04	0.0000	4.83	4.76	878
NBW2190	FEX25YR1DA Y	19.10	20.07	0.0000	8.19	4.83	17549
NBW2210	FEX25YR1DA Y	19.47	20.00	0.0000	28.33	27.08	19053
NBW2230	FEX25YR1DA Y	19.47	20.00	0.0001	67.43	64.08	65972
NBW2250	FEX25YR1DA Y	19.51	20.00	-0.0001	16.37	14.86	3915
NBW2270	FEX25YR1DA Y	19.57	19.99	0.0000	16.34	14.59	25571
NBW2290	FEX25YR1DA Y	19.65	20.00	0.0000	43.28	36.40	137931
NBW2310	FEX25YR1DA Y	19.82	19.91	0.0001	48.46	46.09	118758
NBW2330	FEX25YR1DA Y	19.82	19.92	0.0001	31.74	20.18	62322
NBW2350	FEX25YR1DA Y	16.05	16.30	0.0001	97.23	97.29	65747
NBW2370	FEX25YR1DA Y	16.11	16.30	-0.0001	21.18	18.94	57803

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW2380	FEX25YR1DA Y	12.29	15.74	0.0004	266.14	266.71	10756
NBW2385	FEX25YR1DA Y	18.49	18.50	0.0000	5.00	4.99	6541
NBW2387	FEX25YR1DA Y	16.11	15.81	0.0000	0.60	0.58	480
NBW2390	FEX25YR1DA Y	16.42	17.69	0.0001	82.99	82.15	35952
NBW2410	FEX25YR1DA Y	16.59	18.25	-0.0002	158.43	154.73	170015
NBW2430	FEX25YR1DA Y	16.23	18.28	0.0001	240.42	237.76	80443
NBW2450	FEX25YR1DA Y	16.15	18.30	0.0002	162.61	163.39	4396
NBW2470	FEX25YR1DA Y	16.43	18.47	0.0002	374.87	261.16	40233
NBW2490	FEX25YR1DA Y	16.90	18.47	-0.0004	77.15	316.58	21664
NBW2510	FEX25YR1DA Y	17.74	18.47	-0.0001	73.86	73.19	3722
NBW2530	FEX25YR1DA Y	17.92	18.48	-0.0001	65.47	65.90	2010
NBW2550	FEX25YR1DA Y	17.95	18.49	0.0000	2.55	2.90	450
NBW2570	FEX25YR1DA Y	17.96	18.50	0.0000	3.93	2.55	7797
NBW2590	FEX25YR1DA Y	18.06	18.48	-0.0001	53.48	53.73	1098
NBW2610	FEX25YR1DA Y	17.00	18.54	-0.0008	283.92	280.75	104592
NBW2630	FEX25YR1DA Y	17.98	18.57	0.0001	184.06	171.57	39485
NBW2650	FEX25YR1DA Y	16.97	18.55	-0.0004	27.69	28.76	27133
NBW2670	FEX25YR1DA Y	16.42	18.55	0.0001	36.11	30.75	31682
NBW2680	FEX25YR1DA Y	17.73	18.18	-0.0001	64.39	62.11	27505
NBW2690	FEX25YR1DA Y	15.40	18.08	0.0002	272.27	256.69	88758
NBW2710	FEX25YR1DA Y	17.73	18.20	0.0001	3.02	2.48	532
NBW2730	FEX25YR1DA Y	18.29	18.65	0.0000	2.64	1.23	5637
NBW2770	FEX25YR1DA Y	18.09	18.59	0.0001	13.27	13.29	1310
NBW2775	FEX25YR1DA	6.59	6.67	0.0000	16.63	13.39	29473

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NBW2780	FEX25YR1DA Y	18.38	18.62	0.0001	89.98	88.77	114072
NBW2790	FEX25YR1DA Y	18.38	18.64	0.0000	232.75	226.18	111510
NBW2810	FEX25YR1DA Y	18.39	18.65	-0.0002	87.27	83.07	71069
NBW2830	FEX25YR1DA Y	18.40	18.66	-0.0001	66.32	53.52	135332
NC01	FEX25YR1DA Y	0.00	6.22	-0.0001	33.36	33.15	4576
NC01B	FEX25YR1DA Y	0.00	5.90	0.0000	22.73	22.66	6162
NC02	FEX25YR1DA Y	0.00	8.81	-0.0001	143.42	143.41	9855
NC03	FEX25YR1DA Y	0.00	4.90	0.0002	167.08	167.04	13298
NC04	FEX25YR1DA Y	0.00	3.82	0.0000	87.59	82.90	41544
NC05	FEX25YR1DA Y	0.00	3.80	-0.0001	92.41	89.44	54082
NC06	FEX25YR1DA Y	0.00	3.76	0.0000	98.56	97.96	23818
NC07	FEX25YR1DA Y	0.00	3.76	-0.0001	89.31	89.20	22370
NC08	FEX25YR1DA Y	0.00	3.72	0.0000	101.20	101.03	16821
NCL0010	FEX25YR1DA Y	2.00	2.00	0.0000	751.75	0.00	0
NCL0030	FEX25YR1DA Y	2.36	3.01	0.0002	559.85	559.83	6856
NCL0050	FEX25YR1DA Y	2.36	3.01	0.0000	0.42	0.99	439
NCL0070	FEX25YR1DA Y	5.20	5.63	0.0000	186.18	184.37	64130
NCL0090	FEX25YR1DA Y	6.06	6.25	-0.0001	69.14	53.35	85037
NCL0110	FEX25YR1DA Y	3.04	3.75	-0.0005	615.70	615.70	6623
NCL0130	FEX25YR1DA Y	4.05	3.90	0.0006	151.16	151.22	565
NCL0150	FEX25YR1DA Y	4.95	5.19	0.0000	151.09	151.16	2802
NCL0170	FEX25YR1DA Y	5.08	5.30	-0.0001	87.58	87.61	1472
NCL0190	FEX25YR1DA Y	5.08	5.31	0.0000	3.28	3.00	438

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL0210	FEX25YR1DA Y	5.85	6.27	0.0001	97.70	99.04	19811
NCL0230	FEX25YR1DA Y	6.60	7.24	-0.0002	50.72	32.46	62390
NCL0250	FEX25YR1DA Y	6.60	7.25	0.0001	3.88	3.88	598
NCL0270	FEX25YR1DA Y	6.60	7.25	0.0000	5.91	4.36	2464
NCL0290	FEX25YR1DA Y	5.90	6.32	-0.0001	63.49	63.87	924
NCL0310	FEX25YR1DA Y	6.10	6.56	0.0010	63.45	63.79	1045
NCL0330	FEX25YR1DA Y	5.95	6.29	-0.0001	24.02	26.87	12707
NCL0350	FEX25YR1DA Y	6.60	7.25	-0.0005	155.02	119.10	96665
NCL0370	FEX25YR1DA Y	7.36	7.78	0.0002	141.14	138.87	28200
NCL0390	FEX25YR1DA Y	4.02	4.70	-0.0022	450.07	474.92	4339
NCL0410	FEX25YR1DA Y	4.09	4.86	-0.0001	7.48	7.37	819
NCL0430	FEX25YR1DA Y	4.23	5.06	0.0000	7.69	7.48	639
NCL0450	FEX25YR1DA Y	4.75	5.37	-0.0016	438.93	438.96	3676
NCL0470	FEX25YR1DA Y	5.43	5.98	-0.0019	437.31	437.35	3437
NCL0490	FEX25YR1DA Y	6.48	6.91	0.0005	518.34	520.40	52814
NCL0510	FEX25YR1DA Y	6.67	7.14	0.0002	37.46	36.93	1799
NCL0530	FEX25YR1DA Y	8.10	8.35	0.0004	40.47	21.08	1172
NCL0550	FEX25YR1DA Y	8.17	8.41	-0.0002	34.31	40.47	48360
NCL0570	FEX25YR1DA Y	8.66	8.73	-0.0001	17.82	16.57	3065
NCL0590	FEX25YR1DA Y	7.00	7.46	0.0011	452.10	452.42	6912
NCL0610	FEX25YR1DA Y	7.52	8.04	0.0015	435.13	435.34	3640
NCL0630	FEX25YR1DA Y	8.06	8.71	-0.0004	431.54	431.57	4608
NCL0650	FEX25YR1DA Y	8.12	8.77	-0.0003	50.54	102.60	1613
NCL0670	FEX25YR1DA	8.67	9.37	0.0002	129.13	50.54	1693

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NCL0690	FEX25YR1DA Y	8.76	9.42	-0.0002	31.78	35.14	605
NCL0710	FEX25YR1DA Y	8.95	9.53	0.0002	32.36	31.31	601
NCL0730	FEX25YR1DA Y	9.26	9.74	-0.0002	34.56	32.36	554
NCL0750	FEX25YR1DA Y	9.56	9.92	0.0000	145.94	133.20	65140
NCL0770	FEX25YR1DA Y	10.12	10.35	0.0000	81.85	81.80	2178
NCL0790	FEX25YR1DA Y	8.69	9.40	-0.0003	34.73	101.59	895
NCL0810	FEX25YR1DA Y	8.84	9.63	0.0001	35.62	34.73	13676
NCL0830	FEX25YR1DA Y	8.93	9.85	-0.0007	382.52	384.66	42803
NCL0850	FEX25YR1DA Y	9.01	9.87	-0.0001	108.77	100.07	24910
NCL0870	FEX25YR1DA Y	9.37	10.08	-0.0001	125.98	125.68	2022
NCL0890	FEX25YR1DA Y	9.65	10.26	-0.0001	110.81	110.47	1588
NCL0910	FEX25YR1DA Y	9.71	10.26	0.0001	8.72	7.32	13376
NCL0930	FEX25YR1DA Y	9.57	10.65	-0.0001	123.20	122.32	3406
NCL0950	FEX25YR1DA Y	9.89	10.90	0.0001	108.58	108.37	3168
NCL0970	FEX25YR1DA Y	10.41	11.35	0.0001	45.63	44.66	2269
NCL0990	FEX25YR1DA Y	11.00	11.63	0.0001	44.77	43.92	6007
NCL1010	FEX25YR1DA Y	11.14	11.89	0.0001	9.56	9.45	638
NCL1030	FEX25YR1DA Y	9.67	10.12	-0.0002	23.02	33.49	1478
NCL1050	FEX25YR1DA Y	10.46	10.14	0.0001	8.37	7.98	1195
NCL1070	FEX25YR1DA Y	9.30	10.95	0.0001	4.26	4.29	615
NCL1090	FEX25YR1DA Y	9.76	11.02	0.0000	34.93	7.80	22218
NCL1110	FEX25YR1DA Y	9.85	10.63	0.0001	17.63	17.66	2096
NCL1130	FEX25YR1DA Y	9.76	11.02	0.0001	27.30	16.62	88162

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL1150	FEX25YR1DA Y	9.76	11.02	0.0001	614.11	614.67	242240
NCL1170	FEX25YR1DA Y	10.59	12.14	0.0006	430.88	377.00	135263
NCL1190	FEX25YR1DA Y	10.72	12.39	0.0001	80.94	80.35	1850
NCL1210	FEX25YR1DA Y	10.63	12.16	0.0001	51.72	19.25	57262
NCL1230	FEX25YR1DA Y	10.94	12.70	0.0001	81.53	80.94	1432
NCL1250	FEX25YR1DA Y	11.11	12.88	-0.0001	82.13	81.53	1231
NCL1270	FEX25YR1DA Y	11.34	13.09	0.0001	131.92	116.75	89370
NCL1290	FEX25YR1DA Y	13.06	13.75	0.0001	105.80	105.33	15844
NCL1310	FEX25YR1DA Y	14.77	15.37	-0.0001	103.82	102.51	34082
NCL1330	FEX25YR1DA Y	10.60	12.14	-0.0002	289.51	287.39	85855
NCL1350	FEX25YR1DA Y	10.63	12.16	0.0001	294.05	287.83	69617
NCL1370	FEX25YR1DA Y	10.63	12.18	-0.0002	133.07	131.97	11469
NCL1390	FEX25YR1DA Y	10.63	13.07	0.0001	46.89	44.08	26814
NCL1410	FEX25YR1DA Y	10.63	13.08	0.0001	48.43	46.16	10467
NCL1430	FEX25YR1DA Y	10.70	12.18	0.0006	548.61	436.53	227756
NCL1450	FEX25YR1DA Y	10.93	12.78	0.0013	462.97	462.56	3036
NCL1470	FEX25YR1DA Y	12.72	14.23	0.0002	344.64	344.01	4428
NCL1490	FEX25YR1DA Y	14.45	14.69	0.0000	6.39	6.36	784
NCL1510	FEX25YR1DA Y	11.06	12.82	-0.0032	62.42	72.41	9266
NCL1530	FEX25YR1DA Y	12.54	12.94	0.0002	91.11	90.02	13134
NCL1550	FEX25YR1DA Y	13.13	13.38	-0.0001	42.81	41.66	1021
NCL1570	FEX25YR1DA Y	13.31	13.76	0.0001	5.39	5.30	504
NCL1590	FEX25YR1DA Y	13.70	13.80	0.0000	2.51	2.34	1307
NCL1610	FEX25YR1DA	13.37	13.88	0.0001	3.37	3.17	469

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NCL1630	FEX25YR1DA Y	13.57	13.69	-0.0003	81.44	81.44	2663
NCL1650	FEX25YR1DA Y	13.68	13.88	0.0002	83.99	84.01	1293
NCL1670	FEX25YR1DA Y	14.02	14.70	0.0001	114.34	114.34	8376
NCL1690	FEX25YR1DA Y	17.47	17.81	0.0001	57.77	57.71	5578
NCL1710	FEX25YR1DA Y	17.89	18.11	0.0001	52.79	52.82	3311
NCL1730	FEX25YR1DA Y	18.27	19.00	0.0002	151.50	151.42	28087
NCL1750	FEX25YR1DA Y	18.24	18.90	-0.0002	26.90	26.91	513
NCL1770	FEX25YR1DA Y	18.07	18.22	0.0001	43.20	43.18	3115
NCL1790	FEX25YR1DA Y	15.78	16.23	0.0002	338.84	338.32	5863
NCL1810	FEX25YR1DA Y	18.13	18.36	0.0001	67.22	61.90	41094
NCL1830	FEX25YR1DA Y	18.39	18.22	0.0002	318.38	317.93	6250
NCL1850	FEX25YR1DA Y	18.50	18.37	-0.0002	65.09	79.05	909
NCL1870	FEX25YR1DA Y	19.01	19.13	0.0002	64.93	65.09	998
NCL1890	FEX25YR1DA Y	19.15	19.33	0.0003	68.09	66.86	985
NCL1910	FEX25YR1DA Y	19.15	19.33	0.0001	4.48	0.91	529
NCL1930	FEX25YR1DA Y	19.91	19.93	0.0000	5.62	5.61	1614
NCL1950	FEX25YR1DA Y	19.15	19.33	0.0000	0.90	0.17	503
NCL1970	FEX25YR1DA Y	21.67	21.67	0.0000	3.10	3.09	3303
NCL1990	FEX25YR1DA Y	19.58	19.97	-0.0002	70.33	68.09	917
NCL2010	FEX25YR1DA Y	19.74	20.07	0.0001	43.19	41.40	1104
NCL2030	FEX25YR1DA Y	19.76	19.89	0.0001	20.78	17.46	37857
NCL2050	FEX25YR1DA Y	19.76	20.11	0.0001	40.80	38.67	1411
NCL2070	FEX25YR1DA Y	19.76	19.89	-0.0001	5.04	5.86	1202

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL2090	FEX25YR1DA Y	19.87	20.44	-0.0001	43.19	40.80	1414
NCL2110	FEX25YR1DA Y	20.03	20.47	0.0004	34.61	33.01	10031
NCL2130	FEX25YR1DA Y	19.87	20.49	0.0001	111.30	119.92	85980
NCL2150	FEX25YR1DA Y	20.75	21.40	-0.0003	114.83	105.92	211235
NCL2170	FEX25YR1DA Y	19.85	20.47	-0.0001	175.98	176.06	64423
NCL2230	FEX25YR1DA Y	19.13	19.38	0.0003	246.85	247.09	18684
NCL2250	FEX25YR1DA Y	19.55	19.96	0.0002	260.57	245.33	4443
NCL2270	FEX25YR1DA Y	20.05	20.72	0.0001	246.08	245.19	39649
NCL2290	FEX25YR1DA Y	19.88	20.48	0.0001	14.46	13.61	9102
NCL2310	FEX25YR1DA Y	20.45	21.03	0.0001	101.71	101.10	1779
NCL2330	FEX25YR1DA Y	20.74	21.26	0.0001	167.48	156.63	117288
NCL2350	FEX25YR1DA Y	20.78	21.28	0.0001	93.66	91.92	10081
NCL2370	FEX25YR1DA Y	20.81	21.29	0.0001	90.52	88.68	2298
NCL2390	FEX25YR1DA Y	20.84	21.32	0.0001	165.94	139.74	178019
NCL2410	FEX25YR1DA Y	21.07	21.36	0.0000	30.39	29.89	1380
NCL2430	FEX25YR1DA Y	21.32	21.45	0.0000	28.96	28.44	1472
NCL2450	FEX25YR1DA Y	21.25	21.42	0.0000	5.58	5.42	493
NCL2470	FEX25YR1DA Y	20.93	21.33	0.0000	22.87	22.47	846
NCL2490	FEX25YR1DA Y	21.54	21.47	0.0000	26.13	25.72	1524
NCL2510	FEX25YR1DA Y	21.70	21.46	0.0000	149.62	149.75	105506
NCL2530	FEX25YR1DA Y	21.70	21.46	0.0000	66.44	68.04	50882
NCL2540	FEX25YR1DA Y	0.00	22.15	0.0000	95.20	94.02	50924
NCL2550	FEX25YR1DA Y	21.70	21.46	0.0000	77.20	77.65	18132
NCL2570	FEX25YR1DA	21.51	21.42	0.0000	13.21	13.00	1503

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NCL2580	FEX25YR1DA Y	0.00	21.40	-0.0001	141.22	140.08	37070
NCL2590	FEX25YR1DA Y	21.17	21.40	0.0000	237.57	234.93	149394
NCL2610	FEX25YR1DA Y	21.14	21.40	0.0000	163.43	163.19	31721
NCL2630	FEX25YR1DA Y	20.86	21.01	0.0000	99.22	94.48	52869
NCL2631	FEX25YR1DA Y	0.00	20.81	0.0001	104.68	78.27	46052
NCL2650	FEX25YR1DA Y	21.17	21.55	0.0000	110.55	92.87	131144
NCL2670	FEX25YR1DA Y	21.93	22.19	-0.0003	117.33	136.92	62058
NCL2690	FEX25YR1DA Y	21.96	22.44	0.0000	71.70	81.43	57913
NCL2710	FEX25YR1DA Y	21.96	22.53	0.0000	61.51	57.32	76903
NCL2730	FEX25YR1DA Y	21.95	22.65	0.0000	39.95	39.43	16670
NCL2750	FEX25YR1DA Y	21.84	23.04	0.0000	123.18	122.26	39414
NCL2770	FEX25YR1DA Y	21.71	22.44	0.0000	33.19	33.21	1389
NCL2780	FEX25YR1DA Y	0.00	22.31	0.0000	29.65	27.78	29149
NCL2790	FEX25YR1DA Y	21.84	22.32	0.0000	177.54	170.68	133685
NCL2810	FEX25YR1DA Y	22.11	22.83	-0.0001	116.03	115.42	26279
NCL2830	FEX25YR1DA Y	23.09	23.04	-0.0002	23.03	21.88	8603
NCL2835	FEX25YR1DA Y	0.00	23.84	0.0000	7.86	7.91	1074
NCL2840	FEX25YR1DA Y	0.00	23.78	0.0000	113.66	113.39	26145
NCL2845	FEX25YR1DA Y	0.00	24.31	0.0000	62.92	62.73	16980
NCL2850	FEX25YR1DA Y	20.82	21.29	0.0001	16.76	16.97	1361
NCL2870	FEX25YR1DA Y	20.83	21.22	0.0001	15.96	16.13	1245
NCL2890	FEX25YR1DA Y	20.83	21.16	-0.0001	15.19	15.96	23388
NCL2910	FEX25YR1DA Y	20.83	21.16	0.0001	90.55	89.76	44469

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL2930	FEX25YR1DA Y	19.55	19.99	0.0003	194.97	203.90	10312
NCL2950	FEX25YR1DA Y	19.53	19.99	0.0002	194.11	194.28	18097
NCL2970	FEX25YR1DA Y	20.49	20.65	0.0002	68.46	67.05	19499
NCL2990	FEX25YR1DA Y	19.33	19.94	0.0002	190.90	191.01	6536
NCL3010	FEX25YR1DA Y	19.35	19.95	0.0002	188.33	188.44	263402
NCL3030	FEX25YR1DA Y	19.58	20.00	0.0002	186.10	186.21	86240
NCL3050	FEX25YR1DA Y	19.94	20.16	0.0002	92.20	85.91	46845
NCL3070	FEX25YR1DA Y	20.14	20.26	0.0000	50.61	47.44	26199
NCL3090	FEX25YR1DA Y	19.59	20.00	0.0002	180.98	181.07	101190
NCL3110	FEX25YR1DA Y	19.59	20.00	0.0002	78.14	50.19	125842
NCL3130	FEX25YR1DA Y	19.59	20.01	0.0002	32.52	21.79	53156
NCL3150	FEX25YR1DA Y	19.54	19.99	0.0002	176.65	176.75	65515
NCL3170	FEX25YR1DA Y	19.71	20.35	0.0002	102.94	102.35	42068
NCL3190	FEX25YR1DA Y	20.31	20.59	0.0002	114.71	105.86	138974
NCL3210	FEX25YR1DA Y	20.32	20.59	0.0002	82.08	76.01	69665
NCL3230	FEX25YR1DA Y	20.32	20.60	0.0002	65.71	64.17	27260
NCL3250	FEX25YR1DA Y	19.11	19.75	0.0003	176.17	171.62	188583
NCL3270	FEX25YR1DA Y	19.11	19.76	0.0001	26.84	26.28	15200
NCL3280	FEX25YR1DA Y	0.00	19.80	0.0001	31.30	30.13	17183
NCL3290	FEX25YR1DA Y	20.16	20.42	0.0001	34.66	32.03	29494
NCL3300	FEX25YR1DA Y	0.00	19.77	0.0001	10.91	10.90	2268
NCL3310	FEX25YR1DA Y	20.19	20.41	0.0000	2.67	1.77	755
NCL3330	FEX25YR1DA Y	20.75	20.54	0.0000	6.20	5.80	437
NCL3350	FEX25YR1DA	20.51	20.72	0.0001	42.83	40.59	49734

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NCL3360	FEX25YR1DA Y	0.00	20.71	0.0000	14.71	13.49	21775
NCL3365	FEX25YR1DA Y	0.00	20.33	0.0001	38.25	37.55	28750
NCL3370	FEX25YR1DA Y	20.64	21.12	-0.0001	156.09	153.01	101736
NCL3390	FEX25YR1DA Y	20.83	21.16	0.0001	151.71	150.99	42854
NCL3410	FEX25YR1DA Y	20.83	21.16	0.0001	2.30	1.69	475
NCL3430	FEX25YR1DA Y	20.83	21.16	0.0000	6.08	0.98	4881
NCL3450	FEX25YR1DA Y	18.92	19.76	0.0006	425.84	272.89	227661
NCL3460	FEX25YR1DA Y	18.92	19.75	-0.0008	127.46	130.37	2956
NCL3470	FEX25YR1DA Y	19.11	19.76	0.0001	365.43	311.78	323033
NCL3490	FEX25YR1DA Y	19.15	19.76	0.0001	146.21	134.20	67050
NCL3510	FEX25YR1DA Y	20.64	19.93	0.0001	129.51	129.52	30271
NCL3520	FEX25YR1DA Y	0.00	19.77	0.0001	321.17	321.11	72629
NCL3530	FEX25YR1DA Y	20.66	20.82	0.0001	183.00	179.95	70744
NCL3550	FEX25YR1DA Y	20.66	20.82	0.0001	5.93	2.48	736
NCL3570	FEX25YR1DA Y	20.66	20.88	0.0001	3.23	1.36	624
NCL3590	FEX25YR1DA Y	20.66	20.89	0.0000	3.70	1.30	6447
NCL3610	FEX25YR1DA Y	20.66	20.82	-0.0001	17.76	16.13	1245
NCL3630	FEX25YR1DA Y	20.64	20.81	0.0001	290.98	286.04	123454
NCL3635	FEX25YR1DA Y	0.00	20.81	0.0001	14.53	10.39	1722
NCL3640	FEX25YR1DA Y	0.00	20.81	0.0001	37.11	33.68	51189
NCL3650	FEX25YR1DA Y	18.92	19.75	0.0000	5.44	4.15	502
NCL3670	FEX25YR1DA Y	18.92	19.75	0.0000	56.37	26.36	101143
NCL3690	FEX25YR1DA Y	18.92	19.76	-0.0003	211.08	210.47	3204

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL3730	FEX25YR1DA Y	18.92	19.75	0.0000	449.61	96.26	146600
NCL3740	FEX25YR1DA Y	0.00	19.76	0.0002	230.47	94.69	41196
NCL3750	FEX25YR1DA Y	18.93	19.39	0.0002	209.08	99.67	264806
NCL3770	FEX25YR1DA Y	18.93	19.39	0.0002	75.19	23.90	104836
NCL4000	FEX25YR1DA Y	0.00	29.82	0.0000	58.55	58.51	7820
NCL4010	FEX25YR1DA Y	0.00	29.55	0.0000	50.33	50.07	14519
NCypEast	FEX25YR1DA Y	32.00	29.00	0.0000	12.85	0.00	0
NCypWest	FEX25YR1DA Y	32.00	29.93	0.0000	0.00	0.00	0
NOC0010	FEX25YR1DA Y	2.00	2.00	0.0000	510.05	66.07	0
NOC0030	FEX25YR1DA Y	1.14	2.37	0.0206	510.13	510.05	821
NOC0050	FEX25YR1DA Y	1.20	2.59	0.0130	451.25	451.39	530
NOC0070	FEX25YR1DA Y	1.45	3.42	-0.0062	438.57	438.36	2495
NOC0090	FEX25YR1DA Y	2.91	3.60	0.0018	124.91	125.00	446
NOC0110	FEX25YR1DA Y	1.65	3.50	0.0082	278.30	278.46	455
NOC0130	FEX25YR1DA Y	3.06	4.26	-0.0020	278.23	278.30	528
NOC0150	FEX25YR1DA Y	3.08	4.28	0.0000	3.63	3.34	500
NOC0170	FEX25YR1DA Y	4.56	4.86	0.0000	18.10	18.50	1605
NOC0190	FEX25YR1DA Y	5.09	5.49	0.0003	275.92	275.97	1077
NOC0210	FEX25YR1DA Y	5.68	5.99	0.0001	35.91	35.18	5088
NOC0230	FEX25YR1DA Y	5.12	5.55	-0.0001	9.78	9.43	742
NOC0250	FEX25YR1DA Y	5.30	5.95	-0.0001	10.29	9.78	984
NOC0270	FEX25YR1DA Y	5.57	6.57	0.0000	6.56	4.88	3694
NOC0290	FEX25YR1DA Y	5.11	5.65	0.0002	340.71	340.80	1836
NOC0310	FEX25YR1DA	5.27	5.93	0.0002	72.34	71.14	2306

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NOC0330	FEX25YR1DA Y	5.85	6.27	0.0001	314.53	313.41	115812
NOC0350	FEX25YR1DA Y	5.89	6.36	0.0001	266.20	261.53	29770
NOC0370	FEX25YR1DA Y	6.47	6.98	0.0001	194.42	193.44	40364
NOC0390	FEX25YR1DA Y	6.60	7.24	-0.0001	71.47	63.64	39192
NOC0410	FEX25YR1DA Y	6.95	7.25	0.0001	56.13	43.09	46697
NOC0430	FEX25YR1DA Y	7.01	7.24	0.0001	40.93	36.86	21497
NOC0450	FEX25YR1DA Y	7.62	7.54	0.0000	31.38	30.61	15517
NOC0470	FEX25YR1DA Y	8.12	8.07	-0.0001	21.24	20.03	21957
NOC0490	FEX25YR1DA Y	7.67	7.55	0.0000	5.05	4.96	1051
NRU0010	FEX25YR1DA Y	2.00	2.00	0.0000	658.44	0.00	0
NRU0030	FEX25YR1DA Y	2.84	3.60	-0.0003	373.59	376.01	2468
NRU0050	FEX25YR1DA Y	4.36	5.13	0.0011	364.13	373.59	2036
NRU0070	FEX25YR1DA Y	5.61	6.75	-0.0006	372.39	364.13	25500
NRU0090	FEX25YR1DA Y	5.66	6.75	-0.0002	101.21	77.57	29138
NRU0110	FEX25YR1DA Y	6.23	6.91	-0.0001	287.67	277.55	22359
NRU0130	FEX25YR1DA Y	7.66	8.33	0.0002	251.09	250.89	2616
NRU0150	FEX25YR1DA Y	7.71	8.38	-0.0006	236.32	236.17	1432
NRU0160	FEX25YR1DA Y	0.00	14.32	0.0000	177.17	177.17	4959
NRU0165	FEX25YR1DA Y	0.00	14.57	0.0000	5.74	5.42	474
NRU0170	FEX25YR1DA Y	14.45	16.62	0.0002	194.24	177.74	62175
NRU0172	FEX25YR1DA Y	0.00	16.70	0.0000	6.37	6.84	829
NRU0174	FEX25YR1DA Y	0.00	16.86	0.0000	12.92	6.78	10638
NRU0176	FEX25YR1DA Y	0.00	16.30	0.0000	7.08	7.08	761

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0178	FEX25YR1DA Y	0.00	16.74	0.0000	6.26	6.29	957
NRU0180	FEX25YR1DA Y	0.00	16.87	0.0000	153.25	130.01	140641
NRU0190	FEX25YR1DA Y	14.45	16.61	-0.0004	15.77	14.50	7041
NRU0210	FEX25YR1DA Y	14.45	16.54	0.0001	19.09	15.56	8657
NRU0230	FEX25YR1DA Y	13.39	15.18	0.0001	29.78	29.10	22474
NRU0250	FEX25YR1DA Y	14.62	16.62	-0.0001	175.95	167.92	29416
NRU0270	FEX25YR1DA Y	15.05	16.63	0.0000	146.36	145.60	2782
NRU0290	FEX25YR1DA Y	16.30	18.84	-0.0003	73.82	58.29	84058
NRU0310	FEX25YR1DA Y	16.13	17.16	0.0000	97.99	98.23	2501
NRU0330	FEX25YR1DA Y	18.25	18.17	0.0001	27.52	27.74	1352
NRU0335	FEX25YR1DA Y	0.00	19.36	0.0000	10.08	7.68	15390
NRU0340	FEX25YR1DA Y	0.00	18.87	0.0001	80.17	76.79	47969
NRU0343	FEX25YR1DA Y	0.00	19.55	0.0001	10.07	8.24	904
NRU0345	FEX25YR1DA Y	0.00	19.79	0.0001	70.59	63.69	86253
NRU0350	FEX25YR1DA Y	19.50	19.50	0.0001	22.26	17.24	37096
NRU0370	FEX25YR1DA Y	19.51	19.50	0.0001	14.91	15.00	24063
NRU0380	FEX25YR1DA Y	23.33	19.61	-0.0001	7.50	7.62	470
NRU0390	FEX25YR1DA Y	27.00	19.63	0.0000	22.02	7.50	34356
NRU0410	FEX25YR1DA Y	19.56	19.62	0.0001	9.29	9.48	1100
NRU0425	FEX25YR1DA Y	15.53	16.37	0.0001	7.69	4.53	4982
NRU0430	FEX25YR1DA Y	19.61	19.71	0.0001	9.14	9.29	1077
NRU0450	FEX25YR1DA Y	19.66	19.82	0.0001	8.99	9.14	1038
NRU0470	FEX25YR1DA Y	19.72	20.31	0.0001	9.86	8.99	801
NRU0490	FEX25YR1DA	20.36	20.72	0.0001	13.55	10.43	47012

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NRU0495	FEX25YR1DA Y	0.00	21.18	-0.0001	11.79	10.31	17161
NRU0500	FEX25YR1DA Y	0.00	21.27	0.0000	3.23	3.06	8085
NRU0510	FEX25YR1DA Y	19.67	20.30	0.0001	35.81	25.36	87146
NRU0530	FEX25YR1DA Y	16.95	17.76	0.0000	69.61	69.77	2252
NRU0550	FEX25YR1DA Y	17.92	18.42	0.0000	114.18	112.30	80336
NRU0570	FEX25YR1DA Y	18.16	18.79	0.0000	80.62	80.59	8047
NRU0590	FEX25YR1DA Y	18.51	19.35	0.0000	65.46	65.52	20547
NRU0610	FEX25YR1DA Y	18.78	19.60	0.0000	64.92	64.98	56285
NRU0612	FEX25YR1DA Y	0.00	19.61	0.0000	60.83	60.88	29093
NRU0615	FEX25YR1DA Y	0.00	19.93	0.0001	11.17	8.14	1934
NRU0616	FEX25YR1DA Y	0.00	20.31	0.0000	8.31	7.07	20104
NRU0618	FEX25YR1DA Y	0.00	20.65	0.0000	15.46	13.01	22246
NRU0620	FEX25YR1DA Y	0.00	20.05	0.0001	29.08	27.08	28379
NRU0630	FEX25YR1DA Y	18.79	19.69	0.0000	59.27	59.32	25256
NRU0650	FEX25YR1DA Y	18.79	19.71	0.0000	65.07	61.06	45800
NRU0670	FEX25YR1DA Y	18.78	19.73	0.0002	56.74	56.82	1429
NRU0690	FEX25YR1DA Y	18.84	19.74	0.0000	75.10	71.80	61914
NRU0710	FEX25YR1DA Y	18.86	19.74	0.0000	123.81	115.03	66421
NRU0730	FEX25YR1DA Y	18.85	19.75	0.0000	42.57	33.78	82431
NRU0740	FEX25YR1DA Y	0.00	19.74	0.0000	123.85	109.75	39526
NRU0745	FEX25YR1DA Y	0.00	19.75	0.0000	116.35	97.29	64802
NRU0750	FEX25YR1DA Y	18.87	19.75	0.0000	141.31	45.72	294962
NRU0770	FEX25YR1DA Y	18.88	19.75	0.0000	27.24	27.51	1008

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0785	FEX25YR1DA Y	0.00	19.75	0.0000	105.96	89.21	75670
NRU0790	FEX25YR1DA Y	18.88	19.75	0.0000	164.56	133.48	171194
NRU0810	FEX25YR1DA Y	18.88	19.75	-0.0001	40.76	35.96	10751
NRU0820	FEX25YR1DA Y	0.00	19.74	0.0001	6.27	3.08	442
NRU0830	FEX25YR1DA Y	18.99	19.75	-0.0001	78.40	69.75	49765
NRU0850	FEX25YR1DA Y	19.11	19.75	-0.0001	69.92	69.73	1188
NRU0870	FEX25YR1DA Y	19.32	19.76	-0.0007	17.83	17.91	560
NRU0890	FEX25YR1DA Y	19.35	19.76	0.0000	67.11	15.55	78168
NRU0910	FEX25YR1DA Y	19.35	19.76	0.0000	2.44	2.19	570
NRU0930	FEX25YR1DA Y	19.35	19.77	0.0000	2.59	2.44	1742
NRU0950	FEX25YR1DA Y	19.11	19.76	0.0000	111.97	92.87	40492
NRU0955	FEX25YR1DA Y	0.00	19.76	0.0000	136.36	101.85	64047
NRU0960	FEX25YR1DA Y	0.00	19.76	0.0000	186.04	175.64	44356
NRU0965	FEX25YR1DA Y	0.00	19.76	0.0000	215.81	198.86	133329
NRU0970	FEX25YR1DA Y	19.34	19.76	0.0000	76.68	44.83	93678
NRU0980	FEX25YR1DA Y	0.00	19.76	-0.0009	12.65	7.44	1097
NRU0990	FEX25YR1DA Y	19.39	19.76	0.0005	33.02	39.18	440
NRU1010	FEX25YR1DA Y	19.70	19.76	0.0001	33.27	33.02	39868
NRU1015	FEX25YR1DA Y	0.00	20.17	0.0000	21.67	12.35	36794
NRU1020	FEX25YR1DA Y	0.00	21.28	-0.0060	19.60	102.03	866
NRU1025	FEX25YR1DA Y	0.00	20.79	-0.0002	11.60	11.45	724
NRU1030	FEX25YR1DA Y	19.70	19.76	0.0001	95.52	79.67	145587
NRU1035	FEX25YR1DA Y	0.00	20.02	-0.0002	5.71	18.24	436
NRU1037	FEX25YR1DA	0.00	19.77	0.0000	2.15	1.98	641

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NRU1040	FEX25YR1DA Y	0.00	19.76	0.0001	66.41	59.30	92685
NRU1045	FEX25YR1DA Y	0.00	21.36	0.0001	18.74	14.24	33036
NRU1046	FEX25YR1DA Y	0.00	21.32	0.0060	14.24	12.59	933
NRU1050	FEX25YR1DA Y	19.70	19.76	0.0000	94.55	82.00	152104
NRU1070	FEX25YR1DA Y	19.83	19.76	0.0000	38.67	37.56	41781
NRU1090	FEX25YR1DA Y	18.86	19.75	0.0000	14.59	14.13	919
NRU1110	FEX25YR1DA Y	18.86	19.75	0.0001	66.81	37.77	91228
NRU1130	FEX25YR1DA Y	18.86	19.75	-0.0002	9.47	8.65	769
NRU1150	FEX25YR1DA Y	18.86	19.75	0.0001	58.83	48.69	110713
NRU1170	FEX25YR1DA Y	18.86	19.74	0.0001	44.62	40.51	114846
NRU1182	FEX25YR1DA Y	0.00	19.74	0.0000	14.56	8.87	24203
NRU1184	FEX25YR1DA Y	0.00	19.70	0.0000	13.43	13.32	872
NRU1185	FEX25YR1DA Y	0.00	19.67	0.0000	15.83	10.77	65843
NRU1186	FEX25YR1DA Y	0.00	19.71	0.0000	4.86	4.69	787
NRU1188	FEX25YR1DA Y	0.00	19.69	0.0000	18.81	4.99	67998
NRU1190	FEX25YR1DA Y	18.86	19.76	0.0000	4.77	3.17	576
NRU1210	FEX25YR1DA Y	18.86	19.77	0.0001	7.16	7.13	893
NRU1220	FEX25YR1DA Y	0.00	20.39	0.0000	20.94	16.73	33107
NRU1225	FEX25YR1DA Y	0.00	22.08	0.0000	5.56	5.36	436
NRU1230	FEX25YR1DA Y	18.88	19.74	0.0003	12.10	11.86	874
NRU1232	FEX25YR1DA Y	0.00	19.74	0.0001	8.93	8.68	862
NRU1234	FEX25YR1DA Y	0.00	19.74	0.0004	73.27	59.72	13395
NRU1240	FEX25YR1DA Y	0.00	19.74	-0.0006	34.66	146.90	20341

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1250	FEX25YR1DA Y	4.07	4.67	0.0001	283.37	283.35	2104
NRU1270	FEX25YR1DA Y	4.78	5.36	-0.0002	278.76	278.77	1667
NRU1290	FEX25YR1DA Y	5.41	6.03	0.0001	263.93	264.10	3103
NRU1310	FEX25YR1DA Y	6.42	7.07	-0.0001	263.76	263.93	5052
NRU1330	FEX25YR1DA Y	8.29	9.13	0.0001	332.63	332.60	3357
NRU1350	FEX25YR1DA Y	9.32	10.40	0.0001	326.81	326.70	2409
NRU1370	FEX25YR1DA Y	11.03	12.63	0.0001	322.67	319.92	6443
NRU1390	FEX25YR1DA Y	11.84	13.05	0.0001	74.95	64.06	27862
NRU1410	FEX25YR1DA Y	12.56	14.05	0.0002	262.92	263.06	7289
NRU1430	FEX25YR1DA Y	15.53	16.37	-0.0001	69.08	33.47	83136
NRU1450	FEX25YR1DA Y	15.94	16.25	0.0001	44.99	43.75	9361
NRU1470	FEX25YR1DA Y	15.97	16.30	0.0001	7.07	7.04	981
NRU1490	FEX25YR1DA Y	16.09	16.51	0.0001	10.96	8.48	16746
NRU1510	FEX25YR1DA Y	15.12	16.86	0.0001	218.74	216.07	115254
NRU1530	FEX25YR1DA Y	15.71	16.91	-0.0001	93.55	100.19	24379
NRU1550	FEX25YR1DA Y	15.40	16.86	0.0000	80.94	81.93	12043
NRU1570	FEX25YR1DA Y	16.20	17.49	0.0000	54.23	52.25	14360
NRU1590	FEX25YR1DA Y	16.40	17.49	0.0000	9.57	8.12	8325
NRU1610	FEX25YR1DA Y	16.56	17.85	0.0001	42.62	39.60	30203
NRU1630	FEX25YR1DA Y	16.69	17.87	0.0001	35.96	36.04	1538
NRU1650	FEX25YR1DA Y	16.84	17.89	0.0001	35.88	35.96	34093
NRU1670	FEX25YR1DA Y	16.89	17.90	0.0001	97.70	34.39	184791
NRU1690	FEX25YR1DA Y	16.89	17.79	0.0001	47.35	45.98	8672
NRU1710	FEX25YR1DA	16.60	17.72	-0.0001	34.99	34.74	1396

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NRU1730	FEX25YR1DA Y	16.58	17.72	0.0000	98.71	25.48	169730
NRU1750	FEX25YR1DA Y	16.58	17.72	0.0002	17.46	16.89	720
NRU1770	FEX25YR1DA Y	16.58	17.72	0.0000	33.11	33.04	7974
NRU1790	FEX25YR1DA Y	17.21	18.03	0.0000	11.38	8.44	15610
NRU1810	FEX25YR1DA Y	16.58	17.72	0.0000	12.28	7.96	24253
NRU1830	FEX25YR1DA Y	17.12	17.95	0.0000	26.96	21.71	17854
NRU1850	FEX25YR1DA Y	17.07	18.01	0.0001	24.94	24.80	1049
NRU1870	FEX25YR1DA Y	17.20	18.16	0.0001	25.09	24.94	908
NRU1890	FEX25YR1DA Y	17.38	18.35	0.0001	55.64	25.09	85612
NRU1910	FEX25YR1DA Y	17.71	18.36	0.0001	24.25	19.59	25114
NRU1930	FEX25YR1DA Y	15.71	16.91	0.0001	56.36	85.56	100423
NRU1950	FEX25YR1DA Y	16.43	17.30	0.0001	53.33	53.64	1646
NRU1970	FEX25YR1DA Y	16.86	17.54	0.0001	53.04	53.33	1037
NRU1990	FEX25YR1DA Y	17.09	17.67	-0.0001	52.74	53.04	1719
NRU2010	FEX25YR1DA Y	18.02	18.44	0.0001	12.96	11.08	3773
NRU2030	FEX25YR1DA Y	18.39	18.59	-0.0001	13.25	10.89	32946
NRU2050	FEX25YR1DA Y	18.40	18.61	0.0001	4.98	4.58	453
NRU2070	FEX25YR1DA Y	18.41	18.61	-0.0001	5.55	4.98	19221
NRU2090	FEX25YR1DA Y	17.16	17.70	-0.0001	39.44	39.73	3958
NRU2110	FEX25YR1DA Y	17.28	17.75	0.0001	37.04	37.34	4873
NRU2130	FEX25YR1DA Y	17.49	17.85	-0.0001	37.58	37.25	1933
NRU2150	FEX25YR1DA Y	17.69	18.15	0.0001	9.09	6.28	20111
NRU2170	FEX25YR1DA Y	17.07	17.77	0.0001	3.62	3.70	770

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU2190	FEX25YR1DA Y	17.08	17.78	0.0000	13.04	3.62	30792
NRU2210	FEX25YR1DA Y	17.33	17.67	0.0001	7.52	7.48	540
NRU2230	FEX25YR1DA Y	17.33	17.68	0.0000	41.47	12.06	99572
NRU2250	FEX25YR1DA Y	17.31	17.61	0.0001	6.43	5.80	16687
NRU2270	FEX25YR1DA Y	17.61	17.92	0.0001	30.98	30.50	3385
NRU2290	FEX25YR1DA Y	17.67	17.94	-0.0002	22.05	22.31	1498
NRU2310	FEX25YR1DA Y	17.68	17.94	0.0001	17.63	19.20	9675
NRU2330	FEX25YR1DA Y	17.68	17.95	0.0004	32.90	8.17	4106
NRU2350	FEX25YR1DA Y	17.68	17.94	-0.0002	5.38	30.85	654
NRU2370	FEX25YR1DA Y	17.37	17.60	0.0001	5.23	5.38	528
NRU2390	FEX25YR1DA Y	17.36	17.60	0.0000	11.92	5.23	34396
NRU2410	FEX25YR1DA Y	17.72	17.87	0.0001	14.94	14.88	9175
NRU2430	FEX25YR1DA Y	17.83	17.88	0.0001	11.78	11.84	6842
NRU2450	FEX25YR1DA Y	18.06	17.96	0.0001	5.04	3.59	7470
NRU2470	FEX25YR1DA Y	15.72	16.91	0.0001	7.41	7.89	1460
NRU2490	FEX25YR1DA Y	15.75	16.93	0.0001	9.11	8.40	1431
NRU2510	FEX25YR1DA Y	15.75	16.93	0.0001	8.40	6.39	957
NRU2530	FEX25YR1DA Y	15.76	16.96	0.0001	5.80	5.95	582
NRU2550	FEX25YR1DA Y	16.53	17.30	0.0001	157.82	153.79	51572
NRU2570	FEX25YR1DA Y	17.71	18.36	0.0001	154.73	147.63	80281
NRU2590	FEX25YR1DA Y	18.30	18.53	0.0001	36.42	31.57	9049
NRU2610	FEX25YR1DA Y	18.62	19.04	0.0001	73.01	72.08	27211
NRU2630	FEX25YR1DA Y	19.41	19.49	-0.0002	62.90	61.52	51533
NRU2650	FEX25YR1DA	19.54	19.91	-0.0002	46.99	45.36	63614

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NRU2670	FEX25YR1DA Y	16.64	17.00	0.0000	32.70	31.27	12067
NRU2690	FEX25YR1DA Y	17.09	17.70	0.0000	208.17	100.83	395164
NSH02	FEX25YR1DA Y	0.00	21.12	-0.0003	15.82	62.17	11847
NSH03	FEX25YR1DA Y	0.00	20.39	0.0000	3.26	3.25	548
NSH04	FEX25YR1DA Y	0.00	19.46	0.0002	83.71	83.12	13733
NSH05	FEX25YR1DA Y	0.00	19.74	-0.0030	8.50	7.68	19281
NSH07	FEX25YR1DA Y	0.00	8.43	0.0001	58.24	58.19	10391
NSH08	FEX25YR1DA Y	0.00	9.38	0.0000	26.22	24.50	2239
NSH09	FEX25YR1DA Y	0.00	10.74	0.0000	78.56	78.34	18530
NSH10	FEX25YR1DA Y	0.00	19.10	0.0000	25.37	24.92	27025
NSH11	FEX25YR1DA Y	0.00	21.11	0.0000	8.99	8.92	6662
NSH12	FEX25YR1DA Y	0.00	19.18	0.0000	10.78	10.69	7535
NSH13	FEX25YR1DA Y	0.00	18.05	0.0000	31.46	30.97	20372
NSH14	FEX25YR1DA Y	0.00	17.84	0.0000	10.48	10.32	10875
NSH15	FEX25YR1DA Y	0.00	18.72	0.0000	6.41	6.36	5721
NSH17	FEX25YR1DA Y	0.00	17.28	0.0000	32.73	32.65	9147
NSH18	FEX25YR1DA Y	0.00	15.85	0.0000	29.97	29.89	10206
NSH19	FEX25YR1DA Y	0.00	11.66	0.0000	26.67	26.51	13425
NSH20	FEX25YR1DA Y	0.00	20.21	0.0000	4.09	3.91	12029
NSH21	FEX25YR1DA Y	0.00	11.25	-0.0001	32.52	32.45	11191
NSH22	FEX25YR1DA Y	0.00	14.40	0.0000	42.16	41.64	10416
NSH23	FEX25YR1DA Y	0.00	18.31	0.0000	14.18	13.92	4296
NSH24	FEX25YR1DA Y	0.00	14.40	0.0000	31.78	31.33	8714

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSH25	FEX25YR1DA Y	0.00	14.12	0.0001	21.54	20.20	13430
NSH26	FEX25YR1DA Y	0.00	14.02	0.0000	106.66	102.35	66255
NSH27	FEX25YR1DA Y	0.00	13.06	0.0000	30.04	26.28	40049
NSH27A	FEX25YR1DA Y	0.00	12.99	0.0000	18.46	16.99	921
NSH27AA	FEX25YR1DA Y	0.00	13.03	-0.0001	4.51	4.54	551
NSH27B	FEX25YR1DA Y	0.00	11.67	-0.0001	16.99	18.54	1033
NSH27C	FEX25YR1DA Y	0.00	9.39	-0.0002	18.54	17.31	1037
NSH28	FEX25YR1DA Y	0.00	9.89	0.0000	38.44	37.99	10815
NSH29	FEX25YR1DA Y	0.00	8.14	-0.0001	12.81	12.10	648
NSH31	FEX25YR1DA Y	0.00	9.87	0.0001	6.84	4.60	480
NSH33	FEX25YR1DA Y	0.00	16.73	0.0000	7.13	6.52	12091
NSH34	FEX25YR1DA Y	0.00	9.47	0.0001	77.85	77.81	6332
NSH35	FEX25YR1DA Y	0.00	8.09	-0.0001	82.29	82.28	4722
NSH36	FEX25YR1DA Y	0.00	8.06	-0.0002	22.11	21.97	805
NSH37	FEX25YR1DA Y	0.00	18.08	0.0000	20.27	20.22	7004
NSH41	FEX25YR1DA Y	0.00	19.08	0.0000	7.86	7.77	1028
NSH42	FEX25YR1DA Y	0.00	7.77	-0.0001	108.70	108.58	4955
NSH43	FEX25YR1DA Y	0.00	7.77	-0.0002	40.14	41.40	1745
NSH44	FEX25YR1DA Y	0.00	9.84	0.0003	63.35	63.35	876
NSH45	FEX25YR1DA Y	0.00	16.57	0.0000	59.08	58.11	31343
NSH48	FEX25YR1DA Y	0.00	18.31	0.0000	17.34	17.14	4748
NSH49	FEX25YR1DA Y	0.00	20.85	0.0000	19.42	18.08	18211
NSH50	FEX25YR1DA Y	0.00	19.66	0.0002	51.50	53.86	18179
NSH51	FEX25YR1DA	0.00	19.66	0.0001	36.63	26.78	60222

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NSH52	FEX25YR1DA Y	0.00	19.66	0.0001	90.05	79.33	34704
NSH53	FEX25YR1DA Y	0.00	19.66	-0.0001	26.78	23.37	5101
NSH54	FEX25YR1DA Y	0.00	19.66	0.0001	71.88	70.07	15998
NSH55	FEX25YR1DA Y	0.00	19.67	0.0001	63.52	62.04	28418
NSH56	FEX25YR1DA Y	0.00	19.68	-0.0001	28.17	28.28	5665
NSH57	FEX25YR1DA Y	0.00	19.74	0.0003	147.27	50.28	9064
NSH60	FEX25YR1DA Y	0.00	20.29	0.0002	16.91	16.93	979
NSH61	FEX25YR1DA Y	0.00	19.91	-0.0002	16.46	16.36	444
NSH65	FEX25YR1DA Y	0.00	20.61	0.0000	3.82	3.63	467
NSH75	FEX25YR1DA Y	0.00	8.16	0.0001	54.69	43.43	12574
NSH80	FEX25YR1DA Y	0.00	20.28	0.0000	4.64	4.96	10827
NSH81	FEX25YR1DA Y	0.00	20.78	0.0000	0.65	0.01	2540
NSH82	FEX25YR1DA Y	0.00	20.87	0.0000	3.03	1.34	6326
NSH83	FEX25YR1DA Y	0.00	20.74	0.0000	20.81	20.14	14304
NSR0000	FEX25YR1DA Y	2.00	2.00	0.0000	290.62	0.00	0
NSR0005	FEX25YR1DA Y	2.00	2.00	0.0000	7.82	0.00	0
NSR0010	FEX25YR1DA Y	2.00	2.00	0.0000	443.22	0.00	0
NSR0030	FEX25YR1DA Y	2.92	3.44	0.0000	460.21	443.22	219521
NSR0032	FEX25YR1DA Y	4.88	5.30	0.0000	14.54	10.44	23479
NSR0034	FEX25YR1DA Y	3.63	4.03	0.0000	80.29	70.76	59498
NSR0050	FEX25YR1DA Y	3.44	3.98	0.0000	398.59	400.56	101299
NSR0070	FEX25YR1DA Y	3.45	3.96	-0.0001	30.08	21.05	47044
NSR0090	FEX25YR1DA Y	3.68	4.04	-0.0001	40.66	34.76	26246

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0100	FEX25YR1DA Y	2.25	2.98	0.0000	7.90	7.82	524
NSR0102	FEX25YR1DA Y	4.24	4.45	0.0000	4.39	4.01	3250
NSR0105	FEX25YR1DA Y	1.91	2.86	-0.0290	290.66	290.62	484
NSR0110	FEX25YR1DA Y	3.93	4.25	0.0000	17.98	17.16	14944
NSR0112	FEX25YR1DA Y	2.31	3.24	0.0305	288.57	288.56	469
NSR0115	FEX25YR1DA Y	4.25	4.40	0.0000	3.76	3.43	9071
NSR0120	FEX25YR1DA Y	2.62	3.54	0.0304	285.60	285.65	479
NSR0130	FEX25YR1DA Y	4.16	4.74	0.0000	12.10	8.91	19778
NSR0135	FEX25YR1DA Y	4.22	4.90	0.0000	4.58	4.09	3170
NSR0140	FEX25YR1DA Y	3.28	4.17	0.0111	282.95	282.96	477
NSR0150	FEX25YR1DA Y	3.64	4.32	0.0001	383.96	385.07	29291
NSR0160	FEX25YR1DA Y	3.56	4.43	0.0080	280.99	281.34	14263
NSR0165	FEX25YR1DA Y	4.03	5.31	0.0000	14.57	12.98	26496
NSR0170	FEX25YR1DA Y	3.70	5.04	0.0000	13.71	11.82	15218
NSR0180	FEX25YR1DA Y	3.83	5.01	0.0000	19.77	19.27	22664
NSR0190	FEX25YR1DA Y	4.04	4.62	-0.0001	50.07	50.23	3373
NSR0210	FEX25YR1DA Y	4.26	5.19	-0.0001	50.33	49.74	15796
NSR0230	FEX25YR1DA Y	4.26	5.19	0.0000	55.35	49.78	87264
NSR0250	FEX25YR1DA Y	3.93	4.54	0.0035	346.40	346.06	12764
NSR0270	FEX25YR1DA Y	3.98	4.63	0.0000	122.01	118.93	38535
NSR0280	FEX25YR1DA Y	5.41	5.94	0.0010	263.66	263.05	36004
NSR0281	FEX25YR1DA Y	5.97	6.61	0.0004	256.40	255.95	18912
NSR0290	FEX25YR1DA Y	6.70	7.01	-0.0004	126.74	125.57	39036
NSR0310	FEX25YR1DA	9.28	9.44	0.0001	111.22	109.57	65330

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NSR0330	FEX25YR1DA Y	9.65	9.99	0.0001	8.58	8.61	470
NSR0350	FEX25YR1DA Y	10.32	11.04	0.0001	8.56	8.58	446
NSR0370	FEX25YR1DA Y	10.35	11.07	0.0000	13.12	8.56	11956
NSR0390	FEX25YR1DA Y	11.96	12.29	0.0001	71.08	68.94	74546
NSR0410	FEX25YR1DA Y	12.27	12.82	-0.0001	10.20	11.00	510
NSR0430	FEX25YR1DA Y	12.28	12.83	0.0000	10.82	10.20	23516
NSR0450	FEX25YR1DA Y	13.04	14.07	-0.0001	47.12	46.36	35223
NSR0470	FEX25YR1DA Y	13.10	14.47	-0.0002	34.19	33.79	14534
NSR0490	FEX25YR1DA Y	4.41	4.85	0.0049	180.41	178.19	30432
NSR0510	FEX25YR1DA Y	4.48	5.07	-0.0008	96.39	96.69	17320
NSR0530	FEX25YR1DA Y	4.55	5.17	-0.0003	12.47	8.95	34966
NSR0540	FEX25YR1DA Y	4.55	5.31	-0.0003	100.10	91.95	95811
NSR0550	FEX25YR1DA Y	4.56	5.33	0.0019	328.29	328.79	25199
NSR0560	FEX25YR1DA Y	4.66	5.36	0.0005	123.34	126.44	83720
NSR0570	FEX25YR1DA Y	5.28	5.60	0.0002	127.18	127.57	60904
NSR0580	FEX25YR1DA Y	6.13	6.55	-0.0001	24.99	17.71	103400
NSR0590	FEX25YR1DA Y	6.15	6.56	-0.0001	97.59	94.24	59333
NSR0610	FEX25YR1DA Y	6.26	6.60	-0.0002	78.14	69.58	70700
NSR0630	FEX25YR1DA Y	6.26	6.60	-0.0001	16.69	16.76	475
NSR0650	FEX25YR1DA Y	6.25	6.59	-0.0001	78.77	60.67	187369
NSR0660	FEX25YR1DA Y	6.13	6.55	-0.0001	57.95	34.35	72153
NSR0670	FEX25YR1DA Y	6.24	6.58	-0.0001	6.81	7.48	520
NSR0680	FEX25YR1DA Y	6.14	6.53	-0.0001	38.43	34.74	148535

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0690	FEX25YR1DA Y	6.24	6.58	-0.0001	6.42	6.81	599
NSR0710	FEX25YR1DA Y	6.23	6.58	0.0000	6.34	6.42	861
NSR0730	FEX25YR1DA Y	6.29	6.63	0.0001	143.58	113.81	175672
NSR0770	FEX25YR1DA Y	6.81	7.49	0.0001	119.87	116.16	27081
NSR0780	FEX25YR1DA Y	6.74	7.05	-0.0001	38.22	37.02	29019
NSR0790	FEX25YR1DA Y	8.35	10.52	0.0002	393.69	358.95	78287
NSR0791	FEX25YR1DA Y	7.13	8.52	0.0002	243.86	243.87	5596
NSR0809	FEX25YR1DA Y	12.76	11.67	-0.0004	75.19	93.42	2120
NSR0810	FEX25YR1DA Y	13.45	13.60	-0.0002	217.51	216.71	60336
NSR0830	FEX25YR1DA Y	15.10	15.38	-0.0002	240.83	236.45	142897
NSR0840	FEX25YR1DA Y	16.09	16.18	0.0001	36.48	36.93	41967
NSR0850	FEX25YR1DA Y	15.64	15.93	-0.0003	169.35	162.35	80811
NSR0860	FEX25YR1DA Y	16.41	16.45	0.0000	10.53	10.39	14299
NSR0869	FEX25YR1DA Y	16.03	16.32	0.0001	30.30	30.06	1504
NSR0870	FEX25YR1DA Y	16.24	16.53	0.0002	123.07	122.80	39531
NSR0880	FEX25YR1DA Y	16.24	16.55	0.0001	48.77	48.49	18764
NSR0881	FEX25YR1DA Y	14.14	17.58	0.0005	290.31	284.79	194796
NSR0890	FEX25YR1DA Y	4.02	4.59	-0.0845	274.26	281.96	64443
NSR0910	FEX25YR1DA Y	4.79	5.28	0.0019	206.02	206.24	43772
NSR0930	FEX25YR1DA Y	5.54	6.52	0.0000	192.58	44.65	318851
NSR0950	FEX25YR1DA Y	5.63	6.52	0.0004	316.11	310.57	102855
NSR0970	FEX25YR1DA Y	6.14	6.69	0.0002	139.44	139.39	3616
NSR0990	FEX25YR1DA Y	6.27	6.73	0.0001	225.72	225.35	4382
NSR1010	FEX25YR1DA	6.30	6.76	0.0000	50.55	49.42	14483

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NSR1030	FEX25YR1DA Y	8.54	9.10	-0.0001	177.35	176.91	9932
NSR1050	FEX25YR1DA Y	8.56	9.15	0.0000	96.46	94.41	25979
NSR1070	FEX25YR1DA Y	9.58	9.75	-0.0007	232.90	230.93	61310
NSR1090	FEX25YR1DA Y	11.30	11.44	-0.0004	157.02	157.04	8417
NSR1110	FEX25YR1DA Y	11.57	11.59	0.0000	3.13	3.12	2996
NSR1130	FEX25YR1DA Y	11.29	11.38	0.0000	30.74	30.71	15467
NSR1150	FEX25YR1DA Y	11.39	11.58	0.0000	7.66	5.50	10711
NSR1170	FEX25YR1DA Y	11.38	11.57	0.0000	4.31	3.44	450
NSR1190	FEX25YR1DA Y	12.70	13.25	0.0000	156.21	156.21	13789
NSR1210	FEX25YR1DA Y	12.70	13.25	-0.0001	27.40	8.20	84114
NSR1230	FEX25YR1DA Y	14.76	15.35	0.0000	153.57	153.55	9678
NSR1270	FEX25YR1DA Y	14.99	15.54	0.0000	153.61	153.57	6276
NSR1290	FEX25YR1DA Y	14.99	15.54	0.0000	11.41	2.53	24888
NSR1310	FEX25YR1DA Y	14.99	15.54	0.0000	33.23	12.87	122814
NSR1330	FEX25YR1DA Y	15.44	16.21	0.0000	152.71	151.46	22925
NSR1350	FEX25YR1DA Y	15.45	16.22	0.0000	37.91	21.62	214387
NSR1370	FEX25YR1DA Y	15.56	16.30	0.0000	154.00	144.50	21929
NSR1390	FEX25YR1DA Y	15.56	16.30	0.0000	4.40	3.21	5676
NSR1410	FEX25YR1DA Y	15.56	16.30	-0.0001	31.34	29.07	49496
NSR1430	FEX25YR1DA Y	15.76	16.40	0.0000	57.50	47.48	47359
NSR1450	FEX25YR1DA Y	15.74	16.40	0.0000	83.34	52.31	125032
NSR1470	FEX25YR1DA Y	15.96	16.41	0.0000	57.39	49.08	54252
NSR1490	FEX25YR1DA Y	16.21	16.44	0.0000	64.35	44.21	165994

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR1510	FEX25YR1DA Y	16.21	16.45	0.0000	37.83	34.73	33738
NSR1530	FEX25YR1DA Y	15.56	16.30	0.0000	6.59	4.40	16052
NSR1550	FEX25YR1DA Y	15.68	16.39	-0.0001	153.29	144.76	34084
NSR1570	FEX25YR1DA Y	15.68	16.39	0.0000	13.25	9.79	20453
NSR1590	FEX25YR1DA Y	15.68	16.39	-0.0001	67.92	59.61	41596
NSR1610	FEX25YR1DA Y	15.75	16.46	-0.0004	24.49	20.02	36160
NSR1630	FEX25YR1DA Y	15.75	16.46	0.0000	102.76	97.77	20547
NSR1650	FEX25YR1DA Y	16.39	17.10	0.0000	3.71	3.71	436
NSR1670	FEX25YR1DA Y	15.92	17.01	-0.0002	90.67	82.00	50545
NSR1690	FEX25YR1DA Y	16.24	17.13	0.0000	89.45	84.27	22629
NSR1710	FEX25YR1DA Y	16.25	17.13	0.0000	9.44	9.28	21285
NSR1730	FEX25YR1DA Y	16.32	17.18	0.0000	87.02	82.68	15571
NSR1750	FEX25YR1DA Y	16.68	17.18	0.0000	3.90	3.90	1675
NSR1770	FEX25YR1DA Y	17.23	17.48	0.0000	27.76	14.97	22067
NSR1790	FEX25YR1DA Y	17.24	17.49	0.0000	33.66	17.03	38178
NSR1810	FEX25YR1DA Y	17.25	17.49	0.0000	9.40	7.25	16410
NSR1830	FEX25YR1DA Y	17.25	17.48	0.0000	71.04	67.84	107607
NSR1850	FEX25YR1DA Y	16.95	18.06	0.0000	13.05	10.96	13811
NSR1870	FEX25YR1DA Y	16.93	18.06	0.0001	70.26	35.45	164989
NSR1890	FEX25YR1DA Y	16.05	18.07	0.0001	13.36	13.76	1056
NSR1910	FEX25YR1DA Y	15.45	18.07	0.0004	102.72	83.34	145067
NSR1930	FEX25YR1DA Y	16.53	17.30	0.0001	63.49	63.05	7668
NSR1950	FEX25YR1DA Y	16.70	17.30	-0.0001	20.86	20.82	12755
NSR1970	FEX25YR1DA	16.84	17.69	-0.0001	37.66	27.48	69834

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NSR1990	FEX25YR1DA Y	16.86	17.55	0.0000	9.67	8.62	949
NSR2010	FEX25YR1DA Y	16.91	17.42	-0.0001	18.87	11.23	45608
NSR2030	FEX25YR1DA Y	16.90	17.29	-0.0001	11.23	11.23	751
NSR2050	FEX25YR1DA Y	16.88	17.06	0.0000	18.85	17.62	22634
NSR2070	FEX25YR1DA Y	16.81	17.04	0.0000	6.48	6.45	781
NSR2090	FEX25YR1DA Y	16.72	17.02	0.0000	6.45	6.42	673
NSR2110	FEX25YR1DA Y	16.54	16.97	0.0000	21.19	20.47	27949
NSR2130	FEX25YR1DA Y	16.50	16.56	0.0000	19.95	16.42	89609
NSR2150	FEX25YR1DA Y	17.60	17.70	0.0000	73.03	53.60	223566
NSR2170	FEX25YR1DA Y	17.62	17.72	-0.0001	26.81	26.60	2087
NSR2190	FEX25YR1DA Y	17.62	17.73	-0.0001	27.01	26.81	967
NSR2210	FEX25YR1DA Y	17.62	17.75	0.0000	69.92	53.83	140153
NSR2230	FEX25YR1DA Y	17.62	17.74	-0.0001	20.52	20.04	675
NSR2250	FEX25YR1DA Y	17.63	17.75	-0.0001	24.49	20.52	14264
NSR2270	FEX25YR1DA Y	17.63	17.75	-0.0001	29.65	21.82	30815
NSR2290	FEX25YR1DA Y	17.63	17.75	-0.0002	18.82	18.59	888
NSR2310	FEX25YR1DA Y	17.63	17.76	0.0000	22.65	18.94	25548
NSR2330	FEX25YR1DA Y	17.65	18.13	0.0000	24.45	12.55	49241
NSR2350	FEX25YR1DA Y	17.65	18.13	0.0001	28.55	13.61	74170
NSR2370	FEX25YR1DA Y	16.66	17.40	0.0000	41.01	36.55	9676
NSR2390	FEX25YR1DA Y	18.07	18.09	0.0000	15.33	9.69	66867
NSR2410	FEX25YR1DA Y	16.66	17.41	0.0000	49.87	32.94	19694
NSR2430	FEX25YR1DA Y	17.99	18.01	0.0000	3.40	3.38	3286

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR2450	FEX25YR1DA Y	18.06	18.19	0.0000	45.58	44.44	23137
NSR3000	FEX25YR1DA Y	17.04	18.07	-0.0727	10.30	49.45	47661
NSR3005	FEX25YR1DA Y	17.02	18.07	0.1453	49.45	4.05	566
NSR3020	FEX25YR1DA Y	17.61	17.89	-0.0001	83.66	83.33	74194
NSR3040	FEX25YR1DA Y	16.25	16.56	0.0000	97.84	95.03	83066
NSR3060	FEX25YR1DA Y	16.21	16.44	0.0001	31.23	30.31	48876
NSW0010	FEX25YR1DA Y	2.00	2.00	0.0000	30.57	0.00	0
NSW0030	FEX25YR1DA Y	2.13	3.22	-0.0003	30.57	30.57	587
NSW0050	FEX25YR1DA Y	4.04	5.74	-0.0002	38.39	30.57	16182
Outfall	FEX25YR1DA Y	2.00	2.00	0.0000	86.10	0.00	0
Outfall_NE	FEX25YR1DA Y	21.00	20.77	0.0003	8.66	0.00	0
PondA	FEX25YR1DA Y	0.00	20.30	0.0000	22.26	10.99	79675
PondB	FEX25YR1DA Y	0.00	17.27	0.0000	176.25	154.62	160323
SH_OUTFALL	FEX25YR1DA Y	2.00	2.00	0.0000	332.34	0.00	0
STORAGE1	FEX25YR1DA Y	0.00	20.54	0.0000	5.80	1.24	7405
STORAGE10	FEX25YR1DA Y	0.00	20.61	0.0000	3.63	0.04	9148
STORAGE11	FEX25YR1DA Y	0.00	21.12	0.0001	62.17	0.01	18648
STORAGE12	FEX25YR1DA Y	0.00	21.28	0.0004	98.60	5.91	10262
STORAGE13	FEX25YR1DA Y	0.00	20.02	0.0001	17.02	0.56	5323
STORAGE14	FEX25YR1DA Y	0.00	22.08	0.0000	5.36	0.00	13395
STORAGE2	FEX25YR1DA Y	0.00	19.75	0.0001	26.36	2.98	18426
STORAGE4	FEX25YR1DA Y	0.00	19.75	0.0003	87.08	3.43	12088
STORAGE5	FEX25YR1DA Y	0.00	21.33	0.0000	15.67	6.59	20042
STORAGE8	FEX25YR1DA	0.00	19.73	0.0000	3.08	0.93	6098

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
STORAGE9	FEX25YR1DA Y	0.00	20.29	0.0014	14.24	2.73	11761
Sevilla1	FEX25YR1DA Y	1.20	2.24	0.0000	0.06	0.05	804
Sevilla2	FEX25YR1DA Y	1.23	2.13	0.0000	0.03	0.02	610
Sevilla3	FEX25YR1DA Y	1.20	2.24	0.0000	0.17	0.13	1339
Sevilla4	FEX25YR1DA Y	1.20	2.24	0.0000	0.28	0.22	1450
Shamrock2	FEX25YR1DA Y	1.11	2.13	0.0007	86.10	86.10	5389
Shmrck1.1	FEX25YR1DA Y	1.38	2.41	0.0001	86.12	86.12	6206
Shmrck1.2	FEX25YR1DA Y	1.20	2.24	0.0002	86.12	86.11	3971
V3	FEX25YR1DA Y	6.53	6.55	0.0000	0.14	0.09	36710
BC_N02	FEX50YR1DA Y	0.00	18.00	0.0000	18.71	0.00	0
Church1	FEX50YR1DA Y	8.77	10.58	0.0000	0.96	0.40	533
Church2	FEX50YR1DA Y	8.77	10.58	0.0000	9.35	8.90	4390
Clark1	FEX50YR1DA Y	7.21	8.25	0.0000	1.26	0.57	743
Clark2	FEX50YR1DA Y	7.21	8.25	-0.0001	66.82	66.51	22560
DM1	FEX50YR1DA Y	11.42	12.16	0.0000	10.55	10.53	1416
DM2	FEX50YR1DA Y	10.30	10.92	0.0000	10.53	10.72	2201
DM3	FEX50YR1DA Y	9.16	10.63	0.0000	10.72	9.35	2980
E_Outlet	FEX50YR1DA Y	0.00	16.70	0.0004	158.72	49.82	0
E_Outlet2	FEX50YR1DA Y	0.00	17.00	0.0000	20.68	0.00	0
EIP_Hes.1	FEX50YR1DA Y	1.99	3.88	0.0002	1.31	0.88	763
EIP_con.1	FEX50YR1DA Y	2.18	4.11	0.0014	93.77	95.72	4221
EIPrad.1	FEX50YR1DA Y	1.99	3.88	0.0000	0.63	0.38	632
G1	FEX50YR1DA Y	14.98	16.30	-0.0030	171.76	118.94	40654

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
G10	FEX50YR1DA Y	8.77	10.55	-0.0002	66.84	66.82	4603
G2	FEX50YR1DA Y	14.99	16.25	-0.0003	56.34	52.12	32934
G3	FEX50YR1DA Y	14.86	16.23	-0.0004	167.06	166.84	27807
G4	FEX50YR1DA Y	12.82	15.18	-0.0005	166.84	165.88	57263
G5	FEX50YR1DA Y	11.69	14.01	-0.0003	106.73	99.08	46141
G6	FEX50YR1DA Y	11.00	9.24	0.0000	14.69	0.00	0
G7	FEX50YR1DA Y	11.00	12.41	0.0000	74.68	74.06	3601
G8	FEX50YR1DA Y	10.07	11.35	0.0000	61.13	60.54	2143
G9	FEX50YR1DA Y	9.41	10.82	0.0001	60.54	59.90	1353
H1	FEX50YR1DA Y	1.99	5.25	-0.0002	37.22	36.85	16505
H2.1	FEX50YR1DA Y	1.99	3.88	0.0017	125.75	127.88	6105
Hubert	FEX50YR1DA Y	3.16	4.79	-0.0001	68.81	73.53	5965
JUNCT1	FEX50YR1DA Y	0.00	19.19	0.0000	13.04	12.68	5103
JUNCT10	FEX50YR1DA Y	0.00	22.23	0.0000	77.66	77.60	11013
JUNCT2	FEX50YR1DA Y	0.00	14.47	0.0000	40.83	40.81	3144
JUNCT3	FEX50YR1DA Y	0.00	20.05	0.0000	15.40	15.02	10386
JUNCT4	FEX50YR1DA Y	0.00	13.73	0.0000	9.14	9.14	5549
JUNCT6	FEX50YR1DA Y	0.00	17.54	-0.0013	205.68	807.71	10285
JUNCT7	FEX50YR1DA Y	0.00	20.14	-0.0001	147.12	146.78	8392
JUNCT7B	FEX50YR1DA Y	0.00	20.13	-0.0001	154.61	147.17	18403
JUNCT8	FEX50YR1DA Y	0.00	20.14	0.0001	239.26	238.60	11637
JUNCT8B	FEX50YR1DA Y	0.00	20.13	-0.0001	238.60	228.30	26049
JUNCT9	FEX50YR1DA Y	0.00	29.64	0.0000	77.77	77.89	9858
L1	FEX50YR1DA	11.53	12.13	0.0000	59.88	61.70	51706

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
L2	FEX50YR1DA Y	11.63	11.81	0.0000	16.28	16.70	32936
L3	FEX50YR1DA Y	10.43	10.71	0.0000	33.51	33.07	46104
L4	FEX50YR1DA Y	8.43	8.67	0.0000	16.36	16.42	50838
L5	FEX50YR1DA Y	7.63	7.78	0.0000	7.02	6.65	43662
L6	FEX50YR1DA Y	6.93	7.02	0.0000	2.90	2.63	43812
Lois	FEX50YR1DA Y	4.82	5.44	-0.0001	66.51	68.81	6808
M1	FEX50YR1DA Y	2.58	6.73	0.0003	66.58	68.42	24875
M1.1	FEX50YR1DA Y	6.33	7.06	0.0000	68.83	66.58	35314
M1.2	FEX50YR1DA Y	7.03	7.44	0.0000	52.55	53.53	28599
M1.3	FEX50YR1DA Y	7.13	7.75	0.0000	46.11	45.21	28491
M2	FEX50YR1DA Y	2.58	6.18	-0.0006	80.98	75.02	60750
M3	FEX50YR1DA Y	2.58	5.77	-0.0005	76.09	78.46	39418
M4	FEX50YR1DA Y	2.58	5.58	-0.0006	78.61	65.16	52777
M5.1	FEX50YR1DA Y	2.57	4.52	0.0005	94.10	93.77	6163
M6	FEX50YR1DA Y	2.58	4.52	0.0001	1.65	1.38	558
Marjory_Pump	FEX50YR1DA Y	0.00	37.60	0.0102	3.62	3.19	496
N01	FEX50YR1DA Y	0.00	20.90	0.0000	33.04	21.74	37876
N01A	FEX50YR1DA Y	0.00	20.88	0.0000	7.13	7.01	437
N02	FEX50YR1DA Y	0.00	18.68	-0.0002	45.55	35.30	61713
N03	FEX50YR1DA Y	0.00	19.88	0.0001	25.88	22.98	21461
N04	FEX50YR1DA Y	0.00	19.95	0.0000	21.68	10.45	23083
N05	FEX50YR1DA Y	0.00	18.51	0.0000	121.47	119.88	4391
N06	FEX50YR1DA Y	0.00	17.48	0.0002	80.43	80.45	3292

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
N07A	FEX50YR1DA Y	0.00	17.12	0.0002	82.91	82.93	4248
N08A	FEX50YR1DA Y	0.00	16.09	0.0004	148.54	140.68	27710
N09	FEX50YR1DA Y	0.00	14.03	0.0001	27.11	27.08	1872
N09A	FEX50YR1DA Y	0.00	13.49	0.0003	143.12	143.13	1358
N10	FEX50YR1DA Y	2.00	2.00	0.0000	373.15	0.00	0
N11	FEX50YR1DA Y	0.00	17.69	-0.0008	239.39	158.72	475237
NBB0010	FEX50YR1DA Y	2.00	2.00	0.0000	139.88	0.00	0
NBB0030	FEX50YR1DA Y	5.03	7.76	-0.0005	139.88	139.88	557
NBB0050	FEX50YR1DA Y	9.15	13.51	-0.0003	226.02	139.88	127349
NBB0070	FEX50YR1DA Y	11.30	14.22	-0.0001	114.24	113.19	2549
NBB0090	FEX50YR1DA Y	12.67	14.27	0.0001	128.33	128.20	3745
NBB0110	FEX50YR1DA Y	13.46	15.74	0.0001	117.56	117.56	1982
NBB0130	FEX50YR1DA Y	15.26	16.90	-0.0003	62.47	50.64	53657
NBB0150	FEX50YR1DA Y	14.01	16.12	0.0001	73.00	73.14	1935
NBB0170	FEX50YR1DA Y	14.74	16.65	0.0001	72.92	73.00	1452
NBB0190	FEX50YR1DA Y	15.42	17.21	0.0001	82.02	72.92	83437
NBB0210	FEX50YR1DA Y	15.70	17.22	0.0001	70.25	70.31	1556
NBB0230	FEX50YR1DA Y	16.02	17.23	0.0001	70.18	70.25	12812
NBB0250	FEX50YR1DA Y	16.31	17.53	0.0001	69.40	69.46	2036
NBB0270	FEX50YR1DA Y	17.05	18.01	0.0001	68.41	69.40	37293
NBB0290	FEX50YR1DA Y	17.06	18.01	-0.0001	53.47	54.50	1258
NBB0310	FEX50YR1DA Y	17.07	18.01	-0.0002	226.84	110.95	558215
NBB0330	FEX50YR1DA Y	16.57	17.27	0.0001	49.44	44.89	44470
NBB0350	FEX50YR1DA	16.45	17.26	0.0001	28.92	29.78	1396

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NBB0370	FEX50YR1DA Y	16.33	17.26	0.0001	97.88	58.55	76857
NBB0390	FEX50YR1DA Y	16.32	17.26	-0.0001	21.93	22.67	1832
NBB0410	FEX50YR1DA Y	16.30	17.26	-0.0002	77.37	55.26	57174
NBB0430	FEX50YR1DA Y	15.45	16.32	-0.0003	156.97	194.61	67752
NBW0010	FEX50YR1DA Y	2.00	2.00	0.0000	992.76	0.00	0
NBW0030	FEX50YR1DA Y	3.39	4.84	0.0002	993.76	992.76	66109
NBW0050	FEX50YR1DA Y	3.92	5.31	0.0000	89.86	83.81	56831
NBW0070	FEX50YR1DA Y	3.57	5.16	-0.0005	309.51	519.20	62664
NBW0090	FEX50YR1DA Y	3.66	4.98	0.0000	34.38	38.51	49846
NBW0130	FEX50YR1DA Y	3.73	5.26	0.0000	309.41	310.18	14686
NBW0150	FEX50YR1DA Y	3.93	5.08	-0.0001	31.70	31.16	20376
NBW0170	FEX50YR1DA Y	3.98	5.04	0.0001	32.13	32.88	48347
NBW0190	FEX50YR1DA Y	3.89	5.36	-0.0001	309.17	309.41	5986
NBW0210	FEX50YR1DA Y	6.25	6.43	0.0000	14.06	13.74	7418
NBW0230	FEX50YR1DA Y	4.01	5.60	0.0001	308.16	308.40	6159
NBW0250	FEX50YR1DA Y	4.88	6.40	0.0000	307.14	307.23	5687
NBW0270	FEX50YR1DA Y	5.49	6.44	0.0001	64.83	57.63	49501
NBW0290	FEX50YR1DA Y	5.91	6.44	0.0000	50.56	48.68	34542
NBW0310	FEX50YR1DA Y	6.38	7.46	0.0000	21.63	14.82	40296
NBW0330	FEX50YR1DA Y	5.50	7.14	0.0000	299.02	298.96	24909
NBW0350	FEX50YR1DA Y	4.97	5.60	0.0000	14.13	14.11	10793
NBW0370	FEX50YR1DA Y	5.52	7.14	0.0001	10.83	9.45	17383
NBW0390	FEX50YR1DA Y	5.52	7.14	0.0001	17.31	8.12	64095

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW0410	FEX50YR1DA Y	5.54	7.26	-0.0002	297.46	297.61	3446
NBW0430	FEX50YR1DA Y	5.89	7.67	0.0000	11.22	10.16	50807
NBW0450	FEX50YR1DA Y	5.89	7.67	-0.0001	298.45	297.46	12326
NBW0470	FEX50YR1DA Y	5.89	7.67	0.0000	8.18	7.16	38486
NBW0490	FEX50YR1DA Y	5.92	7.80	-0.0001	296.59	296.40	3184
NBW0510	FEX50YR1DA Y	6.72	7.80	0.0000	7.42	7.40	24705
NBW0530	FEX50YR1DA Y	6.22	8.18	-0.0001	296.64	296.65	4802
NBW0550	FEX50YR1DA Y	6.72	9.29	0.0000	277.87	262.97	380217
NBW0570	FEX50YR1DA Y	7.09	9.26	0.0000	253.31	244.46	131522
NBW0590	FEX50YR1DA Y	10.03	10.31	0.0002	414.76	413.86	89027
NBW0610	FEX50YR1DA Y	6.45	8.41	0.0000	270.89	270.78	10531
NBW0630	FEX50YR1DA Y	6.22	8.18	0.0000	15.40	7.80	87077
NBW0650	FEX50YR1DA Y	6.66	9.25	0.0001	278.72	272.32	23104
NBW0670	FEX50YR1DA Y	6.66	9.25	0.0000	22.60	5.73	40589
NBW0690	FEX50YR1DA Y	6.71	9.28	-0.0001	216.87	216.81	11570
NBW0710	FEX50YR1DA Y	6.71	9.28	0.0000	29.11	10.38	82496
NBW0730	FEX50YR1DA Y	6.72	9.28	0.0001	236.72	212.31	268048
NBW0750	FEX50YR1DA Y	7.06	9.29	0.0001	293.85	275.94	143914
NBW0770	FEX50YR1DA Y	7.06	9.29	-0.0002	43.86	35.96	32961
NBW0790	FEX50YR1DA Y	8.11	9.29	0.0000	37.78	37.52	18839
NBW0810	FEX50YR1DA Y	7.06	9.29	0.0000	71.53	60.18	70880
NBW0830	FEX50YR1DA Y	8.41	9.30	0.0001	57.29	56.98	9616
NBW0850	FEX50YR1DA Y	10.17	10.12	0.0001	57.73	52.75	21327
NBW0870	FEX50YR1DA	7.06	9.31	0.0000	310.82	273.45	282379

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NBW0890	FEX50YR1DA Y	7.06	9.29	-0.0002	16.68	17.27	1027
NBW0910	FEX50YR1DA Y	7.06	9.30	0.0001	282.78	262.30	168404
NBW0930	FEX50YR1DA Y	8.03	9.32	0.0001	45.00	44.81	1301
NBW0950	FEX50YR1DA Y	8.82	9.35	-0.0001	82.02	45.00	168842
NBW0970	FEX50YR1DA Y	8.82	9.35	0.0002	40.32	38.48	37639
NBW0990	FEX50YR1DA Y	8.82	9.36	-0.0002	15.10	14.64	785
NBW1010	FEX50YR1DA Y	8.83	9.37	0.0000	38.51	38.47	1559
NBW1030	FEX50YR1DA Y	9.19	11.41	0.0000	97.24	37.80	72940
NBW1050	FEX50YR1DA Y	9.30	11.41	0.0001	16.70	16.09	900
NBW1070	FEX50YR1DA Y	9.34	11.41	0.0000	345.24	344.81	76254
NBW1090	FEX50YR1DA Y	3.78	5.32	0.0000	474.05	465.25	20111
NBW1130	FEX50YR1DA Y	4.51	5.59	0.0000	242.43	242.17	36815
NBW1150	FEX50YR1DA Y	4.53	5.68	0.0000	265.31	264.00	75435
NBW1169	FEX50YR1DA Y	4.09	5.45	0.0000	453.05	445.91	21742
NBW1170	FEX50YR1DA Y	4.30	5.58	-0.0001	446.97	444.55	8399
NBW1190	FEX50YR1DA Y	6.13	6.81	-0.0001	81.78	63.73	77133
NBW1210	FEX50YR1DA Y	7.17	7.80	-0.0002	326.18	322.26	170572
NBW1230	FEX50YR1DA Y	7.17	7.85	-0.0001	348.24	310.43	251094
NBW1250	FEX50YR1DA Y	4.74	6.13	-0.0001	406.73	403.87	7825
NBW1270	FEX50YR1DA Y	6.14	6.82	-0.0001	34.47	27.72	53674
NBW1310	FEX50YR1DA Y	5.21	6.33	0.0002	439.83	401.90	8702
NBW1330	FEX50YR1DA Y	7.56	8.98	-0.0021	329.36	375.15	3078
NBW1350	FEX50YR1DA Y	10.95	11.74	-0.0001	56.11	55.96	16310

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW1351	FEX50YR1DA Y	8.89	11.05	0.0004	306.43	306.51	28327
NBW1352	FEX50YR1DA Y	9.96	12.90	0.0006	300.06	300.06	7956
NBW1353	FEX50YR1DA Y	11.01	14.74	0.0005	294.62	294.64	8196
NBW1370	FEX50YR1DA Y	10.02	11.02	-0.0005	231.15	227.70	45872
NBW1390	FEX50YR1DA Y	15.24	15.52	0.0002	355.52	354.85	186246
NBW1410	FEX50YR1DA Y	15.58	15.81	0.0003	203.01	202.97	30996
NBW1430	FEX50YR1DA Y	15.79	15.91	0.0002	189.07	188.69	29105
NBW1450	FEX50YR1DA Y	16.94	17.18	-0.0003	330.60	329.98	124192
NBW1460	FEX50YR1DA Y	16.43	16.70	-0.0002	153.92	154.49	4273
NBW1470	FEX50YR1DA Y	17.14	17.50	-0.0005	397.66	390.07	246821
NBW1480	FEX50YR1DA Y	18.11	18.20	0.0001	19.46	19.33	17770
NBW1490	FEX50YR1DA Y	17.86	18.36	0.0001	242.08	238.98	142635
NBW1510	FEX50YR1DA Y	18.12	18.66	-0.0002	160.93	161.08	38136
NBW1530	FEX50YR1DA Y	17.92	18.70	0.0000	13.62	12.22	1169
NBW1550	FEX50YR1DA Y	17.75	18.75	0.0001	61.96	54.59	43313
NBW1570	FEX50YR1DA Y	18.21	18.84	-0.0001	159.48	159.63	2604
NBW1590	FEX50YR1DA Y	18.12	18.65	0.0000	67.65	68.05	23407
NBW1610	FEX50YR1DA Y	18.13	18.65	0.0000	40.98	34.62	27659
NBW1630	FEX50YR1DA Y	18.13	18.42	0.0000	32.72	32.56	1802
NBW1650	FEX50YR1DA Y	18.81	19.67	0.0000	19.81	12.69	48711
NBW1670	FEX50YR1DA Y	18.89	19.67	0.0001	47.30	41.16	42237
NBW1690	FEX50YR1DA Y	19.03	19.67	0.0001	30.25	26.91	27180
NBW1710	FEX50YR1DA Y	19.26	19.67	0.0000	2.38	0.98	998
NBW1730	FEX50YR1DA	18.65	19.58	0.0002	374.58	368.22	329133

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NBW1750	FEX50YR1DA Y	18.82	19.65	-0.0001	187.55	168.70	79664
NBW1770	FEX50YR1DA Y	18.82	19.67	0.0000	171.19	130.01	184368
NBW1790	FEX50YR1DA Y	18.91	19.67	0.0001	40.77	36.54	42241
NBW1820	FEX50YR1DA Y	18.72	19.35	0.0000	115.43	109.44	174445
NBW1830	FEX50YR1DA Y	18.74	19.58	-0.0001	80.30	80.48	88088
NBW1840	FEX50YR1DA Y	18.39	18.89	0.0000	152.90	135.25	142229
NBW1850	FEX50YR1DA Y	18.74	19.61	-0.0001	198.72	183.31	150512
NBW1860	FEX50YR1DA Y	18.39	18.89	-0.0001	19.84	14.50	23309
NBW1870	FEX50YR1DA Y	18.72	19.36	-0.0001	42.36	43.37	40332
NBW1890	FEX50YR1DA Y	19.06	19.95	0.0000	64.87	65.00	2613
NBW1910	FEX50YR1DA Y	19.27	20.18	0.0000	80.58	79.52	8643
NBW1930	FEX50YR1DA Y	19.27	20.17	0.0000	64.21	64.33	44855
NBW1950	FEX50YR1DA Y	18.97	19.62	0.0000	2.62	1.84	450
NBW1970	FEX50YR1DA Y	18.96	19.62	0.0000	17.79	16.90	14454
NBW1990	FEX50YR1DA Y	19.27	20.00	0.0000	123.97	117.75	148711
NBW2010	FEX50YR1DA Y	19.65	19.98	-0.0001	14.91	16.23	12411
NBW2030	FEX50YR1DA Y	19.65	19.98	0.0000	34.48	31.98	95914
NBW2050	FEX50YR1DA Y	19.26	20.22	0.0000	107.43	101.72	131979
NBW2060	FEX50YR1DA Y	0.00	20.22	0.0000	30.92	25.50	68439
NBW2070	FEX50YR1DA Y	19.26	20.22	0.0000	154.25	95.21	202885
NBW2090	FEX50YR1DA Y	19.10	20.12	0.0000	61.16	60.73	80803
NBW2110	FEX50YR1DA Y	18.92	20.12	0.0000	201.50	129.02	245356
NBW2130	FEX50YR1DA Y	18.92	20.12	0.0000	47.42	27.74	40186

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW2140	FEX50YR1DA Y	20.00	20.12	-0.0001	5.35	5.27	603
NBW2145	FEX50YR1DA Y	0.00	20.12	-0.0008	22.71	71.96	106084
NBW2150	FEX50YR1DA Y	19.26	20.22	0.0000	109.56	98.35	32169
NBW2170	FEX50YR1DA Y	19.12	20.22	0.0000	5.30	5.15	812
NBW2190	FEX50YR1DA Y	19.10	20.22	0.0000	10.78	5.50	27284
NBW2210	FEX50YR1DA Y	19.47	20.21	0.0000	35.29	31.94	46807
NBW2230	FEX50YR1DA Y	19.47	20.21	0.0000	87.30	77.73	84482
NBW2250	FEX50YR1DA Y	19.51	20.21	0.0000	15.41	14.89	9605
NBW2270	FEX50YR1DA Y	19.57	20.21	0.0000	18.46	14.79	37822
NBW2290	FEX50YR1DA Y	19.65	20.21	0.0000	95.65	86.32	197623
NBW2310	FEX50YR1DA Y	19.82	20.10	0.0000	95.71	92.74	145630
NBW2330	FEX50YR1DA Y	19.82	20.10	0.0000	41.64	27.91	83596
NBW2350	FEX50YR1DA Y	16.05	16.54	0.0001	178.71	177.09	78242
NBW2370	FEX50YR1DA Y	16.11	16.55	-0.0001	43.00	41.69	56775
NBW2380	FEX50YR1DA Y	12.29	16.55	0.0004	323.96	297.17	91908
NBW2385	FEX50YR1DA Y	18.49	18.51	0.0000	6.38	6.37	6781
NBW2387	FEX50YR1DA Y	16.11	16.56	0.0000	0.72	0.77	482
NBW2390	FEX50YR1DA Y	16.42	17.99	0.0001	144.78	146.62	66739
NBW2410	FEX50YR1DA Y	16.59	18.41	-0.0002	251.88	250.21	177910
NBW2430	FEX50YR1DA Y	16.23	18.46	0.0001	358.94	358.23	111399
NBW2450	FEX50YR1DA Y	16.15	18.53	0.0002	163.18	161.27	4396
NBW2470	FEX50YR1DA Y	16.43	18.75	0.0002	375.63	372.85	45851
NBW2490	FEX50YR1DA Y	16.90	18.75	-0.0004	87.08	315.27	22730
NBW2510	FEX50YR1DA	17.74	18.75	-0.0001	73.18	72.34	7221

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NBW2530	FEX50YR1DA Y	17.92	18.70	0.0001	65.94	66.26	2010
NBW2550	FEX50YR1DA Y	17.95	18.70	0.0000	2.45	2.90	450
NBW2570	FEX50YR1DA Y	17.96	18.70	0.0000	4.94	2.45	12148
NBW2590	FEX50YR1DA Y	18.06	18.67	-0.0001	53.94	54.15	1098
NBW2610	FEX50YR1DA Y	17.00	18.86	-0.0008	424.30	422.74	129577
NBW2630	FEX50YR1DA Y	17.98	18.87	0.0000	213.85	192.53	42325
NBW2650	FEX50YR1DA Y	16.97	18.85	-0.0003	27.53	28.58	41099
NBW2670	FEX50YR1DA Y	16.42	18.84	0.0001	51.63	35.09	46404
NBW2680	FEX50YR1DA Y	17.73	18.48	-0.0001	151.28	150.95	27509
NBW2690	FEX50YR1DA Y	15.40	18.30	0.0002	365.18	360.08	108458
NBW2710	FEX50YR1DA Y	17.73	18.52	0.0001	3.47	2.32	529
NBW2730	FEX50YR1DA Y	18.29	18.73	0.0000	3.33	2.31	6211
NBW2770	FEX50YR1DA Y	18.09	18.87	0.0000	13.27	13.29	1310
NBW2775	FEX50YR1DA Y	6.59	7.12	0.0000	22.36	19.79	60106
NBW2780	FEX50YR1DA Y	18.38	18.85	0.0001	158.59	153.34	175316
NBW2790	FEX50YR1DA Y	18.38	18.88	0.0000	292.41	274.29	153691
NBW2810	FEX50YR1DA Y	18.39	18.89	-0.0002	108.98	98.55	81640
NBW2830	FEX50YR1DA Y	18.40	18.89	0.0000	84.29	61.98	180830
NC01	FEX50YR1DA Y	0.00	6.33	0.0001	44.99	44.69	5199
NC01B	FEX50YR1DA Y	0.00	5.96	0.0000	33.82	33.77	7120
NC02	FEX50YR1DA Y	0.00	8.94	-0.0001	167.43	167.38	11228
NC03	FEX50YR1DA Y	0.00	4.97	-0.0002	194.75	194.70	15264
NC04	FEX50YR1DA Y	0.00	4.05	0.0000	124.95	122.16	57165

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NC05	FEX50YR1DA Y	0.00	4.03	-0.0001	136.98	135.56	66909
NC06	FEX50YR1DA Y	0.00	3.99	0.0000	147.74	147.51	29453
NC07	FEX50YR1DA Y	0.00	3.99	-0.0001	137.48	137.57	27211
NC08	FEX50YR1DA Y	0.00	3.95	0.0000	157.27	157.12	19780
NCL0010	FEX50YR1DA Y	2.00	2.00	0.0000	872.15	0.00	0
NCL0030	FEX50YR1DA Y	2.36	3.15	0.0001	595.86	595.85	6856
NCL0050	FEX50YR1DA Y	2.36	3.15	0.0001	0.95	0.91	439
NCL0070	FEX50YR1DA Y	5.20	5.80	0.0000	254.96	252.03	82265
NCL0090	FEX50YR1DA Y	6.06	6.38	0.0000	91.08	73.29	100572
NCL0110	FEX50YR1DA Y	3.04	3.97	-0.0007	632.95	632.84	6623
NCL0130	FEX50YR1DA Y	4.05	4.12	-0.0002	158.75	158.80	565
NCL0150	FEX50YR1DA Y	4.95	5.46	-0.0001	159.75	159.83	2802
NCL0170	FEX50YR1DA Y	5.08	5.53	-0.0001	101.58	101.62	1472
NCL0190	FEX50YR1DA Y	5.08	5.55	0.0000	4.13	3.94	438
NCL0210	FEX50YR1DA Y	5.85	6.89	-0.0001	103.16	101.49	42293
NCL0230	FEX50YR1DA Y	6.60	7.72	-0.0002	71.51	33.00	91378
NCL0250	FEX50YR1DA Y	6.60	7.72	-0.0001	3.79	4.04	606
NCL0270	FEX50YR1DA Y	6.60	7.72	0.0001	7.43	5.32	3335
NCL0290	FEX50YR1DA Y	5.90	6.93	0.0001	64.66	65.20	924
NCL0310	FEX50YR1DA Y	6.10	7.13	0.0005	64.40	64.77	1045
NCL0330	FEX50YR1DA Y	5.95	6.89	-0.0001	23.97	29.51	16028
NCL0350	FEX50YR1DA Y	6.60	7.72	-0.0005	229.07	178.47	119214
NCL0370	FEX50YR1DA Y	7.36	8.05	0.0002	212.30	209.15	39605
NCL0390	FEX50YR1DA	4.02	4.95	-0.0023	457.76	480.72	4339

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NCL0410	FEX50YR1DA Y	4.09	5.20	-0.0002	9.11	9.00	819
NCL0430	FEX50YR1DA Y	4.23	5.50	-0.0001	9.67	9.36	940
NCL0450	FEX50YR1DA Y	4.75	5.63	-0.0011	446.70	446.72	3676
NCL0470	FEX50YR1DA Y	5.43	6.23	-0.0016	445.27	445.30	3437
NCL0490	FEX50YR1DA Y	6.48	7.12	-0.0010	562.80	565.55	71755
NCL0510	FEX50YR1DA Y	6.67	7.42	-0.0003	42.24	40.40	5510
NCL0530	FEX50YR1DA Y	8.10	8.60	0.0003	37.26	21.72	1171
NCL0550	FEX50YR1DA Y	8.17	8.66	-0.0001	41.25	37.26	72612
NCL0570	FEX50YR1DA Y	8.66	9.06	0.0001	22.56	19.27	9479
NCL0590	FEX50YR1DA Y	7.00	7.67	0.0011	478.65	479.15	15203
NCL0610	FEX50YR1DA Y	7.52	8.23	0.0015	461.45	461.64	3640
NCL0630	FEX50YR1DA Y	8.06	8.96	-0.0004	458.20	458.36	4608
NCL0650	FEX50YR1DA Y	8.12	9.03	-0.0005	55.36	102.61	1613
NCL0670	FEX50YR1DA Y	8.67	9.76	0.0006	120.30	55.36	1693
NCL0690	FEX50YR1DA Y	8.76	9.80	0.0002	26.57	35.14	605
NCL0710	FEX50YR1DA Y	8.95	9.89	0.0002	28.05	26.13	601
NCL0730	FEX50YR1DA Y	9.26	10.06	-0.0001	30.49	28.05	554
NCL0750	FEX50YR1DA Y	9.56	10.20	0.0000	215.51	197.42	86950
NCL0770	FEX50YR1DA Y	10.12	10.49	0.0001	105.93	105.86	2178
NCL0790	FEX50YR1DA Y	8.69	9.81	-0.0003	44.45	101.59	895
NCL0810	FEX50YR1DA Y	8.84	10.16	0.0000	48.87	44.45	39500
NCL0830	FEX50YR1DA Y	8.93	10.22	0.0009	394.22	396.60	53401
NCL0850	FEX50YR1DA Y	9.01	10.23	0.0001	116.27	104.00	36355

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL0870	FEX50YR1DA Y	9.37	10.39	-0.0002	131.12	130.76	2022
NCL0890	FEX50YR1DA Y	9.65	10.53	-0.0001	115.43	115.22	1586
NCL0910	FEX50YR1DA Y	9.71	10.48	0.0000	21.29	20.86	19378
NCL0930	FEX50YR1DA Y	9.57	11.01	-0.0001	168.02	165.37	13911
NCL0950	FEX50YR1DA Y	9.89	11.21	-0.0001	150.76	149.12	12307
NCL0970	FEX50YR1DA Y	10.41	11.67	0.0001	46.18	45.02	2265
NCL0990	FEX50YR1DA Y	11.00	11.83	0.0001	60.05	59.07	10455
NCL1010	FEX50YR1DA Y	11.14	12.31	0.0001	12.80	12.71	638
NCL1030	FEX50YR1DA Y	9.67	10.42	-0.0002	23.83	31.04	1482
NCL1050	FEX50YR1DA Y	10.46	10.45	0.0000	10.53	9.74	4624
NCL1070	FEX50YR1DA Y	9.30	11.46	0.0001	4.33	4.36	612
NCL1090	FEX50YR1DA Y	9.76	11.52	0.0000	33.59	6.93	27293
NCL1110	FEX50YR1DA Y	9.85	11.09	0.0001	17.32	18.33	16761
NCL1130	FEX50YR1DA Y	9.76	11.52	0.0001	38.77	19.13	117397
NCL1150	FEX50YR1DA Y	9.76	11.52	0.0001	734.76	730.46	277091
NCL1170	FEX50YR1DA Y	10.59	12.60	-0.0008	454.72	377.00	156710
NCL1190	FEX50YR1DA Y	10.72	13.06	-0.0001	98.93	98.96	1850
NCL1210	FEX50YR1DA Y	10.63	12.62	0.0001	56.86	26.32	58728
NCL1230	FEX50YR1DA Y	10.94	13.66	0.0001	98.90	98.93	1432
NCL1250	FEX50YR1DA Y	11.11	14.01	0.0002	98.87	98.90	1231
NCL1270	FEX50YR1DA Y	11.34	14.42	0.0001	245.53	167.48	206957
NCL1290	FEX50YR1DA Y	13.06	14.46	0.0001	213.50	208.06	45658
NCL1310	FEX50YR1DA Y	14.77	15.84	0.0001	211.68	208.93	59111
NCL1330	FEX50YR1DA	10.60	12.60	-0.0001	388.49	382.03	91979

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NCL1350	FEX50YR1DA Y	10.63	12.62	0.0001	379.17	372.80	72192
NCL1370	FEX50YR1DA Y	10.63	12.65	-0.0001	223.47	221.51	17709
NCL1390	FEX50YR1DA Y	10.63	14.41	0.0001	70.74	62.31	36368
NCL1410	FEX50YR1DA Y	10.63	14.42	-0.0001	74.63	69.75	10467
NCL1430	FEX50YR1DA Y	10.70	12.63	0.0006	604.67	466.45	261171
NCL1450	FEX50YR1DA Y	10.93	13.15	0.0018	488.52	488.09	3036
NCL1470	FEX50YR1DA Y	12.72	14.61	0.0001	348.47	347.71	4442
NCL1490	FEX50YR1DA Y	14.45	14.86	0.0000	8.15	8.12	784
NCL1510	FEX50YR1DA Y	11.06	13.15	-0.0057	66.28	72.42	17191
NCL1530	FEX50YR1DA Y	12.54	13.15	-0.0003	106.09	104.21	19253
NCL1550	FEX50YR1DA Y	13.13	13.51	-0.0001	42.66	41.57	1021
NCL1570	FEX50YR1DA Y	13.31	14.09	0.0001	6.66	6.60	504
NCL1590	FEX50YR1DA Y	13.70	14.11	0.0000	3.24	2.83	1307
NCL1610	FEX50YR1DA Y	13.37	14.28	0.0001	4.30	4.03	469
NCL1630	FEX50YR1DA Y	13.57	13.76	-0.0002	93.09	93.06	2929
NCL1650	FEX50YR1DA Y	13.68	14.01	0.0002	98.15	98.11	1934
NCL1670	FEX50YR1DA Y	14.02	15.05	0.0001	191.28	191.14	14992
NCL1690	FEX50YR1DA Y	17.47	17.94	0.0001	67.62	67.58	6932
NCL1710	FEX50YR1DA Y	17.89	18.20	0.0001	60.79	60.82	3415
NCL1730	FEX50YR1DA Y	18.27	19.36	0.0006	232.81	232.48	43785
NCL1750	FEX50YR1DA Y	18.24	19.23	-0.0006	31.42	31.44	513
NCL1770	FEX50YR1DA Y	18.07	18.30	0.0001	55.14	55.12	3188
NCL1790	FEX50YR1DA Y	15.78	16.64	0.0001	341.09	340.43	5863

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL1810	FEX50YR1DA Y	18.13	18.48	0.0001	85.46	78.29	53471
NCL1830	FEX50YR1DA Y	18.39	18.67	-0.0001	321.72	321.10	6250
NCL1850	FEX50YR1DA Y	18.50	18.81	-0.0003	63.63	79.05	909
NCL1870	FEX50YR1DA Y	19.01	19.51	0.0001	63.49	63.63	997
NCL1890	FEX50YR1DA Y	19.15	19.69	0.0003	67.69	66.49	985
NCL1910	FEX50YR1DA Y	19.15	19.69	0.0001	4.37	1.00	528
NCL1930	FEX50YR1DA Y	19.91	19.99	0.0000	7.06	7.01	1614
NCL1950	FEX50YR1DA Y	19.15	19.69	0.0000	1.00	0.17	503
NCL1970	FEX50YR1DA Y	21.67	21.68	0.0000	3.89	3.88	3371
NCL1990	FEX50YR1DA Y	19.58	20.27	-0.0002	69.57	67.69	916
NCL2010	FEX50YR1DA Y	19.74	20.33	0.0001	38.85	36.63	1104
NCL2030	FEX50YR1DA Y	19.76	19.98	0.0001	27.79	23.74	42933
NCL2050	FEX50YR1DA Y	19.76	20.38	0.0001	39.44	35.99	1411
NCL2070	FEX50YR1DA Y	19.76	19.99	-0.0002	6.73	7.75	1202
NCL2090	FEX50YR1DA Y	19.87	20.75	-0.0001	43.29	39.44	1414
NCL2110	FEX50YR1DA Y	20.03	20.79	0.0004	43.49	40.11	33116
NCL2130	FEX50YR1DA Y	19.87	20.81	0.0001	148.91	159.57	126427
NCL2150	FEX50YR1DA Y	20.75	21.56	-0.0003	155.37	140.92	255708
NCL2170	FEX50YR1DA Y	19.85	20.79	-0.0002	251.32	249.23	100654
NCL2230	FEX50YR1DA Y	19.13	19.79	0.0001	293.12	290.26	51864
NCL2250	FEX50YR1DA Y	19.55	20.32	0.0002	264.77	248.81	4443
NCL2270	FEX50YR1DA Y	20.05	20.96	0.0001	328.55	327.65	61505
NCL2290	FEX50YR1DA Y	19.88	20.79	0.0001	17.08	15.15	19506
NCL2310	FEX50YR1DA	20.45	21.22	0.0001	96.59	96.26	1779

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NCL2330	FEX50YR1DA Y	20.74	21.41	0.0001	198.71	186.66	134793
NCL2350	FEX50YR1DA Y	20.78	21.44	0.0001	91.65	90.64	14820
NCL2370	FEX50YR1DA Y	20.81	21.44	0.0001	89.32	88.79	2298
NCL2390	FEX50YR1DA Y	20.84	21.47	0.0001	203.17	164.74	219839
NCL2410	FEX50YR1DA Y	21.07	21.49	0.0000	30.64	30.28	1380
NCL2430	FEX50YR1DA Y	21.32	21.61	0.0000	29.29	28.93	1472
NCL2450	FEX50YR1DA Y	21.25	21.57	0.0000	6.26	6.10	493
NCL2470	FEX50YR1DA Y	20.93	21.47	0.0000	28.04	27.68	846
NCL2490	FEX50YR1DA Y	21.54	21.62	0.0000	26.20	25.87	1537
NCL2510	FEX50YR1DA Y	21.70	21.58	0.0000	201.83	202.03	128715
NCL2530	FEX50YR1DA Y	21.70	21.57	0.0000	90.15	91.70	60425
NCL2540	FEX50YR1DA Y	0.00	22.27	0.0000	125.50	123.20	59103
NCL2550	FEX50YR1DA Y	21.70	21.57	0.0000	100.33	100.77	22397
NCL2570	FEX50YR1DA Y	21.51	21.53	0.0001	13.13	12.79	1503
NCL2580	FEX50YR1DA Y	0.00	21.50	-0.0001	180.65	179.73	42786
NCL2590	FEX50YR1DA Y	21.17	21.50	0.0000	308.59	304.48	173597
NCL2610	FEX50YR1DA Y	21.14	21.49	0.0000	212.34	212.14	35962
NCL2630	FEX50YR1DA Y	20.86	21.09	0.0000	123.43	118.19	57225
NCL2631	FEX50YR1DA Y	0.00	20.95	-0.0001	113.51	98.86	50327
NCL2650	FEX50YR1DA Y	21.17	21.65	0.0000	127.68	105.79	156685
NCL2670	FEX50YR1DA Y	21.93	22.26	-0.0004	133.80	159.74	71624
NCL2690	FEX50YR1DA Y	21.96	22.54	0.0000	90.05	95.30	64735
NCL2710	FEX50YR1DA Y	21.96	22.65	0.0000	80.06	71.32	86957

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL2730	FEX50YR1DA Y	21.95	22.77	0.0000	49.87	48.82	28395
NCL2750	FEX50YR1DA Y	21.84	23.15	0.0000	158.38	157.26	50079
NCL2770	FEX50YR1DA Y	21.71	22.50	0.0000	40.52	40.53	1389
NCL2780	FEX50YR1DA Y	0.00	22.42	0.0000	40.85	40.51	32694
NCL2790	FEX50YR1DA Y	21.84	22.42	0.0000	229.40	218.51	158557
NCL2810	FEX50YR1DA Y	22.11	22.91	0.0001	153.07	152.30	31718
NCL2830	FEX50YR1DA Y	23.09	23.22	-0.0002	32.24	30.84	16073
NCL2835	FEX50YR1DA Y	0.00	23.91	0.0000	7.90	7.95	1074
NCL2840	FEX50YR1DA Y	0.00	23.83	0.0000	151.27	150.99	28963
NCL2845	FEX50YR1DA Y	0.00	24.37	-0.0001	84.52	84.29	19187
NCL2850	FEX50YR1DA Y	20.82	21.44	0.0001	16.32	16.51	5155
NCL2870	FEX50YR1DA Y	20.83	21.34	0.0001	15.47	15.65	1245
NCL2890	FEX50YR1DA Y	20.83	21.25	0.0001	16.97	15.47	26850
NCL2910	FEX50YR1DA Y	20.83	21.25	0.0001	118.48	117.84	46822
NCL2930	FEX50YR1DA Y	19.55	20.35	0.0003	264.36	266.23	30790
NCL2950	FEX50YR1DA Y	19.53	20.35	0.0001	195.34	195.37	34513
NCL2970	FEX50YR1DA Y	20.49	20.76	0.0002	86.65	84.37	26948
NCL2990	FEX50YR1DA Y	19.33	20.20	0.0001	191.92	191.81	10932
NCL3010	FEX50YR1DA Y	19.35	20.20	0.0002	189.32	189.20	310782
NCL3030	FEX50YR1DA Y	19.58	20.24	0.0002	186.63	186.67	117138
NCL3050	FEX50YR1DA Y	19.94	20.31	0.0002	114.59	106.66	63074
NCL3070	FEX50YR1DA Y	20.14	20.38	0.0001	64.04	57.74	37474
NCL3090	FEX50YR1DA Y	19.59	20.23	0.0002	181.01	181.09	117788
NCL3110	FEX50YR1DA	19.59	20.23	0.0003	106.64	72.58	147152

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NCL3130	FEX50YR1DA Y	19.59	20.24	0.0002	41.24	21.87	72796
NCL3150	FEX50YR1DA Y	19.54	20.22	0.0002	177.35	176.59	83214
NCL3170	FEX50YR1DA Y	19.71	20.45	0.0002	142.53	141.76	51416
NCL3190	FEX50YR1DA Y	20.31	20.75	0.0002	161.94	149.93	159626
NCL3210	FEX50YR1DA Y	20.32	20.75	0.0002	121.16	114.23	76734
NCL3230	FEX50YR1DA Y	20.32	20.76	0.0002	99.18	96.82	35134
NCL3250	FEX50YR1DA Y	19.11	20.12	0.0002	199.08	180.97	215902
NCL3270	FEX50YR1DA Y	19.11	20.13	0.0001	33.88	31.44	22413
NCL3280	FEX50YR1DA Y	0.00	20.13	0.0001	51.06	49.57	24864
NCL3290	FEX50YR1DA Y	20.16	20.62	0.0001	50.86	48.76	35194
NCL3300	FEX50YR1DA Y	0.00	20.13	0.0001	17.40	17.39	11255
NCL3310	FEX50YR1DA Y	20.19	20.74	0.0001	3.11	2.35	755
NCL3330	FEX50YR1DA Y	20.75	20.79	0.0000	7.49	6.97	437
NCL3350	FEX50YR1DA Y	20.51	20.81	0.0001	59.74	57.28	55430
NCL3360	FEX50YR1DA Y	0.00	20.81	0.0000	20.28	18.96	25027
NCL3365	FEX50YR1DA Y	0.00	20.44	0.0001	57.83	57.09	34406
NCL3370	FEX50YR1DA Y	20.64	21.22	0.0001	201.64	199.16	111070
NCL3390	FEX50YR1DA Y	20.83	21.25	0.0001	202.32	201.70	44187
NCL3410	FEX50YR1DA Y	20.83	21.25	0.0001	2.43	1.81	475
NCL3430	FEX50YR1DA Y	20.83	21.25	0.0000	6.19	1.30	5862
NCL3450	FEX50YR1DA Y	18.92	20.13	0.0006	481.52	284.29	258178
NCL3460	FEX50YR1DA Y	18.92	20.12	-0.0008	126.95	127.04	2956
NCL3470	FEX50YR1DA Y	19.11	20.13	0.0001	652.42	383.54	369832

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL3490	FEX50YR1DA Y	19.15	20.13	-0.0001	190.30	509.40	84455
NCL3510	FEX50YR1DA Y	20.64	20.14	0.0001	168.75	170.37	37362
NCL3520	FEX50YR1DA Y	0.00	20.14	0.0000	424.09	421.32	112546
NCL3530	FEX50YR1DA Y	20.66	20.97	0.0001	232.19	230.10	77342
NCL3550	FEX50YR1DA Y	20.66	20.97	0.0001	6.51	2.79	736
NCL3570	FEX50YR1DA Y	20.66	21.01	0.0001	3.48	1.46	624
NCL3590	FEX50YR1DA Y	20.66	21.01	0.0000	4.35	1.91	7594
NCL3610	FEX50YR1DA Y	20.66	20.96	-0.0001	19.37	17.72	1245
NCL3630	FEX50YR1DA Y	20.64	20.95	0.0001	376.38	372.37	131489
NCL3635	FEX50YR1DA Y	0.00	20.95	0.0001	13.87	11.87	1726
NCL3640	FEX50YR1DA Y	0.00	20.95	0.0001	50.08	45.61	61506
NCL3650	FEX50YR1DA Y	18.92	20.12	0.0001	5.29	3.94	502
NCL3670	FEX50YR1DA Y	18.92	20.12	0.0000	99.23	84.09	107802
NCL3690	FEX50YR1DA Y	18.92	20.13	-0.0003	193.93	192.38	3204
NCL3730	FEX50YR1DA Y	18.92	20.13	0.0000	478.00	95.62	151156
NCL3740	FEX50YR1DA Y	0.00	20.13	0.0001	268.25	104.26	43038
NCL3750	FEX50YR1DA Y	18.93	19.63	0.0002	252.69	205.86	293083
NCL3770	FEX50YR1DA Y	18.93	19.63	0.0002	75.89	20.38	112662
NCL4000	FEX50YR1DA Y	0.00	29.88	0.0000	77.82	77.77	8832
NCL4010	FEX50YR1DA Y	0.00	29.64	0.0000	68.55	68.25	15465
NCypEast	FEX50YR1DA Y	32.00	29.00	0.0000	17.00	0.00	0
NCypWest	FEX50YR1DA Y	32.00	29.93	0.0000	0.00	0.00	0
NOC0010	FEX50YR1DA Y	2.00	2.00	0.0000	571.12	0.10	0
NOC0030	FEX50YR1DA	1.14	2.47	-0.0085	571.17	571.12	1526

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NOC0050	FEX50YR1DA Y	1.20	2.73	0.0084	494.59	494.70	1940
NOC0070	FEX50YR1DA Y	1.45	3.71	-0.0062	478.78	478.85	6792
NOC0090	FEX50YR1DA Y	2.91	3.85	-0.0017	126.50	126.59	446
NOC0110	FEX50YR1DA Y	1.65	3.79	0.0080	292.92	293.05	455
NOC0130	FEX50YR1DA Y	3.06	4.61	0.0050	292.85	292.92	528
NOC0150	FEX50YR1DA Y	3.08	4.63	0.0000	4.16	3.93	500
NOC0170	FEX50YR1DA Y	4.56	4.91	0.0000	22.76	22.74	1900
NOC0190	FEX50YR1DA Y	5.09	5.92	0.0008	291.38	291.52	1939
NOC0210	FEX50YR1DA Y	5.68	6.12	-0.0001	45.20	44.27	8029
NOC0230	FEX50YR1DA Y	5.12	5.98	-0.0001	10.64	10.34	742
NOC0250	FEX50YR1DA Y	5.30	6.45	-0.0001	11.06	10.64	984
NOC0270	FEX50YR1DA Y	5.57	7.06	0.0000	8.26	5.16	9414
NOC0290	FEX50YR1DA Y	5.11	6.11	0.0002	381.10	381.16	1836
NOC0310	FEX50YR1DA Y	5.27	6.52	0.0001	90.96	83.28	28241
NOC0330	FEX50YR1DA Y	5.85	6.89	0.0001	385.48	380.80	200327
NOC0350	FEX50YR1DA Y	5.89	6.97	0.0001	356.57	327.68	142869
NOC0370	FEX50YR1DA Y	6.47	7.32	-0.0001	270.69	269.65	73193
NOC0390	FEX50YR1DA Y	6.60	7.72	-0.0001	113.03	99.85	60653
NOC0410	FEX50YR1DA Y	6.95	7.71	0.0001	59.45	42.49	80682
NOC0430	FEX50YR1DA Y	7.01	7.46	0.0001	62.78	61.58	34469
NOC0450	FEX50YR1DA Y	7.62	7.71	0.0001	41.45	40.49	22214
NOC0470	FEX50YR1DA Y	8.12	8.23	0.0001	28.46	26.89	27817
NOC0490	FEX50YR1DA Y	7.67	7.73	0.0001	6.35	6.29	1051

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0010	FEX50YR1DA Y	2.00	2.00	0.0000	676.40	0.00	0
NRU0030	FEX50YR1DA Y	2.84	3.63	-0.0005	438.13	382.30	2468
NRU0050	FEX50YR1DA Y	4.36	5.82	-0.0013	382.32	438.13	2036
NRU0070	FEX50YR1DA Y	5.61	7.60	-0.0010	411.73	382.32	40804
NRU0090	FEX50YR1DA Y	5.66	7.60	-0.0002	128.36	90.14	45277
NRU0110	FEX50YR1DA Y	6.23	7.65	-0.0001	319.57	296.83	32214
NRU0130	FEX50YR1DA Y	7.66	9.28	-0.0002	272.50	272.12	2616
NRU0150	FEX50YR1DA Y	7.71	9.34	0.0006	254.02	254.05	1429
NRU0160	FEX50YR1DA Y	0.00	14.92	-0.0001	189.29	189.17	4959
NRU0165	FEX50YR1DA Y	0.00	15.16	0.0000	7.74	7.39	474
NRU0170	FEX50YR1DA Y	14.45	17.53	0.0013	254.47	194.21	110757
NRU0172	FEX50YR1DA Y	0.00	17.54	0.0000	8.95	9.94	830
NRU0174	FEX50YR1DA Y	0.00	17.56	-0.0001	16.47	8.95	10643
NRU0176	FEX50YR1DA Y	0.00	16.32	0.0000	10.45	10.45	761
NRU0178	FEX50YR1DA Y	0.00	17.28	0.0000	6.18	6.21	957
NRU0180	FEX50YR1DA Y	0.00	17.56	0.0000	239.92	192.34	215201
NRU0190	FEX50YR1DA Y	14.45	17.53	-0.0008	17.97	15.47	24214
NRU0210	FEX50YR1DA Y	14.45	17.35	-0.0001	24.15	18.21	17392
NRU0230	FEX50YR1DA Y	13.39	15.23	0.0001	37.25	36.55	23877
NRU0250	FEX50YR1DA Y	14.62	17.53	0.0001	862.39	236.39	61454
NRU0270	FEX50YR1DA Y	15.05	17.55	-0.0005	173.79	193.90	15209
NRU0290	FEX50YR1DA Y	16.30	19.10	-0.0002	99.05	82.12	108314
NRU0310	FEX50YR1DA Y	16.13	17.91	0.0000	98.49	98.66	5962
NRU0330	FEX50YR1DA	18.25	18.61	0.0000	26.02	26.35	1352

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NRU0335	FEX50YR1DA Y	0.00	19.46	0.0001	12.80	10.72	18443
NRU0340	FEX50YR1DA Y	0.00	19.12	0.0001	104.53	92.67	75522
NRU0343	FEX50YR1DA Y	0.00	19.71	0.0001	8.99	8.37	902
NRU0345	FEX50YR1DA Y	0.00	19.93	0.0001	96.75	87.57	104607
NRU0350	FEX50YR1DA Y	19.50	19.71	0.0001	28.33	19.20	52560
NRU0370	FEX50YR1DA Y	19.51	19.72	0.0001	18.13	14.62	29990
NRU0380	FEX50YR1DA Y	23.33	19.91	-0.0001	9.91	9.87	470
NRU0390	FEX50YR1DA Y	27.00	19.93	0.0000	28.44	9.91	37484
NRU0410	FEX50YR1DA Y	19.56	19.81	0.0000	9.08	9.25	1100
NRU0425	FEX50YR1DA Y	15.53	16.74	0.0001	8.61	3.39	4982
NRU0430	FEX50YR1DA Y	19.61	19.89	0.0000	8.93	9.08	1077
NRU0450	FEX50YR1DA Y	19.66	19.98	0.0000	8.79	8.93	1038
NRU0470	FEX50YR1DA Y	19.72	20.41	0.0000	8.85	8.79	799
NRU0490	FEX50YR1DA Y	20.36	20.77	0.0001	16.79	15.67	51340
NRU0495	FEX50YR1DA Y	0.00	21.23	-0.0001	15.21	14.45	18980
NRU0500	FEX50YR1DA Y	0.00	21.30	0.0000	4.13	3.83	9086
NRU0510	FEX50YR1DA Y	19.67	20.40	0.0000	47.04	33.66	110932
NRU0530	FEX50YR1DA Y	16.95	18.26	0.0000	71.96	72.09	2252
NRU0550	FEX50YR1DA Y	17.92	18.65	0.0000	156.96	147.64	93498
NRU0570	FEX50YR1DA Y	18.16	19.09	0.0000	115.71	114.61	20686
NRU0590	FEX50YR1DA Y	18.51	19.69	0.0000	71.95	71.42	31479
NRU0610	FEX50YR1DA Y	18.78	19.90	0.0000	73.24	65.93	88783
NRU0612	FEX50YR1DA Y	0.00	19.90	0.0000	61.35	61.41	57201

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0615	FEX50YR1DA Y	0.00	20.07	0.0001	9.83	8.03	1934
NRU0616	FEX50YR1DA Y	0.00	20.40	0.0000	10.34	8.20	26537
NRU0618	FEX50YR1DA Y	0.00	20.76	0.0000	20.91	17.23	29670
NRU0620	FEX50YR1DA Y	0.00	20.18	0.0001	41.55	37.31	34846
NRU0630	FEX50YR1DA Y	18.79	20.06	0.0000	59.29	59.63	47310
NRU0650	FEX50YR1DA Y	18.79	20.07	0.0000	86.64	79.36	74656
NRU0670	FEX50YR1DA Y	18.78	20.09	0.0002	58.73	58.62	1429
NRU0690	FEX50YR1DA Y	18.84	20.11	0.0000	98.74	91.56	84797
NRU0710	FEX50YR1DA Y	18.86	20.11	0.0000	166.29	154.37	82971
NRU0730	FEX50YR1DA Y	18.85	20.11	0.0000	60.56	47.37	107807
NRU0740	FEX50YR1DA Y	0.00	20.11	0.0000	164.50	143.27	46698
NRU0745	FEX50YR1DA Y	0.00	20.12	0.0000	153.38	125.88	72114
NRU0750	FEX50YR1DA Y	18.87	20.12	0.0000	185.40	51.39	335647
NRU0770	FEX50YR1DA Y	18.88	20.12	0.0001	29.43	29.85	1008
NRU0785	FEX50YR1DA Y	0.00	20.12	0.0000	123.42	108.53	89832
NRU0790	FEX50YR1DA Y	18.88	20.12	0.0002	467.32	168.25	193784
NRU0810	FEX50YR1DA Y	18.88	20.12	-0.0002	51.39	48.37	10754
NRU0820	FEX50YR1DA Y	0.00	20.11	0.0001	6.01	3.09	442
NRU0830	FEX50YR1DA Y	18.99	20.12	-0.0003	104.49	433.15	63265
NRU0850	FEX50YR1DA Y	19.11	20.12	-0.0001	72.03	71.77	1188
NRU0870	FEX50YR1DA Y	19.32	20.13	-0.0007	18.26	17.83	560
NRU0890	FEX50YR1DA Y	19.35	20.13	0.0000	100.99	19.87	86951
NRU0910	FEX50YR1DA Y	19.35	20.13	0.0000	3.30	2.98	568
NRU0930	FEX50YR1DA	19.35	20.14	0.0000	3.48	3.30	2178

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NRU0950	FEX50YR1DA Y	19.11	20.13	0.0000	125.67	100.71	44083
NRU0955	FEX50YR1DA Y	0.00	20.13	0.0000	160.22	116.70	71873
NRU0960	FEX50YR1DA Y	0.00	20.13	0.0000	221.49	204.21	47717
NRU0965	FEX50YR1DA Y	0.00	20.13	0.0000	259.71	230.81	160540
NRU0970	FEX50YR1DA Y	19.34	20.13	0.0000	121.84	71.14	99864
NRU0980	FEX50YR1DA Y	0.00	20.13	-0.0009	13.37	8.34	1097
NRU0990	FEX50YR1DA Y	19.39	20.13	0.0005	32.01	38.21	440
NRU1010	FEX50YR1DA Y	19.70	20.13	0.0001	41.76	32.42	47679
NRU1015	FEX50YR1DA Y	0.00	20.60	-0.0001	25.45	12.46	55276
NRU1020	FEX50YR1DA Y	0.00	21.73	-0.0060	17.62	94.67	866
NRU1025	FEX50YR1DA Y	0.00	21.21	-0.0001	12.13	11.97	724
NRU1030	FEX50YR1DA Y	19.70	20.13	0.0001	146.14	111.01	162227
NRU1035	FEX50YR1DA Y	0.00	20.15	-0.0005	7.18	45.11	436
NRU1037	FEX50YR1DA Y	0.00	20.14	0.0000	4.93	4.55	642
NRU1040	FEX50YR1DA Y	0.00	20.13	0.0001	100.77	79.25	104337
NRU1045	FEX50YR1DA Y	0.00	21.81	0.0001	23.56	12.64	41984
NRU1046	FEX50YR1DA Y	0.00	21.77	0.0060	12.64	11.20	934
NRU1050	FEX50YR1DA Y	19.70	20.13	0.0000	163.47	119.35	195449
NRU1070	FEX50YR1DA Y	19.83	20.13	0.0000	64.86	59.54	56490
NRU1090	FEX50YR1DA Y	18.86	20.12	0.0000	12.19	13.02	919
NRU1110	FEX50YR1DA Y	18.86	20.12	0.0001	69.91	30.54	94385
NRU1130	FEX50YR1DA Y	18.86	20.12	-0.0002	7.28	7.07	769
NRU1150	FEX50YR1DA Y	18.86	20.11	0.0001	81.05	54.03	142252

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1170	FEX50YR1DA Y	18.86	20.11	-0.0001	62.62	56.33	179348
NRU1182	FEX50YR1DA Y	0.00	20.11	0.0000	25.79	9.86	32375
NRU1184	FEX50YR1DA Y	0.00	20.08	0.0000	16.29	16.12	872
NRU1185	FEX50YR1DA Y	0.00	20.07	0.0000	27.91	19.31	96888
NRU1186	FEX50YR1DA Y	0.00	20.09	0.0000	4.77	4.66	786
NRU1188	FEX50YR1DA Y	0.00	20.07	0.0000	29.86	6.69	76737
NRU1190	FEX50YR1DA Y	18.86	20.12	-0.0001	2.98	2.93	576
NRU1210	FEX50YR1DA Y	18.86	20.12	0.0000	7.09	7.00	892
NRU1220	FEX50YR1DA Y	0.00	20.48	0.0000	27.92	23.81	40334
NRU1225	FEX50YR1DA Y	0.00	23.03	0.0000	7.46	7.18	8649
NRU1230	FEX50YR1DA Y	18.88	20.11	-0.0001	11.71	11.44	873
NRU1232	FEX50YR1DA Y	0.00	20.11	-0.0001	8.76	8.49	861
NRU1234	FEX50YR1DA Y	0.00	20.11	0.0000	82.49	81.36	13384
NRU1240	FEX50YR1DA Y	0.00	20.11	0.0000	47.33	43.54	33749
NRU1250	FEX50YR1DA Y	4.07	4.82	-0.0004	296.78	296.76	2104
NRU1270	FEX50YR1DA Y	4.78	5.55	-0.0001	291.32	291.32	1667
NRU1290	FEX50YR1DA Y	5.41	6.28	-0.0001	275.99	276.07	3103
NRU1310	FEX50YR1DA Y	6.42	7.42	0.0001	275.93	275.99	5051
NRU1330	FEX50YR1DA Y	8.29	9.68	0.0001	347.34	347.16	3357
NRU1350	FEX50YR1DA Y	9.32	11.04	0.0001	340.52	339.46	4006
NRU1370	FEX50YR1DA Y	11.03	13.42	0.0001	342.58	331.89	16349
NRU1390	FEX50YR1DA Y	11.84	13.49	0.0001	95.08	71.72	47505
NRU1410	FEX50YR1DA Y	12.56	14.71	0.0002	270.68	270.76	7222
NRU1430	FEX50YR1DA	15.53	16.74	0.0001	84.70	39.53	115063

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NRU1450	FEX50YR1DA Y	15.94	16.36	0.0001	56.54	56.13	12584
NRU1470	FEX50YR1DA Y	15.97	16.41	0.0001	6.75	6.80	980
NRU1490	FEX50YR1DA Y	16.09	16.62	0.0001	13.78	10.77	22674
NRU1510	FEX50YR1DA Y	15.12	17.56	0.0001	228.20	229.30	165894
NRU1530	FEX50YR1DA Y	15.71	17.57	-0.0001	93.76	99.89	45237
NRU1550	FEX50YR1DA Y	15.40	17.56	0.0000	99.80	102.96	32650
NRU1570	FEX50YR1DA Y	16.20	17.96	0.0000	56.71	51.33	29024
NRU1590	FEX50YR1DA Y	16.40	17.96	0.0001	12.19	8.43	15559
NRU1610	FEX50YR1DA Y	16.56	18.23	0.0000	51.17	39.83	47873
NRU1630	FEX50YR1DA Y	16.69	18.23	0.0001	37.04	37.10	1538
NRU1650	FEX50YR1DA Y	16.84	18.23	0.0000	44.33	37.04	46334
NRU1670	FEX50YR1DA Y	16.89	18.24	0.0000	116.53	35.56	217684
NRU1690	FEX50YR1DA Y	16.89	18.11	0.0000	57.22	56.19	26109
NRU1710	FEX50YR1DA Y	16.60	18.12	0.0000	34.92	34.66	1425
NRU1730	FEX50YR1DA Y	16.58	18.18	0.0000	106.38	26.01	188959
NRU1750	FEX50YR1DA Y	16.58	18.18	0.0002	15.64	16.88	720
NRU1770	FEX50YR1DA Y	16.58	18.19	0.0000	40.23	38.40	12288
NRU1790	FEX50YR1DA Y	17.21	18.35	0.0000	21.80	19.06	35503
NRU1810	FEX50YR1DA Y	16.58	18.18	0.0000	14.88	8.61	35724
NRU1830	FEX50YR1DA Y	17.12	18.53	0.0001	39.00	25.11	56509
NRU1850	FEX50YR1DA Y	17.07	18.20	-0.0001	24.79	24.62	1052
NRU1870	FEX50YR1DA Y	17.20	18.34	-0.0001	24.96	24.79	907
NRU1890	FEX50YR1DA Y	17.38	18.54	0.0000	65.72	24.96	114452

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1910	FEX50YR1DA Y	17.71	18.54	0.0000	30.77	21.73	40919
NRU1930	FEX50YR1DA Y	15.71	17.57	-0.0001	63.26	83.10	147358
NRU1950	FEX50YR1DA Y	16.43	17.81	0.0000	51.10	51.36	1646
NRU1970	FEX50YR1DA Y	16.86	17.95	0.0000	50.86	51.10	1037
NRU1990	FEX50YR1DA Y	17.09	18.03	-0.0001	50.61	50.86	5564
NRU2010	FEX50YR1DA Y	18.02	18.67	0.0001	12.74	10.88	7354
NRU2030	FEX50YR1DA Y	18.39	18.69	-0.0001	17.74	16.59	41391
NRU2050	FEX50YR1DA Y	18.40	18.74	0.0001	5.00	3.21	453
NRU2070	FEX50YR1DA Y	18.41	18.75	0.0000	7.83	5.00	19823
NRU2090	FEX50YR1DA Y	17.16	18.08	-0.0001	45.02	45.24	10711
NRU2110	FEX50YR1DA Y	17.28	18.14	0.0001	42.90	43.13	15001
NRU2130	FEX50YR1DA Y	17.49	18.23	-0.0001	42.21	42.45	9271
NRU2150	FEX50YR1DA Y	17.69	18.50	0.0001	11.96	6.12	51226
NRU2170	FEX50YR1DA Y	17.07	18.38	0.0001	3.90	3.96	771
NRU2190	FEX50YR1DA Y	17.08	18.39	0.0000	16.72	3.90	51427
NRU2210	FEX50YR1DA Y	17.33	18.24	0.0001	8.55	8.72	540
NRU2230	FEX50YR1DA Y	17.33	18.25	0.0000	62.66	18.63	144466
NRU2250	FEX50YR1DA Y	17.31	18.25	0.0001	13.98	9.54	38713
NRU2270	FEX50YR1DA Y	17.61	18.26	0.0001	31.12	30.43	10637
NRU2290	FEX50YR1DA Y	17.67	18.27	-0.0001	26.79	27.01	4407
NRU2310	FEX50YR1DA Y	17.68	18.26	0.0001	23.40	25.17	13922
NRU2330	FEX50YR1DA Y	17.68	18.28	0.0004	32.10	10.08	8418
NRU2350	FEX50YR1DA Y	17.68	18.28	-0.0002	6.13	30.86	654
NRU2370	FEX50YR1DA	17.37	18.14	0.0001	5.99	6.13	528

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NRU2390	FEX50YR1DA Y	17.36	18.15	0.0000	15.61	5.99	37021
NRU2410	FEX50YR1DA Y	17.72	18.25	0.0001	23.74	23.67	17452
NRU2430	FEX50YR1DA Y	17.83	18.25	0.0001	19.08	18.86	12510
NRU2450	FEX50YR1DA Y	18.06	18.25	0.0001	8.56	7.40	14913
NRU2470	FEX50YR1DA Y	15.72	17.58	0.0000	10.74	10.63	1460
NRU2490	FEX50YR1DA Y	15.75	17.63	0.0000	10.93	10.74	1431
NRU2510	FEX50YR1DA Y	15.75	17.66	0.0001	9.61	9.68	958
NRU2530	FEX50YR1DA Y	15.76	17.81	0.0001	9.54	9.61	582
NRU2550	FEX50YR1DA Y	16.53	17.62	0.0001	228.32	223.03	89069
NRU2570	FEX50YR1DA Y	17.71	18.65	0.0001	221.14	216.25	105615
NRU2590	FEX50YR1DA Y	18.30	18.68	0.0001	36.01	36.25	9891
NRU2610	FEX50YR1DA Y	18.62	19.23	0.0001	105.80	105.51	30716
NRU2630	FEX50YR1DA Y	19.41	19.68	-0.0002	91.75	90.69	71533
NRU2650	FEX50YR1DA Y	19.54	20.10	-0.0001	80.06	78.75	87196
NRU2670	FEX50YR1DA Y	16.64	17.14	0.0000	42.17	39.97	18953
NRU2690	FEX50YR1DA Y	17.09	18.01	0.0000	264.53	118.03	527304
NSH02	FEX50YR1DA Y	0.00	21.30	-0.0004	20.20	97.59	19153
NSH03	FEX50YR1DA Y	0.00	20.64	0.0000	5.26	5.20	548
NSH04	FEX50YR1DA Y	0.00	20.03	0.0002	83.37	82.41	31430
NSH05	FEX50YR1DA Y	0.00	19.80	-0.0030	12.33	11.55	20452
NSH07	FEX50YR1DA Y	0.00	8.51	0.0001	76.12	76.07	10508
NSH08	FEX50YR1DA Y	0.00	10.32	0.0000	36.34	35.39	7073
NSH09	FEX50YR1DA Y	0.00	10.82	0.0000	105.32	105.20	22054

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSH10	FEX50YR1DA Y	0.00	19.17	0.0000	36.38	35.61	28977
NSH11	FEX50YR1DA Y	0.00	21.14	0.0000	11.50	11.43	6788
NSH12	FEX50YR1DA Y	0.00	19.22	0.0000	15.61	15.50	8103
NSH13	FEX50YR1DA Y	0.00	18.12	0.0000	42.03	41.45	22350
NSH14	FEX50YR1DA Y	0.00	17.86	0.0000	12.83	12.72	11125
NSH15	FEX50YR1DA Y	0.00	18.75	0.0000	8.22	8.16	5724
NSH17	FEX50YR1DA Y	0.00	17.34	0.0000	44.24	44.12	9440
NSH18	FEX50YR1DA Y	0.00	15.90	0.0000	40.00	39.90	10428
NSH19	FEX50YR1DA Y	0.00	11.72	0.0000	36.00	35.83	14311
NSH20	FEX50YR1DA Y	0.00	20.23	0.0000	5.32	5.15	12732
NSH21	FEX50YR1DA Y	0.00	11.30	-0.0001	50.46	50.42	11750
NSH22	FEX50YR1DA Y	0.00	14.48	0.0000	53.73	53.29	11453
NSH23	FEX50YR1DA Y	0.00	18.42	0.0000	18.11	17.85	5203
NSH24	FEX50YR1DA Y	0.00	14.48	0.0000	42.86	42.53	9406
NSH25	FEX50YR1DA Y	0.00	14.21	-0.0001	29.16	27.86	16233
NSH26	FEX50YR1DA Y	0.00	14.10	0.0000	136.48	132.78	72628
NSH27	FEX50YR1DA Y	0.00	13.12	0.0000	41.13	38.93	41933
NSH27A	FEX50YR1DA Y	0.00	13.06	0.0000	17.36	16.96	921
NSH27AA	FEX50YR1DA Y	0.00	13.10	-0.0001	4.50	4.53	550
NSH27B	FEX50YR1DA Y	0.00	11.75	-0.0001	16.96	18.52	1033
NSH27C	FEX50YR1DA Y	0.00	9.48	0.0004	18.52	17.26	1037
NSH28	FEX50YR1DA Y	0.00	10.06	0.0000	61.65	61.25	13907
NSH29	FEX50YR1DA Y	0.00	9.55	-0.0002	16.25	13.42	5448
NSH31	FEX50YR1DA	0.00	10.04	0.0001	6.11	4.69	480

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NSH33	FEX50YR1DA Y	0.00	16.79	0.0000	9.64	9.14	13957
NSH34	FEX50YR1DA Y	0.00	9.57	0.0001	108.52	108.47	7839
NSH35	FEX50YR1DA Y	0.00	8.19	-0.0001	124.14	124.13	5549
NSH36	FEX50YR1DA Y	0.00	8.16	-0.0004	22.19	22.13	805
NSH37	FEX50YR1DA Y	0.00	18.12	0.0000	27.75	27.70	7292
NSH41	FEX50YR1DA Y	0.00	19.20	0.0000	12.11	11.92	1475
NSH42	FEX50YR1DA Y	0.00	7.94	-0.0001	158.45	158.43	5824
NSH43	FEX50YR1DA Y	0.00	7.94	-0.0005	44.42	44.36	1745
NSH44	FEX50YR1DA Y	0.00	9.95	0.0003	80.28	80.28	1115
NSH45	FEX50YR1DA Y	0.00	16.68	0.0000	80.16	78.96	37529
NSH48	FEX50YR1DA Y	0.00	18.42	0.0000	22.35	22.16	5636
NSH49	FEX50YR1DA Y	0.00	20.95	0.0000	25.63	23.21	20969
NSH50	FEX50YR1DA Y	0.00	20.07	0.0002	64.62	62.13	23619
NSH51	FEX50YR1DA Y	0.00	19.97	0.0001	47.24	27.43	100802
NSH52	FEX50YR1DA Y	0.00	20.06	0.0001	108.54	96.16	58637
NSH53	FEX50YR1DA Y	0.00	19.97	-0.0001	27.43	24.58	5102
NSH54	FEX50YR1DA Y	0.00	20.06	0.0001	75.62	76.28	32339
NSH55	FEX50YR1DA Y	0.00	20.07	0.0001	83.31	79.71	36928
NSH56	FEX50YR1DA Y	0.00	20.07	-0.0001	28.15	28.26	5660
NSH57	FEX50YR1DA Y	0.00	20.11	-0.0001	44.75	43.23	13265
NSH60	FEX50YR1DA Y	0.00	20.64	0.0002	21.59	20.62	5555
NSH61	FEX50YR1DA Y	0.00	20.12	-0.0002	19.31	19.23	444
NSH65	FEX50YR1DA Y	0.00	20.84	0.0000	5.12	4.82	470

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSH75	FEX50YR1DA Y	0.00	8.30	0.0001	66.40	65.24	17196
NSH80	FEX50YR1DA Y	0.00	20.30	0.0000	5.94	6.10	10779
NSH81	FEX50YR1DA Y	0.00	20.92	0.0000	1.45	0.52	2788
NSH82	FEX50YR1DA Y	0.00	20.96	0.0000	5.57	2.70	9579
NSH83	FEX50YR1DA Y	0.00	20.83	0.0000	26.75	26.13	15180
NSR0000	FEX50YR1DA Y	2.00	2.00	0.0000	315.26	45.04	0
NSR0005	FEX50YR1DA Y	2.00	2.00	0.0000	10.05	0.00	0
NSR0010	FEX50YR1DA Y	2.00	2.00	0.0000	523.11	0.00	0
NSR0030	FEX50YR1DA Y	2.92	3.72	0.0000	529.87	523.11	221760
NSR0032	FEX50YR1DA Y	4.88	5.37	0.0000	18.91	16.28	25235
NSR0034	FEX50YR1DA Y	3.63	4.20	0.0000	103.83	89.15	85235
NSR0050	FEX50YR1DA Y	3.44	4.38	0.0001	503.19	502.52	118842
NSR0070	FEX50YR1DA Y	3.45	4.25	-0.0001	33.65	19.70	66411
NSR0090	FEX50YR1DA Y	3.68	4.21	-0.0001	51.59	40.66	47004
NSR0100	FEX50YR1DA Y	2.25	3.62	0.0000	10.20	10.05	524
NSR0102	FEX50YR1DA Y	4.24	4.57	0.0000	5.58	5.00	3780
NSR0105	FEX50YR1DA Y	1.91	3.01	0.0238	315.30	315.26	484
NSR0110	FEX50YR1DA Y	3.93	4.63	0.0000	47.17	46.90	30663
NSR0112	FEX50YR1DA Y	2.31	3.46	0.0312	314.36	314.35	469
NSR0115	FEX50YR1DA Y	4.25	4.43	0.0000	5.11	4.83	9736
NSR0120	FEX50YR1DA Y	2.62	3.82	0.0341	312.09	312.12	479
NSR0130	FEX50YR1DA Y	4.16	5.05	0.0000	45.17	44.91	41492
NSR0135	FEX50YR1DA Y	4.22	5.50	0.0000	38.30	38.19	29836
NSR0140	FEX50YR1DA	3.28	4.59	0.0261	309.73	309.76	2094

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NSR0150	FEX50YR1DA Y	3.64	4.81	0.0004	426.91	427.90	29727
NSR0160	FEX50YR1DA Y	3.56	4.89	-0.0219	298.89	299.27	20415
NSR0165	FEX50YR1DA Y	4.03	5.55	0.0000	86.22	86.02	34204
NSR0170	FEX50YR1DA Y	3.70	5.19	0.0000	52.18	52.17	16876
NSR0180	FEX50YR1DA Y	3.83	5.34	0.0000	92.42	91.65	39504
NSR0190	FEX50YR1DA Y	4.04	5.05	0.0001	57.69	58.14	5113
NSR0210	FEX50YR1DA Y	4.26	5.75	0.0001	58.07	57.42	20949
NSR0230	FEX50YR1DA Y	4.26	5.76	0.0000	75.80	57.50	146195
NSR0250	FEX50YR1DA Y	3.93	5.01	-0.0069	394.94	394.86	12764
NSR0270	FEX50YR1DA Y	3.98	5.08	0.0000	165.29	160.77	88048
NSR0280	FEX50YR1DA Y	5.41	6.06	0.0019	322.36	322.00	46278
NSR0281	FEX50YR1DA Y	5.97	6.76	0.0004	276.58	276.25	22044
NSR0290	FEX50YR1DA Y	6.70	7.16	-0.0003	169.92	168.59	43943
NSR0310	FEX50YR1DA Y	9.28	9.53	0.0001	147.45	146.10	74376
NSR0330	FEX50YR1DA Y	9.65	10.21	0.0001	9.51	9.53	470
NSR0350	FEX50YR1DA Y	10.32	11.51	-0.0001	9.51	9.51	446
NSR0370	FEX50YR1DA Y	10.35	11.53	0.0000	16.78	9.51	19604
NSR0390	FEX50YR1DA Y	11.96	12.37	-0.0001	106.19	105.75	78791
NSR0410	FEX50YR1DA Y	12.27	13.10	0.0001	9.32	9.93	510
NSR0430	FEX50YR1DA Y	12.28	13.12	0.0000	13.83	9.32	31972
NSR0450	FEX50YR1DA Y	13.04	14.15	-0.0001	66.12	66.06	39605
NSR0470	FEX50YR1DA Y	13.10	14.59	-0.0001	50.40	50.31	16262
NSR0490	FEX50YR1DA Y	4.41	5.19	-0.0091	215.84	211.86	38563

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0510	FEX50YR1DA Y	4.48	5.41	-0.0015	117.61	116.80	24506
NSR0530	FEX50YR1DA Y	4.55	5.54	0.0002	39.35	38.19	69190
NSR0540	FEX50YR1DA Y	4.55	5.61	0.0007	145.82	143.11	112170
NSR0550	FEX50YR1DA Y	4.56	5.61	-0.0044	384.79	384.31	32874
NSR0560	FEX50YR1DA Y	4.66	5.66	0.0006	176.86	175.24	115208
NSR0570	FEX50YR1DA Y	5.28	5.84	0.0002	237.13	236.84	62848
NSR0580	FEX50YR1DA Y	6.13	6.82	-0.0001	33.33	19.93	118288
NSR0590	FEX50YR1DA Y	6.15	6.83	-0.0001	131.50	130.34	77381
NSR0610	FEX50YR1DA Y	6.26	6.89	-0.0001	147.15	139.16	81331
NSR0630	FEX50YR1DA Y	6.26	6.88	-0.0001	16.37	16.43	475
NSR0650	FEX50YR1DA Y	6.25	6.85	-0.0001	134.95	100.76	215074
NSR0660	FEX50YR1DA Y	6.13	6.80	-0.0001	88.80	86.44	77898
NSR0670	FEX50YR1DA Y	6.24	6.85	-0.0001	6.59	7.20	520
NSR0680	FEX50YR1DA Y	6.14	6.75	-0.0001	115.22	113.55	167572
NSR0690	FEX50YR1DA Y	6.24	6.84	-0.0001	6.23	6.59	599
NSR0710	FEX50YR1DA Y	6.23	6.84	0.0000	6.16	6.23	861
NSR0730	FEX50YR1DA Y	6.29	6.91	0.0001	199.52	171.35	202238
NSR0770	FEX50YR1DA Y	6.81	7.79	0.0001	186.82	185.73	29651
NSR0780	FEX50YR1DA Y	6.74	7.35	0.0001	76.61	75.67	30049
NSR0790	FEX50YR1DA Y	8.35	10.83	-0.0003	442.24	430.00	89343
NSR0791	FEX50YR1DA Y	7.13	8.74	0.0002	250.41	250.35	5596
NSR0809	FEX50YR1DA Y	12.76	11.91	-0.0004	75.91	93.18	2120
NSR0810	FEX50YR1DA Y	13.45	13.73	-0.0001	282.33	282.20	60533
NSR0830	FEX50YR1DA	15.10	15.58	-0.0002	353.57	351.03	166180

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NSR0840	FEX50YR1DA Y	16.09	16.36	0.0000	69.73	69.61	53922
NSR0850	FEX50YR1DA Y	15.64	16.27	-0.0003	283.55	282.48	82332
NSR0860	FEX50YR1DA Y	16.41	16.55	0.0000	13.37	13.41	17237
NSR0869	FEX50YR1DA Y	16.03	16.65	0.0001	30.19	29.94	1504
NSR0870	FEX50YR1DA Y	16.24	16.86	0.0001	236.22	236.00	50944
NSR0880	FEX50YR1DA Y	16.24	16.89	0.0001	101.29	101.00	25358
NSR0881	FEX50YR1DA Y	14.14	17.94	0.0005	406.16	403.48	195905
NSR0890	FEX50YR1DA Y	4.02	5.04	0.1107	278.81	274.45	114688
NSR0910	FEX50YR1DA Y	4.79	5.77	0.0030	219.51	220.50	88768
NSR0930	FEX50YR1DA Y	5.54	7.10	0.0000	271.84	50.14	335600
NSR0950	FEX50YR1DA Y	5.63	7.11	0.0004	397.89	377.48	183118
NSR0970	FEX50YR1DA Y	6.14	7.16	-0.0002	141.48	141.38	3616
NSR0990	FEX50YR1DA Y	6.27	7.18	-0.0001	258.06	257.21	4499
NSR1010	FEX50YR1DA Y	6.30	7.21	0.0000	62.12	59.66	19673
NSR1030	FEX50YR1DA Y	8.54	9.42	0.0002	200.17	199.64	10032
NSR1050	FEX50YR1DA Y	8.56	9.50	0.0000	136.16	133.49	30847
NSR1070	FEX50YR1DA Y	9.58	9.84	-0.0014	284.98	280.78	74569
NSR1090	FEX50YR1DA Y	11.30	11.50	0.0002	168.10	168.11	8672
NSR1110	FEX50YR1DA Y	11.57	11.60	0.0000	3.98	3.96	3049
NSR1130	FEX50YR1DA Y	11.29	11.43	0.0000	42.95	42.92	16199
NSR1150	FEX50YR1DA Y	11.39	11.65	0.0000	9.63	8.44	12838
NSR1170	FEX50YR1DA Y	11.38	11.63	0.0000	3.85	3.14	450
NSR1190	FEX50YR1DA Y	12.70	13.40	0.0000	167.41	167.40	14296

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR1210	FEX50YR1DA Y	12.70	13.40	0.0000	33.85	6.50	93632
NSR1230	FEX50YR1DA Y	14.76	15.54	0.0000	164.08	164.07	9743
NSR1270	FEX50YR1DA Y	14.99	15.72	0.0000	164.10	164.08	6276
NSR1290	FEX50YR1DA Y	14.99	15.72	0.0000	12.36	2.29	27258
NSR1310	FEX50YR1DA Y	14.99	15.72	0.0000	42.09	13.14	168198
NSR1330	FEX50YR1DA Y	15.44	16.49	0.0000	162.40	161.66	23694
NSR1350	FEX50YR1DA Y	15.45	16.50	0.0000	52.64	29.58	341348
NSR1370	FEX50YR1DA Y	15.56	16.57	0.0001	167.45	159.02	21929
NSR1390	FEX50YR1DA Y	15.56	16.57	0.0000	5.59	2.94	8211
NSR1410	FEX50YR1DA Y	15.56	16.57	0.0001	36.37	32.14	89407
NSR1430	FEX50YR1DA Y	15.76	16.67	0.0000	65.95	62.73	59817
NSR1450	FEX50YR1DA Y	15.74	16.67	0.0000	99.94	64.45	161116
NSR1470	FEX50YR1DA Y	15.96	16.69	0.0000	67.11	62.25	83534
NSR1490	FEX50YR1DA Y	16.21	16.71	0.0000	82.12	60.63	230716
NSR1510	FEX50YR1DA Y	16.21	16.71	0.0000	48.00	41.51	62089
NSR1530	FEX50YR1DA Y	15.56	16.57	0.0000	8.36	3.97	24526
NSR1550	FEX50YR1DA Y	15.68	16.65	0.0001	182.48	175.46	34739
NSR1570	FEX50YR1DA Y	15.68	16.65	-0.0001	33.06	25.75	20591
NSR1590	FEX50YR1DA Y	15.68	16.65	-0.0001	71.80	79.76	55810
NSR1610	FEX50YR1DA Y	15.75	16.71	-0.0002	31.07	21.29	57937
NSR1630	FEX50YR1DA Y	15.75	16.71	0.0000	111.56	106.92	21008
NSR1650	FEX50YR1DA Y	16.39	17.12	0.0000	4.70	4.70	503
NSR1670	FEX50YR1DA Y	15.92	17.30	0.0003	131.21	118.51	89601
NSR1690	FEX50YR1DA	16.24	17.47	0.0000	93.86	90.46	23667

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NSR1710	FEX50YR1DA Y	16.25	17.47	0.0000	11.96	10.55	37246
NSR1730	FEX50YR1DA Y	16.32	17.51	0.0001	97.47	92.92	20074
NSR1750	FEX50YR1DA Y	16.68	17.51	0.0000	4.95	4.95	4158
NSR1770	FEX50YR1DA Y	17.23	17.55	0.0000	27.41	14.30	23748
NSR1790	FEX50YR1DA Y	17.24	17.55	0.0000	33.69	16.32	41105
NSR1810	FEX50YR1DA Y	17.25	17.55	0.0000	11.22	8.70	18509
NSR1830	FEX50YR1DA Y	17.25	17.54	0.0000	102.83	99.68	120892
NSR1850	FEX50YR1DA Y	16.95	18.25	0.0000	15.79	12.09	14047
NSR1870	FEX50YR1DA Y	16.93	18.25	0.0001	101.02	34.34	180486
NSR1890	FEX50YR1DA Y	16.05	18.26	0.0001	13.36	13.77	1056
NSR1910	FEX50YR1DA Y	15.45	18.26	0.0003	171.53	163.24	172679
NSR1930	FEX50YR1DA Y	16.53	17.59	0.0001	71.05	70.04	12964
NSR1950	FEX50YR1DA Y	16.70	17.55	-0.0001	27.04	27.15	15433
NSR1970	FEX50YR1DA Y	16.84	18.00	0.0000	46.43	30.34	101505
NSR1990	FEX50YR1DA Y	16.86	17.83	0.0000	9.16	8.89	949
NSR2010	FEX50YR1DA Y	16.91	17.68	0.0000	23.95	12.06	57264
NSR2030	FEX50YR1DA Y	16.90	17.52	0.0000	12.06	12.07	751
NSR2050	FEX50YR1DA Y	16.88	17.28	0.0000	24.45	21.96	32871
NSR2070	FEX50YR1DA Y	16.81	17.28	-0.0001	6.60	6.51	781
NSR2090	FEX50YR1DA Y	16.72	17.27	0.0000	6.51	6.43	673
NSR2110	FEX50YR1DA Y	16.54	17.26	0.0000	25.56	23.13	39816
NSR2130	FEX50YR1DA Y	16.50	16.61	0.0000	24.39	21.57	89433
NSR2150	FEX50YR1DA Y	17.60	18.08	0.0000	96.71	62.91	276675

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR2170	FEX50YR1DA Y	17.62	18.09	0.0004	29.28	29.42	2087
NSR2190	FEX50YR1DA Y	17.62	18.10	-0.0003	29.16	29.28	967
NSR2210	FEX50YR1DA Y	17.62	18.10	0.0000	97.94	71.24	239757
NSR2230	FEX50YR1DA Y	17.62	18.10	0.0004	19.68	19.31	675
NSR2250	FEX50YR1DA Y	17.63	18.10	0.0001	25.61	20.37	15062
NSR2270	FEX50YR1DA Y	17.63	18.11	0.0001	32.76	22.30	43587
NSR2290	FEX50YR1DA Y	17.63	18.11	0.0002	18.71	18.47	888
NSR2310	FEX50YR1DA Y	17.63	18.11	0.0000	25.35	19.33	35079
NSR2330	FEX50YR1DA Y	17.65	18.33	0.0000	28.44	11.80	55217
NSR2350	FEX50YR1DA Y	17.65	18.33	0.0000	35.91	15.04	99986
NSR2370	FEX50YR1DA Y	16.66	17.92	0.0000	56.76	51.51	9676
NSR2390	FEX50YR1DA Y	18.07	18.14	0.0000	19.52	14.33	71658
NSR2410	FEX50YR1DA Y	16.66	17.92	0.0000	63.00	42.81	22485
NSR2430	FEX50YR1DA Y	17.99	18.02	0.0000	4.32	4.30	3774
NSR2450	FEX50YR1DA Y	18.06	18.27	0.0000	58.02	56.13	30169
NSR3000	FEX50YR1DA Y	17.04	18.26	-0.0727	17.73	49.45	55988
NSR3005	FEX50YR1DA Y	17.02	18.26	0.1453	49.45	4.09	566
NSR3020	FEX50YR1DA Y	17.61	18.04	-0.0001	171.05	170.51	110611
NSR3040	FEX50YR1DA Y	16.25	16.90	0.0000	202.91	200.05	130835
NSR3060	FEX50YR1DA Y	16.21	16.71	0.0000	50.62	49.54	66981
NSW0010	FEX50YR1DA Y	2.00	2.00	0.0000	32.65	0.00	0
NSW0030	FEX50YR1DA Y	2.13	3.39	0.0003	32.65	32.65	587
NSW0050	FEX50YR1DA Y	4.04	6.26	-0.0003	51.05	32.65	42930
Outfall	FEX50YR1DA	2.00	2.00	0.0000	125.18	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
Outfall_NE	FEX50YR1DA Y	21.00	21.03	0.0004	8.78	0.00	0
PondA	FEX50YR1DA Y	0.00	20.43	0.0000	31.96	23.91	90570
PondB	FEX50YR1DA Y	0.00	17.69	0.0000	205.76	166.89	199365
SH_OUTFALL	FEX50YR1DA Y	2.00	2.00	0.0000	461.54	0.00	0
STORAGE1	FEX50YR1DA Y	0.00	20.79	0.0000	6.97	1.24	7405
STORAGE10	FEX50YR1DA Y	0.00	20.83	0.0000	4.82	0.34	9148
STORAGE11	FEX50YR1DA Y	0.00	21.30	0.0003	97.59	0.01	18648
STORAGE12	FEX50YR1DA Y	0.00	21.73	0.0004	91.14	5.91	10262
STORAGE13	FEX50YR1DA Y	0.00	20.15	0.0001	43.80	0.70	5323
STORAGE14	FEX50YR1DA Y	0.00	23.03	0.0000	7.18	0.03	13395
STORAGE2	FEX50YR1DA Y	0.00	20.12	0.0001	30.46	2.93	18426
STORAGE4	FEX50YR1DA Y	0.00	20.12	0.0002	68.17	3.35	12088
STORAGE5	FEX50YR1DA Y	0.00	21.47	0.0000	14.15	6.47	20042
STORAGE8	FEX50YR1DA Y	0.00	20.10	0.0000	3.09	1.19	6098
STORAGE9	FEX50YR1DA Y	0.00	20.64	0.0014	14.26	2.76	11761
Sevilla1	FEX50YR1DA Y	1.20	2.48	0.0000	0.28	0.10	804
Sevilla2	FEX50YR1DA Y	1.23	2.29	0.0000	0.13	0.06	610
Sevilla3	FEX50YR1DA Y	1.20	2.48	0.0000	0.73	0.28	1339
Sevilla4	FEX50YR1DA Y	1.20	2.48	0.0000	1.22	0.73	1450
Shamrock2	FEX50YR1DA Y	1.11	2.29	0.0001	125.19	125.18	5389
Shmrck1.1	FEX50YR1DA Y	1.38	2.78	-0.0003	127.86	125.41	6206
Shmrck1.2	FEX50YR1DA Y	1.20	2.48	0.0001	125.41	125.23	3971
V3	FEX50YR1DA Y	6.53	6.60	0.0000	1.05	0.90	36741

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
BC_N02	FEX5YR1DAY	0.00	18.00	0.0000	0.00	0.00	0
Church1	FEX5YR1DAY	8.77	8.73	0.0000	0.05	0.01	497
Church2	FEX5YR1DAY	8.77	8.74	0.0000	4.57	3.87	4390
Clark1	FEX5YR1DAY	7.21	7.33	0.0000	0.62	0.28	742
Clark2	FEX5YR1DAY	7.21	7.33	0.0000	47.05	47.03	4366
DM1	FEX5YR1DAY	11.42	11.59	0.0000	4.46	4.58	1384
DM2	FEX5YR1DAY	10.30	10.36	0.0000	4.58	4.36	2114
DM3	FEX5YR1DAY	9.16	9.27	0.0000	4.36	4.57	2979
E_Outlet	FEX5YR1DAY	0.00	16.19	0.0002	67.24	33.40	0
E_Outlet2	FEX5YR1DAY	0.00	17.00	0.0000	0.00	0.00	0
EIP_Hes.1	FEX5YR1DAY	1.99	2.39	0.0000	0.34	0.27	763
EIP_con.1	FEX5YR1DAY	2.18	2.49	-0.0001	46.89	46.88	4221
EIPrad.1	FEX5YR1DAY	1.99	2.39	0.0000	0.16	0.10	630
G1	FEX5YR1DAY	14.98	15.22	-0.0005	63.85	48.84	35860
G10	FEX5YR1DAY	8.77	8.73	0.0000	47.07	47.05	4573
G2	FEX5YR1DAY	14.99	15.22	-0.0002	15.24	14.16	32915
G3	FEX5YR1DAY	14.86	15.16	-0.0005	62.99	53.35	27825
G4	FEX5YR1DAY	12.82	13.78	-0.0001	53.35	53.34	2076
G5	FEX5YR1DAY	11.69	12.11	0.0001	53.34	53.34	1864
G6	FEX5YR1DAY	11.00	9.24	0.0000	8.11	0.00	0
G7	FEX5YR1DAY	11.00	11.03	0.0000	53.34	53.32	3601
G8	FEX5YR1DAY	10.07	10.16	0.0000	45.21	45.21	2143
G9	FEX5YR1DAY	9.41	9.58	0.0001	45.21	45.21	1353
H1	FEX5YR1DAY	1.99	2.39	0.0000	0.12	0.11	514
H2.1	FEX5YR1DAY	1.99	2.39	-0.0001	46.88	46.87	6105
Hubert	FEX5YR1DAY	3.16	3.22	0.0000	47.03	46.98	5965
JUNCT1	FEX5YR1DAY	0.00	18.95	0.0000	4.00	3.92	4247
JUNCT10	FEX5YR1DAY	0.00	21.97	0.0000	40.47	40.34	10022
JUNCT2	FEX5YR1DAY	0.00	14.24	0.0000	19.26	19.23	2263
JUNCT3	FEX5YR1DAY	0.00	19.89	0.0000	4.19	4.01	10373
JUNCT4	FEX5YR1DAY	0.00	13.65	0.0000	3.95	3.95	5541
JUNCT6	FEX5YR1DAY	0.00	15.37	0.0000	30.03	30.03	4355
JUNCT7	FEX5YR1DAY	0.00	19.37	0.0000	65.46	65.45	8386
JUNCT7B	FEX5YR1DAY	0.00	18.98	0.0000	65.45	64.86	18387
JUNCT8	FEX5YR1DAY	0.00	19.38	0.0000	107.79	107.92	11632
JUNCT8B	FEX5YR1DAY	0.00	18.98	0.0000	107.39	106.55	26034
JUNCT9	FEX5YR1DAY	0.00	29.44	0.0000	34.75	34.75	9169
L1	FEX5YR1DAY	11.53	11.53	0.0000	0.00	0.00	436
L2	FEX5YR1DAY	11.63	11.63	0.0000	0.00	0.00	436
L3	FEX5YR1DAY	10.43	10.43	0.0000	0.00	0.00	436
L4	FEX5YR1DAY	8.43	8.43	0.0000	0.00	0.00	436
L5	FEX5YR1DAY	7.63	7.63	0.0000	0.00	0.00	436
L6	FEX5YR1DAY	6.93	6.93	0.0000	0.00	0.00	436
Lois	FEX5YR1DAY	4.82	4.73	0.0000	47.03	47.03	6808
M1	FEX5YR1DAY	2.58	2.75	0.0000	0.18	0.04	718
M1.1	FEX5YR1DAY	6.33	6.33	0.0000	0.00	0.00	436
M1.2	FEX5YR1DAY	7.03	7.03	0.0000	0.00	0.00	436

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
M1.3	FEX5YR1DAY	7.13	7.13	0.0000	0.00	0.00	436
M2	FEX5YR1DAY	2.58	2.75	0.0000	0.52	0.23	1056
M3	FEX5YR1DAY	2.58	2.75	0.0000	0.71	0.54	1177
M4	FEX5YR1DAY	2.58	2.75	0.0000	1.08	0.89	908
M5.1	FEX5YR1DAY	2.57	2.75	0.0000	46.98	46.93	6162
M6	FEX5YR1DAY	2.58	2.75	0.0000	0.34	0.22	558
Marjory_Pump	FEX5YR1DAY	0.00	33.33	0.0102	3.62	2.76	496
N01	FEX5YR1DAY	0.00	20.19	0.0000	15.22	7.67	23865
N01A	FEX5YR1DAY	0.00	20.17	-0.0001	7.67	7.42	437
N02	FEX5YR1DAY	0.00	16.58	0.0001	16.59	16.36	876
N03	FEX5YR1DAY	0.00	16.68	0.0000	2.45	2.48	597
N04	FEX5YR1DAY	0.00	17.56	0.0000	4.39	4.29	999
N05	FEX5YR1DAY	0.00	16.56	0.0000	93.38	93.43	4415
N06	FEX5YR1DAY	0.00	15.58	0.0001	75.72	75.88	3292
N07A	FEX5YR1DAY	0.00	13.38	-0.0001	78.64	78.79	4248
N08A	FEX5YR1DAY	0.00	11.94	0.0003	100.91	97.94	9318
N09	FEX5YR1DAY	0.00	10.50	0.0001	7.78	8.13	467
N09A	FEX5YR1DAY	0.00	10.42	0.0002	103.13	103.18	1361
N10	FEX5YR1DAY	2.00	2.00	0.0000	190.46	0.00	0
N11	FEX5YR1DAY	0.00	16.33	-0.0006	55.70	67.24	99248
NBB0010	FEX5YR1DAY	2.00	2.00	0.0000	119.38	0.00	0
NBB0030	FEX5YR1DAY	5.03	6.19	-0.0003	119.38	119.38	557
NBB0050	FEX5YR1DAY	9.15	10.39	-0.0001	131.51	119.38	20713
NBB0070	FEX5YR1DAY	11.30	12.41	0.0001	109.43	108.78	2549
NBB0090	FEX5YR1DAY	12.67	13.49	0.0001	93.26	93.90	1994
NBB0110	FEX5YR1DAY	13.46	14.20	0.0001	90.93	91.29	1981
NBB0130	FEX5YR1DAY	15.26	16.04	-0.0002	32.65	26.78	27496
NBB0150	FEX5YR1DAY	14.01	14.68	0.0001	70.34	70.57	1936
NBB0170	FEX5YR1DAY	14.74	15.31	0.0001	70.11	70.34	1452
NBB0190	FEX5YR1DAY	15.42	15.89	0.0001	69.88	70.11	5800
NBB0210	FEX5YR1DAY	15.70	16.15	0.0001	67.52	67.73	1556
NBB0230	FEX5YR1DAY	16.02	16.45	0.0001	67.31	67.52	1635
NBB0250	FEX5YR1DAY	16.31	16.70	0.0001	66.48	66.67	2036
NBB0270	FEX5YR1DAY	17.05	17.15	0.0001	66.17	66.48	5938
NBB0290	FEX5YR1DAY	17.06	17.16	0.0002	57.04	54.02	1258
NBB0310	FEX5YR1DAY	17.07	17.17	-0.0002	145.55	98.36	275561
NBB0330	FEX5YR1DAY	16.57	16.63	0.0002	34.83	34.48	7806
NBB0350	FEX5YR1DAY	16.45	16.54	0.0002	25.13	26.35	1396
NBB0370	FEX5YR1DAY	16.33	16.45	0.0002	56.39	48.02	45617
NBB0390	FEX5YR1DAY	16.32	16.45	0.0002	19.89	20.90	1838
NBB0410	FEX5YR1DAY	16.30	16.43	-0.0002	53.83	49.83	33345
NBB0430	FEX5YR1DAY	15.45	15.50	-0.0002	67.95	73.56	67343
NBW0010	FEX5YR1DAY	2.00	2.00	0.0000	584.25	0.00	0
NBW0030	FEX5YR1DAY	3.39	3.50	0.0000	584.33	584.25	39762
NBW0050	FEX5YR1DAY	3.92	3.88	0.0000	8.12	5.76	5143
NBW0070	FEX5YR1DAY	3.57	3.69	0.0000	183.92	184.55	27965

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW0090	FEX5YR1DAY	3.66	3.71	0.0000	5.59	4.33	7467
NBW0130	FEX5YR1DAY	3.73	3.87	0.0000	181.31	181.65	14255
NBW0150	FEX5YR1DAY	3.93	3.91	0.0001	9.23	8.87	442
NBW0170	FEX5YR1DAY	3.98	3.92	0.0000	4.22	3.81	3580
NBW0190	FEX5YR1DAY	3.89	4.01	0.0001	178.98	179.14	5850
NBW0210	FEX5YR1DAY	6.25	6.28	0.0000	7.32	7.17	5421
NBW0230	FEX5YR1DAY	4.01	4.14	-0.0001	177.80	177.87	2956
NBW0250	FEX5YR1DAY	4.88	5.04	0.0000	176.68	176.72	5423
NBW0270	FEX5YR1DAY	5.49	5.42	0.0001	32.26	28.82	16010
NBW0290	FEX5YR1DAY	5.91	5.87	0.0000	25.19	24.67	12568
NBW0310	FEX5YR1DAY	6.38	6.26	0.0000	8.49	8.44	743
NBW0330	FEX5YR1DAY	5.50	5.73	0.0000	170.54	170.64	21549
NBW0350	FEX5YR1DAY	4.97	4.95	0.0000	6.85	6.84	2493
NBW0370	FEX5YR1DAY	5.52	5.74	-0.0001	9.65	8.76	2207
NBW0390	FEX5YR1DAY	5.52	5.74	-0.0001	8.41	7.75	11410
NBW0410	FEX5YR1DAY	5.54	5.78	-0.0002	165.40	165.67	3446
NBW0430	FEX5YR1DAY	5.89	6.11	-0.0001	4.86	3.91	2283
NBW0450	FEX5YR1DAY	5.89	6.11	0.0001	166.01	165.40	10790
NBW0470	FEX5YR1DAY	5.89	6.11	-0.0001	3.54	2.61	1335
NBW0490	FEX5YR1DAY	5.92	6.15	-0.0002	164.17	164.53	2743
NBW0510	FEX5YR1DAY	6.72	6.60	0.0000	2.68	2.67	1662
NBW0530	FEX5YR1DAY	6.22	6.49	0.0000	163.87	163.78	4802
NBW0550	FEX5YR1DAY	6.72	7.00	0.0000	106.98	93.76	133209
NBW0570	FEX5YR1DAY	7.09	7.14	0.0000	114.75	114.34	7188
NBW0590	FEX5YR1DAY	10.03	9.96	-0.0004	145.66	144.53	79758
NBW0610	FEX5YR1DAY	6.45	6.70	-0.0001	145.91	145.88	7331
NBW0630	FEX5YR1DAY	6.22	6.49	0.0000	3.49	1.87	11356
NBW0650	FEX5YR1DAY	6.66	6.94	0.0000	146.74	145.87	20499
NBW0670	FEX5YR1DAY	6.66	6.94	0.0000	4.92	2.55	15355
NBW0690	FEX5YR1DAY	6.71	6.99	-0.0001	106.33	107.52	9002
NBW0710	FEX5YR1DAY	6.71	6.99	0.0000	12.02	9.71	20881
NBW0730	FEX5YR1DAY	6.72	6.99	-0.0001	104.42	102.70	134394
NBW0750	FEX5YR1DAY	7.06	7.19	0.0001	100.40	96.81	80323
NBW0770	FEX5YR1DAY	7.06	7.19	-0.0002	20.03	15.35	12020
NBW0790	FEX5YR1DAY	8.11	7.80	0.0000	17.05	16.75	874
NBW0810	FEX5YR1DAY	7.06	7.20	0.0000	44.72	33.48	22950
NBW0830	FEX5YR1DAY	8.41	7.84	0.0001	27.34	26.98	1328
NBW0850	FEX5YR1DAY	10.17	8.53	0.0001	25.20	24.81	756
NBW0870	FEX5YR1DAY	7.06	7.22	0.0001	49.28	47.98	87597
NBW0890	FEX5YR1DAY	7.06	7.20	0.0002	16.89	17.51	1027
NBW0910	FEX5YR1DAY	7.06	7.20	-0.0001	71.76	71.33	91092
NBW0930	FEX5YR1DAY	8.03	7.47	-0.0001	36.98	36.63	1301
NBW0950	FEX5YR1DAY	8.82	7.85	-0.0001	40.05	36.98	24330
NBW0970	FEX5YR1DAY	8.82	7.86	0.0001	31.64	31.50	9549
NBW0990	FEX5YR1DAY	8.82	7.93	-0.0003	22.23	22.33	785
NBW1010	FEX5YR1DAY	8.83	8.46	-0.0001	31.25	31.24	1191
NBW1030	FEX5YR1DAY	9.19	9.92	-0.0001	50.06	30.87	42329

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW1050	FEX5YR1DAY	9.30	9.94	-0.0001	19.01	18.66	900
NBW1070	FEX5YR1DAY	9.34	9.94	-0.0001	89.04	78.83	59198
NBW1090	FEX5YR1DAY	3.78	3.88	0.0000	393.47	391.78	12134
NBW1130	FEX5YR1DAY	4.51	4.55	-0.0001	18.00	12.75	15272
NBW1150	FEX5YR1DAY	4.53	4.56	0.0000	14.71	11.95	40171
NBW1169	FEX5YR1DAY	4.09	4.16	0.0000	380.82	379.44	16335
NBW1170	FEX5YR1DAY	4.30	4.39	0.0001	376.13	374.51	5967
NBW1190	FEX5YR1DAY	6.13	6.02	-0.0001	21.49	20.30	49134
NBW1210	FEX5YR1DAY	7.17	7.06	-0.0003	79.02	44.66	90706
NBW1230	FEX5YR1DAY	7.17	7.07	-0.0002	107.42	65.80	143876
NBW1250	FEX5YR1DAY	4.74	4.83	0.0001	345.44	343.17	7384
NBW1270	FEX5YR1DAY	6.14	6.02	-0.0001	9.05	9.55	13939
NBW1310	FEX5YR1DAY	5.21	5.26	-0.0001	374.88	344.72	8354
NBW1330	FEX5YR1DAY	7.56	8.16	0.0013	305.94	332.89	3123
NBW1350	FEX5YR1DAY	10.95	11.53	0.0002	29.08	28.02	1516
NBW1351	FEX5YR1DAY	8.89	9.67	0.0004	259.35	259.08	8277
NBW1352	FEX5YR1DAY	9.96	10.88	0.0006	250.96	250.69	7956
NBW1353	FEX5YR1DAY	11.01	12.08	0.0005	249.70	244.02	8196
NBW1370	FEX5YR1DAY	10.02	10.44	0.0004	203.56	201.28	6358
NBW1390	FEX5YR1DAY	15.24	15.32	-0.0003	232.28	229.65	121931
NBW1410	FEX5YR1DAY	15.58	15.60	0.0003	188.52	184.39	21703
NBW1430	FEX5YR1DAY	15.79	15.76	-0.0002	158.14	165.50	19990
NBW1450	FEX5YR1DAY	16.94	16.92	0.0002	202.78	202.51	105865
NBW1460	FEX5YR1DAY	16.43	16.42	0.0002	154.86	155.41	4273
NBW1470	FEX5YR1DAY	17.14	17.18	-0.0005	209.12	204.41	149209
NBW1480	FEX5YR1DAY	18.11	18.14	0.0001	10.10	8.38	15475
NBW1490	FEX5YR1DAY	17.86	17.96	0.0001	135.10	132.07	58564
NBW1510	FEX5YR1DAY	18.12	18.19	0.0004	148.24	148.65	17635
NBW1530	FEX5YR1DAY	17.92	18.01	0.0001	17.64	12.17	1182
NBW1550	FEX5YR1DAY	17.75	17.83	0.0001	30.23	28.76	12640
NBW1570	FEX5YR1DAY	18.21	18.34	0.0002	146.64	147.03	2604
NBW1590	FEX5YR1DAY	18.12	18.20	0.0001	35.60	32.51	16859
NBW1610	FEX5YR1DAY	18.13	18.20	0.0001	29.95	29.20	7358
NBW1630	FEX5YR1DAY	18.13	18.18	0.0001	15.40	15.26	1762
NBW1650	FEX5YR1DAY	18.81	18.96	0.0001	13.21	11.69	7579
NBW1670	FEX5YR1DAY	18.89	19.01	0.0001	26.26	25.04	7603
NBW1690	FEX5YR1DAY	19.03	19.03	0.0001	16.07	15.32	8036
NBW1710	FEX5YR1DAY	19.26	19.03	0.0001	3.83	1.30	998
NBW1730	FEX5YR1DAY	18.65	18.96	0.0004	152.53	137.16	201885
NBW1750	FEX5YR1DAY	18.82	18.97	-0.0001	103.20	100.29	29395
NBW1770	FEX5YR1DAY	18.82	18.97	0.0001	93.30	82.87	71704
NBW1790	FEX5YR1DAY	18.91	19.00	0.0001	21.41	21.12	2600
NBW1820	FEX5YR1DAY	18.72	18.77	0.0000	45.85	31.91	87890
NBW1830	FEX5YR1DAY	18.74	18.98	-0.0001	75.15	75.41	14846
NBW1840	FEX5YR1DAY	18.39	18.44	0.0000	73.14	63.55	84058
NBW1850	FEX5YR1DAY	18.74	18.99	-0.0001	85.78	74.32	84887
NBW1860	FEX5YR1DAY	18.39	18.44	0.0000	10.30	6.98	17176

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW1870	FEX5YR1DAY	18.72	18.78	-0.0002	24.00	14.84	27629
NBW1890	FEX5YR1DAY	19.06	19.13	0.0002	57.69	58.02	2613
NBW1910	FEX5YR1DAY	19.27	19.24	0.0001	57.41	57.69	2618
NBW1930	FEX5YR1DAY	19.27	19.26	0.0001	56.79	57.05	5493
NBW1950	FEX5YR1DAY	18.97	19.00	0.0001	4.65	2.20	450
NBW1970	FEX5YR1DAY	18.96	18.99	0.0000	8.67	8.55	2853
NBW1990	FEX5YR1DAY	19.27	19.31	0.0001	54.54	55.47	54819
NBW2010	FEX5YR1DAY	19.65	19.48	0.0001	10.20	9.09	6861
NBW2030	FEX5YR1DAY	19.65	19.48	0.0001	9.83	9.03	15428
NBW2050	FEX5YR1DAY	19.26	19.39	0.0001	50.49	51.39	59894
NBW2060	FEX5YR1DAY	0.00	19.52	0.0000	15.26	13.10	26363
NBW2070	FEX5YR1DAY	19.26	19.39	0.0001	66.47	59.06	97868
NBW2090	FEX5YR1DAY	19.10	18.97	0.0001	38.37	38.36	11637
NBW2110	FEX5YR1DAY	18.92	18.96	0.0001	112.87	94.89	128483
NBW2130	FEX5YR1DAY	18.92	18.97	-0.0001	29.21	24.83	32093
NBW2140	FEX5YR1DAY	20.00	18.98	-0.0001	5.13	5.13	584
NBW2145	FEX5YR1DAY	0.00	19.21	-0.0008	14.94	74.28	19747
NBW2150	FEX5YR1DAY	19.26	19.58	0.0001	51.46	51.06	15477
NBW2170	FEX5YR1DAY	19.12	19.64	0.0002	10.52	4.08	864
NBW2190	FEX5YR1DAY	19.10	19.67	0.0001	5.57	4.48	5388
NBW2210	FEX5YR1DAY	19.47	19.66	0.0001	27.17	24.86	5714
NBW2230	FEX5YR1DAY	19.47	19.70	0.0001	35.16	34.32	40740
NBW2250	FEX5YR1DAY	19.51	19.68	0.0001	16.88	16.37	2376
NBW2270	FEX5YR1DAY	19.57	19.71	0.0001	17.69	15.96	8471
NBW2290	FEX5YR1DAY	19.65	19.71	0.0001	26.72	21.27	76813
NBW2310	FEX5YR1DAY	19.82	19.74	0.0001	23.14	17.56	84997
NBW2330	FEX5YR1DAY	19.82	19.75	-0.0001	19.48	9.42	45920
NBW2350	FEX5YR1DAY	16.05	16.11	0.0001	63.00	62.56	31250
NBW2370	FEX5YR1DAY	16.11	16.15	-0.0001	13.66	11.50	58692
NBW2380	FEX5YR1DAY	12.29	13.54	0.0004	249.72	244.23	10756
NBW2385	FEX5YR1DAY	18.49	18.49	0.0000	3.26	3.25	6479
NBW2387	FEX5YR1DAY	16.11	15.74	0.0000	0.44	0.42	478
NBW2390	FEX5YR1DAY	16.42	16.74	0.0001	40.10	39.99	2672
NBW2410	FEX5YR1DAY	16.59	17.68	-0.0001	39.41	31.09	78747
NBW2430	FEX5YR1DAY	16.23	17.68	0.0001	84.29	81.92	38643
NBW2450	FEX5YR1DAY	16.15	17.62	-0.0003	161.46	158.92	4396
NBW2470	FEX5YR1DAY	16.43	17.75	0.0001	123.32	117.72	34470
NBW2490	FEX5YR1DAY	16.90	17.75	-0.0002	78.05	77.66	19387
NBW2510	FEX5YR1DAY	17.74	17.84	0.0001	74.52	73.81	2032
NBW2530	FEX5YR1DAY	17.92	18.01	0.0001	64.92	65.22	2011
NBW2550	FEX5YR1DAY	17.95	18.02	0.0001	2.49	2.90	450
NBW2570	FEX5YR1DAY	17.96	18.03	0.0000	2.66	2.49	3613
NBW2590	FEX5YR1DAY	18.06	18.13	0.0002	53.26	53.46	1098
NBW2610	FEX5YR1DAY	17.00	17.78	-0.0007	128.75	121.38	48852
NBW2630	FEX5YR1DAY	17.98	18.01	0.0001	122.47	120.39	38750
NBW2650	FEX5YR1DAY	16.97	17.77	-0.0003	28.43	29.28	13073
NBW2670	FEX5YR1DAY	16.42	17.73	0.0001	30.27	31.17	9078

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW2680	FEX5YR1DAY	17.73	17.81	-0.0001	32.47	31.38	20403
NBW2690	FEX5YR1DAY	15.40	17.10	0.0002	247.13	241.20	40484
NBW2710	FEX5YR1DAY	17.73	17.82	-0.0001	2.66	3.60	533
NBW2730	FEX5YR1DAY	18.29	18.27	0.0000	1.78	0.46	4356
NBW2770	FEX5YR1DAY	18.09	18.12	0.0001	13.27	13.30	1310
NBW2775	FEX5YR1DAY	6.59	6.51	0.0000	9.61	5.34	23735
NBW2780	FEX5YR1DAY	18.38	18.42	-0.0003	45.91	39.25	63608
NBW2790	FEX5YR1DAY	18.38	18.43	0.0000	138.90	139.30	85914
NBW2810	FEX5YR1DAY	18.39	18.44	-0.0001	52.71	52.98	68037
NBW2830	FEX5YR1DAY	18.40	18.45	-0.0001	43.63	34.47	107544
NC01	FEX5YR1DAY	0.00	4.06	0.0000	10.68	10.61	3211
NC01B	FEX5YR1DAY	0.00	5.80	0.0000	11.09	10.95	4337
NC02	FEX5YR1DAY	0.00	8.08	-0.0001	108.45	108.46	1890
NC03	FEX5YR1DAY	0.00	4.70	0.0002	122.76	122.75	2240
NC04	FEX5YR1DAY	0.00	3.33	0.0000	31.63	29.45	22337
NC05	FEX5YR1DAY	0.00	3.32	-0.0001	31.83	29.87	35647
NC06	FEX5YR1DAY	0.00	3.25	0.0000	31.79	31.05	15886
NC07	FEX5YR1DAY	0.00	3.24	-0.0001	22.60	22.29	15026
NC08	FEX5YR1DAY	0.00	3.21	0.0000	25.58	25.38	11576
NCL0010	FEX5YR1DAY	2.00	2.00	0.0000	570.74	0.00	0
NCL0030	FEX5YR1DAY	2.36	2.80	-0.0002	496.57	496.54	6856
NCL0050	FEX5YR1DAY	2.36	2.80	0.0000	0.40	0.95	439
NCL0070	FEX5YR1DAY	5.20	5.28	0.0000	94.41	93.59	36238
NCL0090	FEX5YR1DAY	6.06	6.02	-0.0001	41.97	29.38	61874
NCL0110	FEX5YR1DAY	3.04	3.38	-0.0007	572.22	572.21	6623
NCL0130	FEX5YR1DAY	4.05	3.48	-0.0002	119.60	119.66	565
NCL0150	FEX5YR1DAY	4.95	4.33	0.0000	119.60	119.60	2802
NCL0170	FEX5YR1DAY	5.08	4.44	-0.0001	62.66	62.96	1380
NCL0190	FEX5YR1DAY	5.08	4.45	0.0000	2.22	1.98	438
NCL0210	FEX5YR1DAY	5.85	4.83	-0.0001	92.15	92.74	1357
NCL0230	FEX5YR1DAY	6.60	6.28	-0.0001	32.77	29.88	13155
NCL0250	FEX5YR1DAY	6.60	6.28	0.0001	3.28	3.40	590
NCL0270	FEX5YR1DAY	6.60	6.29	0.0001	4.01	3.96	1157
NCL0290	FEX5YR1DAY	5.90	4.96	0.0001	58.94	59.13	924
NCL0310	FEX5YR1DAY	6.10	5.57	0.0010	58.77	58.94	1045
NCL0330	FEX5YR1DAY	5.95	5.57	-0.0001	3.54	5.09	4177
NCL0350	FEX5YR1DAY	6.60	6.29	-0.0005	90.98	75.65	41325
NCL0370	FEX5YR1DAY	7.36	7.34	0.0002	62.42	61.42	13445
NCL0390	FEX5YR1DAY	4.02	4.28	-0.0022	437.98	471.49	4339
NCL0410	FEX5YR1DAY	4.09	4.35	-0.0002	5.00	4.90	819
NCL0430	FEX5YR1DAY	4.23	4.44	0.0000	5.18	5.00	639
NCL0450	FEX5YR1DAY	4.75	4.95	-0.0011	431.73	431.87	3676
NCL0470	FEX5YR1DAY	5.43	5.56	-0.0010	429.31	429.44	3437
NCL0490	FEX5YR1DAY	6.48	6.52	-0.0006	456.10	457.90	28802
NCL0510	FEX5YR1DAY	6.67	6.68	0.0002	31.26	31.02	1146
NCL0530	FEX5YR1DAY	8.10	7.78	0.0004	40.47	19.15	1175
NCL0550	FEX5YR1DAY	8.17	7.83	-0.0002	23.47	40.47	11660

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL0570	FEX5YR1DAY	8.66	8.01	0.0001	11.85	11.54	840
NCL0590	FEX5YR1DAY	7.00	7.04	-0.0009	414.98	415.17	3392
NCL0610	FEX5YR1DAY	7.52	7.60	0.0007	410.27	410.37	3640
NCL0630	FEX5YR1DAY	8.06	8.18	-0.0004	408.80	408.89	4608
NCL0650	FEX5YR1DAY	8.12	8.24	-0.0003	48.39	102.62	1613
NCL0670	FEX5YR1DAY	8.67	8.75	0.0005	132.33	48.39	1694
NCL0690	FEX5YR1DAY	8.76	8.83	0.0002	34.20	35.14	605
NCL0710	FEX5YR1DAY	8.95	8.98	0.0002	34.07	33.72	601
NCL0730	FEX5YR1DAY	9.26	9.25	-0.0001	34.74	34.07	554
NCL0750	FEX5YR1DAY	9.56	9.53	0.0000	74.77	65.17	45685
NCL0770	FEX5YR1DAY	10.12	10.06	0.0000	46.98	46.73	2178
NCL0790	FEX5YR1DAY	8.69	8.78	0.0005	28.62	101.59	895
NCL0810	FEX5YR1DAY	8.84	8.94	0.0001	28.66	28.62	1379
NCL0830	FEX5YR1DAY	8.93	9.20	0.0005	364.49	366.17	27768
NCL0850	FEX5YR1DAY	9.01	9.23	0.0001	76.85	72.99	9834
NCL0870	FEX5YR1DAY	9.37	9.35	-0.0001	94.36	94.08	2022
NCL0890	FEX5YR1DAY	9.65	9.45	-0.0001	80.48	80.08	1591
NCL0910	FEX5YR1DAY	9.71	9.45	0.0001	5.91	5.43	489
NCL0930	FEX5YR1DAY	9.57	9.65	-0.0001	75.49	75.06	2111
NCL0950	FEX5YR1DAY	9.89	9.92	0.0001	60.97	60.69	3155
NCL0970	FEX5YR1DAY	10.41	10.15	0.0000	37.31	36.90	2267
NCL0990	FEX5YR1DAY	11.00	10.52	0.0000	25.06	24.64	1493
NCL1010	FEX5YR1DAY	11.14	10.60	0.0000	5.57	5.19	650
NCL1030	FEX5YR1DAY	9.67	9.37	-0.0002	21.36	33.52	1470
NCL1050	FEX5YR1DAY	10.46	9.38	0.0001	5.66	5.18	622
NCL1070	FEX5YR1DAY	9.30	10.11	0.0001	3.75	3.82	619
NCL1090	FEX5YR1DAY	9.76	10.25	0.0000	35.42	8.79	18418
NCL1110	FEX5YR1DAY	9.85	9.93	0.0001	16.99	17.09	2095
NCL1130	FEX5YR1DAY	9.76	10.25	0.0001	17.87	16.43	35520
NCL1150	FEX5YR1DAY	9.76	10.25	0.0001	436.58	445.01	189324
NCL1170	FEX5YR1DAY	10.59	11.32	0.0005	385.35	354.45	95336
NCL1190	FEX5YR1DAY	10.72	11.36	0.0001	65.48	65.06	1853
NCL1210	FEX5YR1DAY	10.63	11.34	0.0001	32.86	8.75	51010
NCL1230	FEX5YR1DAY	10.94	11.43	0.0001	65.91	65.48	1432
NCL1250	FEX5YR1DAY	11.11	11.50	0.0001	66.34	65.91	1231
NCL1270	FEX5YR1DAY	11.34	11.61	0.0001	67.87	67.36	1217
NCL1290	FEX5YR1DAY	13.06	12.88	0.0001	38.02	36.97	2387
NCL1310	FEX5YR1DAY	14.77	14.64	0.0001	29.26	26.75	7140
NCL1330	FEX5YR1DAY	10.60	11.32	-0.0002	162.83	167.15	78112
NCL1350	FEX5YR1DAY	10.63	11.34	0.0001	169.91	161.47	56207
NCL1370	FEX5YR1DAY	10.63	11.34	-0.0001	29.43	29.01	1860
NCL1390	FEX5YR1DAY	10.63	11.35	0.0001	9.18	6.35	1792
NCL1410	FEX5YR1DAY	10.63	11.35	0.0001	4.95	4.70	1719
NCL1430	FEX5YR1DAY	10.70	11.41	0.0005	454.87	391.70	159335
NCL1450	FEX5YR1DAY	10.93	12.00	0.0012	416.78	416.40	3036
NCL1470	FEX5YR1DAY	12.72	13.37	0.0002	335.61	335.10	4426
NCL1490	FEX5YR1DAY	14.45	14.46	0.0000	4.16	4.13	776

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL1510	FEX5YR1DAY	11.06	12.07	0.0006	54.61	72.43	863
NCL1530	FEX5YR1DAY	12.54	12.69	-0.0003	63.38	62.89	8738
NCL1550	FEX5YR1DAY	13.13	13.16	-0.0001	42.55	41.58	1021
NCL1570	FEX5YR1DAY	13.31	13.26	0.0001	4.09	3.15	504
NCL1590	FEX5YR1DAY	13.70	13.69	0.0000	1.58	1.57	1307
NCL1610	FEX5YR1DAY	13.37	13.31	0.0001	2.47	1.80	469
NCL1630	FEX5YR1DAY	13.57	13.52	-0.0003	58.73	58.72	2663
NCL1650	FEX5YR1DAY	13.68	13.62	0.0002	58.29	58.31	1293
NCL1670	FEX5YR1DAY	14.02	13.97	0.0001	31.60	31.60	1395
NCL1690	FEX5YR1DAY	17.47	17.42	0.0001	41.11	41.11	1470
NCL1710	FEX5YR1DAY	17.89	17.85	0.0001	38.43	38.47	2503
NCL1730	FEX5YR1DAY	18.27	18.30	0.0002	52.17	52.39	6557
NCL1750	FEX5YR1DAY	18.24	18.27	-0.0002	15.48	14.98	513
NCL1770	FEX5YR1DAY	18.07	18.05	0.0001	23.80	23.79	2460
NCL1790	FEX5YR1DAY	15.78	15.25	0.0002	332.07	331.50	5863
NCL1810	FEX5YR1DAY	18.13	18.12	-0.0001	44.28	39.80	21218
NCL1830	FEX5YR1DAY	18.39	17.09	0.0002	309.12	308.55	6250
NCL1850	FEX5YR1DAY	18.50	17.29	-0.0003	69.67	79.05	910
NCL1870	FEX5YR1DAY	19.01	18.28	0.0002	69.49	69.67	1004
NCL1890	FEX5YR1DAY	19.15	18.53	0.0003	69.31	69.49	984
NCL1910	FEX5YR1DAY	19.15	18.53	0.0001	3.93	0.86	532
NCL1930	FEX5YR1DAY	19.91	19.88	0.0000	3.81	3.80	1607
NCL1950	FEX5YR1DAY	19.15	18.53	0.0000	0.48	0.13	501
NCL1970	FEX5YR1DAY	21.67	21.65	0.0000	2.10	2.09	3144
NCL1990	FEX5YR1DAY	19.58	19.35	-0.0002	69.68	69.04	918
NCL2010	FEX5YR1DAY	19.74	19.62	0.0001	44.59	43.10	1104
NCL2030	FEX5YR1DAY	19.76	19.62	0.0001	11.66	6.91	24304
NCL2050	FEX5YR1DAY	19.76	19.66	0.0001	41.28	39.37	1411
NCL2070	FEX5YR1DAY	19.76	19.63	-0.0001	2.83	2.68	1105
NCL2090	FEX5YR1DAY	19.87	19.88	0.0001	43.62	41.28	1414
NCL2110	FEX5YR1DAY	20.03	19.94	0.0004	23.44	23.05	1563
NCL2130	FEX5YR1DAY	19.87	19.90	0.0001	53.26	57.17	28100
NCL2150	FEX5YR1DAY	20.75	21.06	-0.0003	54.33	50.28	132748
NCL2170	FEX5YR1DAY	19.85	19.88	0.0001	83.28	83.19	18850
NCL2230	FEX5YR1DAY	19.13	18.17	0.0004	243.42	238.75	5806
NCL2250	FEX5YR1DAY	19.55	18.97	0.0002	240.61	234.15	4443
NCL2270	FEX5YR1DAY	20.05	20.21	0.0001	138.21	138.36	10954
NCL2290	FEX5YR1DAY	19.88	19.92	0.0001	9.58	9.43	1347
NCL2310	FEX5YR1DAY	20.45	20.66	0.0001	102.76	102.00	1780
NCL2330	FEX5YR1DAY	20.74	20.98	0.0001	120.76	113.77	78340
NCL2350	FEX5YR1DAY	20.78	21.01	0.0001	94.45	93.20	4162
NCL2370	FEX5YR1DAY	20.81	21.02	0.0001	91.01	89.66	2298
NCL2390	FEX5YR1DAY	20.84	21.06	0.0000	114.33	101.04	102566
NCL2410	FEX5YR1DAY	21.07	21.12	0.0000	30.35	29.41	1380
NCL2430	FEX5YR1DAY	21.32	21.20	0.0000	31.01	30.02	1472
NCL2450	FEX5YR1DAY	21.25	21.17	0.0001	4.69	4.46	493
NCL2470	FEX5YR1DAY	20.93	21.07	0.0000	19.28	18.62	846

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL2490	FEX5YR1DAY	21.54	21.24	0.0000	27.94	26.84	1524
NCL2510	FEX5YR1DAY	21.70	21.25	0.0001	83.27	82.42	74551
NCL2530	FEX5YR1DAY	21.70	21.25	0.0001	38.67	36.81	37953
NCL2540	FEX5YR1DAY	0.00	21.95	0.0000	55.88	55.25	38495
NCL2550	FEX5YR1DAY	21.70	21.25	0.0001	42.01	42.44	11598
NCL2570	FEX5YR1DAY	21.51	21.24	0.0001	14.75	13.43	1503
NCL2580	FEX5YR1DAY	0.00	21.23	-0.0001	86.10	85.01	27889
NCL2590	FEX5YR1DAY	21.17	21.23	0.0001	143.04	140.34	113353
NCL2610	FEX5YR1DAY	21.14	21.22	0.0001	98.26	98.03	25627
NCL2630	FEX5YR1DAY	20.86	20.82	0.0001	66.24	65.18	41705
NCL2631	FEX5YR1DAY	0.00	20.53	0.0001	73.20	60.17	37401
NCL2650	FEX5YR1DAY	21.17	21.38	0.0001	79.05	67.76	96733
NCL2670	FEX5YR1DAY	21.93	22.12	-0.0001	87.92	90.15	52784
NCL2690	FEX5YR1DAY	21.96	22.29	-0.0002	53.87	60.57	47549
NCL2710	FEX5YR1DAY	21.96	22.35	-0.0001	40.26	51.57	61679
NCL2730	FEX5YR1DAY	21.95	22.47	-0.0001	28.50	29.33	6332
NCL2750	FEX5YR1DAY	21.84	22.82	0.0000	71.38	70.75	19928
NCL2770	FEX5YR1DAY	21.71	22.32	0.0000	23.26	23.27	1389
NCL2780	FEX5YR1DAY	0.00	22.10	0.0000	12.55	12.25	21046
NCL2790	FEX5YR1DAY	21.84	22.17	0.0000	109.19	104.28	100726
NCL2810	FEX5YR1DAY	22.11	22.70	0.0000	67.22	66.67	18489
NCL2830	FEX5YR1DAY	23.09	22.73	-0.0001	14.76	14.69	1241
NCL2835	FEX5YR1DAY	0.00	23.73	0.0000	7.73	7.82	1081
NCL2840	FEX5YR1DAY	0.00	23.69	0.0000	67.13	66.88	22170
NCL2845	FEX5YR1DAY	0.00	24.23	-0.0001	36.56	36.37	14160
NCL2850	FEX5YR1DAY	20.82	21.03	0.0000	18.19	18.47	1361
NCL2870	FEX5YR1DAY	20.83	21.02	0.0000	17.42	17.56	1245
NCL2890	FEX5YR1DAY	20.83	21.02	-0.0001	15.23	17.42	18118
NCL2910	FEX5YR1DAY	20.83	21.02	0.0000	51.37	50.97	41711
NCL2930	FEX5YR1DAY	19.55	19.00	0.0003	179.80	181.28	2979
NCL2950	FEX5YR1DAY	19.53	19.09	0.0002	178.59	179.09	5719
NCL2970	FEX5YR1DAY	20.49	20.47	0.0002	45.52	44.48	9985
NCL2990	FEX5YR1DAY	19.33	19.14	0.0002	174.63	175.43	5886
NCL3010	FEX5YR1DAY	19.35	19.24	0.0002	169.65	170.22	96428
NCL3030	FEX5YR1DAY	19.58	19.32	0.0002	166.77	167.46	18932
NCL3050	FEX5YR1DAY	19.94	19.88	0.0002	62.45	58.61	25539
NCL3070	FEX5YR1DAY	20.14	20.10	0.0000	33.67	32.24	15009
NCL3090	FEX5YR1DAY	19.59	19.33	0.0002	160.48	161.01	57236
NCL3110	FEX5YR1DAY	19.59	19.35	0.0002	56.20	39.47	65992
NCL3130	FEX5YR1DAY	19.59	19.35	0.0002	21.52	18.55	20500
NCL3150	FEX5YR1DAY	19.54	19.32	0.0002	155.12	155.89	12480
NCL3170	FEX5YR1DAY	19.71	20.13	0.0002	53.27	53.00	21259
NCL3190	FEX5YR1DAY	20.31	20.33	0.0001	57.92	50.26	104664
NCL3210	FEX5YR1DAY	20.32	20.34	0.0001	39.01	32.62	48748
NCL3230	FEX5YR1DAY	20.32	20.35	0.0002	26.23	25.30	16638
NCL3250	FEX5YR1DAY	19.11	18.96	0.0002	147.87	148.27	107347
NCL3270	FEX5YR1DAY	19.11	19.07	0.0001	25.51	25.24	1736

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL3280	FEX5YR1DAY	0.00	19.14	0.0001	23.92	23.21	999
NCL3290	FEX5YR1DAY	20.16	19.65	0.0001	20.80	19.44	1660
NCL3300	FEX5YR1DAY	0.00	19.63	0.0001	3.74	3.55	1027
NCL3310	FEX5YR1DAY	20.19	19.63	0.0000	2.60	1.77	758
NCL3330	FEX5YR1DAY	20.75	19.59	0.0000	4.43	4.25	437
NCL3350	FEX5YR1DAY	20.51	20.51	0.0000	18.98	16.10	33524
NCL3360	FEX5YR1DAY	0.00	20.46	0.0000	5.47	3.27	14017
NCL3365	FEX5YR1DAY	0.00	20.14	0.0000	14.66	14.42	18168
NCL3370	FEX5YR1DAY	20.64	20.91	-0.0002	83.69	78.15	86073
NCL3390	FEX5YR1DAY	20.83	21.02	0.0000	78.78	78.33	39999
NCL3410	FEX5YR1DAY	20.83	21.02	0.0000	2.07	1.77	476
NCL3430	FEX5YR1DAY	20.83	21.02	0.0000	4.49	0.79	3996
NCL3450	FEX5YR1DAY	18.92	18.97	0.0006	273.83	217.15	187898
NCL3460	FEX5YR1DAY	18.92	18.97	-0.0008	126.89	130.73	2955
NCL3470	FEX5YR1DAY	19.11	18.97	0.0001	204.92	169.48	218666
NCL3490	FEX5YR1DAY	19.15	18.98	0.0001	91.19	87.49	38624
NCL3510	FEX5YR1DAY	20.64	19.67	0.0001	74.76	74.13	19108
NCL3520	FEX5YR1DAY	0.00	19.38	0.0000	172.84	172.81	20933
NCL3530	FEX5YR1DAY	20.66	20.54	0.0001	103.53	101.59	58344
NCL3550	FEX5YR1DAY	20.66	20.54	0.0001	5.27	2.15	736
NCL3570	FEX5YR1DAY	20.66	20.54	0.0001	2.93	0.98	623
NCL3590	FEX5YR1DAY	20.66	20.58	0.0000	2.42	0.86	4792
NCL3610	FEX5YR1DAY	20.66	20.53	0.0001	18.54	17.23	1245
NCL3630	FEX5YR1DAY	20.64	20.53	0.0001	162.56	158.53	108724
NCL3635	FEX5YR1DAY	0.00	20.53	0.0001	14.32	11.12	1726
NCL3640	FEX5YR1DAY	0.00	20.53	0.0001	19.66	18.77	28385
NCL3650	FEX5YR1DAY	18.92	18.96	0.0000	3.14	3.20	501
NCL3670	FEX5YR1DAY	18.92	18.96	0.0000	9.01	12.58	35290
NCL3690	FEX5YR1DAY	18.92	18.97	0.0003	217.15	216.71	3204
NCL3730	FEX5YR1DAY	18.92	18.97	0.0000	315.40	95.82	136531
NCL3740	FEX5YR1DAY	0.00	18.97	0.0000	67.60	57.75	36240
NCL3750	FEX5YR1DAY	18.93	18.96	0.0002	181.99	79.10	192469
NCL3770	FEX5YR1DAY	18.93	18.96	0.0002	65.87	26.79	88365
NCL4000	FEX5YR1DAY	0.00	29.73	0.0000	34.78	34.75	5855
NCL4010	FEX5YR1DAY	0.00	29.43	0.0000	28.09	27.89	13148
NCypEast	FEX5YR1DAY	32.00	29.00	0.0000	7.58	0.00	0
NCypWest	FEX5YR1DAY	32.00	29.93	0.0000	0.00	0.00	0
NOC0010	FEX5YR1DAY	2.00	2.00	0.0000	414.92	75.24	0
NOC0030	FEX5YR1DAY	1.14	2.25	-0.0343	415.00	414.92	504
NOC0050	FEX5YR1DAY	1.20	2.40	-0.0253	374.69	374.83	530
NOC0070	FEX5YR1DAY	1.45	2.98	0.0075	364.93	364.68	516
NOC0090	FEX5YR1DAY	2.91	3.20	0.0046	124.13	124.26	446
NOC0110	FEX5YR1DAY	1.65	3.03	0.0053	228.82	229.13	455
NOC0130	FEX5YR1DAY	3.06	3.57	0.0017	228.81	228.82	528
NOC0150	FEX5YR1DAY	3.08	3.58	0.0000	2.57	2.46	500
NOC0170	FEX5YR1DAY	4.56	4.78	0.0000	12.25	12.24	1311
NOC0190	FEX5YR1DAY	5.09	4.41	-0.0004	226.45	226.36	1077

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NOC0210	FEX5YR1DAY	5.68	5.38	-0.0001	24.23	23.76	781
NOC0230	FEX5YR1DAY	5.12	4.45	0.0000	7.22	7.20	742
NOC0250	FEX5YR1DAY	5.30	4.73	0.0000	7.41	7.22	984
NOC0270	FEX5YR1DAY	5.57	5.14	0.0000	4.40	3.95	675
NOC0290	FEX5YR1DAY	5.11	4.51	-0.0003	252.11	252.21	1836
NOC0310	FEX5YR1DAY	5.27	4.69	-0.0001	48.92	48.85	450
NOC0330	FEX5YR1DAY	5.85	4.83	0.0001	209.38	209.69	10113
NOC0350	FEX5YR1DAY	5.89	4.97	-0.0001	145.04	145.24	1837
NOC0370	FEX5YR1DAY	6.47	6.22	-0.0001	92.41	93.34	7558
NOC0390	FEX5YR1DAY	6.60	6.29	-0.0001	54.12	52.09	8113
NOC0410	FEX5YR1DAY	6.95	6.62	0.0000	47.73	42.55	14208
NOC0430	FEX5YR1DAY	7.01	6.77	0.0000	30.75	28.44	9079
NOC0450	FEX5YR1DAY	7.62	7.03	0.0000	20.57	20.50	2411
NOC0470	FEX5YR1DAY	8.12	7.60	0.0001	12.54	13.06	6830
NOC0490	FEX5YR1DAY	7.67	7.03	0.0000	5.18	4.91	1052
NRU0010	FEX5YR1DAY	2.00	2.00	0.0000	548.78	0.00	0
NRU0030	FEX5YR1DAY	2.84	2.98	-0.0002	281.81	281.80	2468
NRU0050	FEX5YR1DAY	4.36	4.60	0.0001	281.81	281.81	2036
NRU0070	FEX5YR1DAY	5.61	5.57	-0.0006	283.75	281.81	11919
NRU0090	FEX5YR1DAY	5.66	5.63	0.0002	62.08	56.57	11656
NRU0110	FEX5YR1DAY	6.23	6.05	-0.0001	221.36	219.49	8999
NRU0130	FEX5YR1DAY	7.66	6.97	0.0002	200.59	200.08	2616
NRU0150	FEX5YR1DAY	7.71	7.00	-0.0006	191.20	191.71	1436
NRU0160	FEX5YR1DAY	0.00	13.33	0.0001	156.13	156.12	4959
NRU0165	FEX5YR1DAY	0.00	13.45	0.0000	3.77	3.35	474
NRU0170	FEX5YR1DAY	14.45	15.12	0.0002	163.72	153.71	18644
NRU0172	FEX5YR1DAY	0.00	15.17	0.0000	6.61	6.66	829
NRU0174	FEX5YR1DAY	0.00	15.29	0.0000	6.56	6.61	1137
NRU0176	FEX5YR1DAY	0.00	15.66	0.0000	6.52	6.56	761
NRU0178	FEX5YR1DAY	0.00	16.05	0.0000	7.75	6.52	957
NRU0180	FEX5YR1DAY	0.00	16.19	0.0001	33.03	20.53	79073
NRU0190	FEX5YR1DAY	14.45	15.27	-0.0002	15.50	14.60	632
NRU0210	FEX5YR1DAY	14.45	15.35	0.0002	13.37	12.30	654
NRU0230	FEX5YR1DAY	13.39	15.09	-0.0001	18.29	16.88	19757
NRU0250	FEX5YR1DAY	14.62	15.13	0.0001	133.19	130.25	10229
NRU0270	FEX5YR1DAY	15.05	15.73	0.0001	116.28	116.38	2594
NRU0290	FEX5YR1DAY	16.30	18.19	-0.0003	33.91	26.84	42403
NRU0310	FEX5YR1DAY	16.13	16.45	0.0001	96.19	96.48	2501
NRU0330	FEX5YR1DAY	18.25	17.69	0.0001	29.02	29.27	1352
NRU0335	FEX5YR1DAY	0.00	19.14	0.0001	6.66	4.63	9213
NRU0340	FEX5YR1DAY	0.00	18.54	0.0001	45.73	45.40	24141
NRU0343	FEX5YR1DAY	0.00	19.27	0.0001	10.38	8.73	903
NRU0345	FEX5YR1DAY	0.00	19.52	-0.0001	34.34	30.53	65548
NRU0350	FEX5YR1DAY	19.50	18.96	0.0001	16.84	17.11	5524
NRU0370	FEX5YR1DAY	19.51	19.15	0.0001	15.01	16.06	13402
NRU0380	FEX5YR1DAY	23.33	19.19	0.0001	8.03	8.31	470
NRU0390	FEX5YR1DAY	27.00	19.20	0.0000	16.32	8.03	29105

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0410	FEX5YR1DAY	19.56	19.30	0.0001	9.62	9.92	1100
NRU0425	FEX5YR1DAY	15.53	15.81	0.0001	5.74	5.19	4975
NRU0430	FEX5YR1DAY	19.61	19.42	0.0001	9.41	9.62	1077
NRU0450	FEX5YR1DAY	19.66	19.56	0.0001	9.25	9.41	1038
NRU0470	FEX5YR1DAY	19.72	20.17	0.0001	9.69	9.25	799
NRU0490	FEX5YR1DAY	20.36	20.62	0.0001	9.22	7.44	30954
NRU0495	FEX5YR1DAY	0.00	21.05	-0.0001	7.52	5.49	12053
NRU0500	FEX5YR1DAY	0.00	21.24	0.0000	2.10	2.08	6625
NRU0510	FEX5YR1DAY	19.67	20.16	0.0001	18.39	12.63	63769
NRU0530	FEX5YR1DAY	16.95	17.28	0.0001	65.68	65.96	2252
NRU0550	FEX5YR1DAY	17.92	18.17	0.0001	77.99	65.68	65340
NRU0570	FEX5YR1DAY	18.16	18.35	0.0001	62.74	62.85	1523
NRU0590	FEX5YR1DAY	18.51	18.57	0.0001	61.82	61.93	1745
NRU0610	FEX5YR1DAY	18.78	18.75	0.0001	61.35	61.46	3331
NRU0612	FEX5YR1DAY	0.00	18.75	-0.0001	57.68	57.79	1566
NRU0615	FEX5YR1DAY	0.00	19.49	0.0001	11.49	8.01	1917
NRU0616	FEX5YR1DAY	0.00	20.16	0.0000	5.93	5.03	7745
NRU0618	FEX5YR1DAY	0.00	20.49	0.0000	8.97	6.84	16529
NRU0620	FEX5YR1DAY	0.00	19.84	0.0001	14.00	13.46	18820
NRU0630	FEX5YR1DAY	18.79	18.82	0.0001	56.29	56.37	2525
NRU0650	FEX5YR1DAY	18.79	18.86	0.0001	55.68	55.76	14699
NRU0670	FEX5YR1DAY	18.78	18.89	0.0001	54.59	54.68	1429
NRU0690	FEX5YR1DAY	18.84	18.94	0.0001	54.51	54.59	20178
NRU0710	FEX5YR1DAY	18.86	18.94	0.0001	83.58	75.99	37758
NRU0730	FEX5YR1DAY	18.85	18.95	0.0001	23.15	21.34	31906
NRU0740	FEX5YR1DAY	0.00	18.95	0.0001	82.34	75.38	32380
NRU0745	FEX5YR1DAY	0.00	18.96	0.0001	80.47	57.87	44732
NRU0750	FEX5YR1DAY	18.87	18.96	0.0001	117.22	46.24	228269
NRU0770	FEX5YR1DAY	18.88	18.96	0.0001	27.62	27.90	1008
NRU0785	FEX5YR1DAY	0.00	18.96	0.0001	93.64	83.08	56638
NRU0790	FEX5YR1DAY	18.88	18.96	0.0001	134.21	110.84	125318
NRU0810	FEX5YR1DAY	18.88	18.96	0.0001	18.83	16.60	10744
NRU0820	FEX5YR1DAY	0.00	18.95	0.0001	5.85	2.91	442
NRU0830	FEX5YR1DAY	18.99	18.97	0.0001	47.60	42.64	32776
NRU0850	FEX5YR1DAY	19.11	18.97	0.0001	61.27	61.16	1187
NRU0870	FEX5YR1DAY	19.32	18.97	-0.0007	15.58	17.18	560
NRU0890	FEX5YR1DAY	19.35	18.97	0.0000	52.55	15.58	64568
NRU0910	FEX5YR1DAY	19.35	18.98	0.0000	1.38	1.05	573
NRU0930	FEX5YR1DAY	19.35	19.50	0.0000	1.51	1.38	1742
NRU0950	FEX5YR1DAY	19.11	18.97	0.0001	69.32	62.09	35202
NRU0955	FEX5YR1DAY	0.00	18.97	0.0001	83.40	71.18	50957
NRU0960	FEX5YR1DAY	0.00	18.98	0.0001	108.80	105.66	37141
NRU0965	FEX5YR1DAY	0.00	18.98	0.0001	124.06	119.73	62752
NRU0970	FEX5YR1DAY	19.34	18.97	0.0001	21.77	10.35	70736
NRU0980	FEX5YR1DAY	0.00	18.97	-0.0009	12.50	7.58	1097
NRU0990	FEX5YR1DAY	19.39	18.98	0.0005	33.78	35.98	440
NRU1010	FEX5YR1DAY	19.70	18.98	-0.0002	34.26	33.78	18631

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1015	FEX5YR1DAY	0.00	19.41	-0.0001	15.10	11.62	13783
NRU1020	FEX5YR1DAY	0.00	20.39	-0.0060	15.48	81.66	866
NRU1025	FEX5YR1DAY	0.00	20.01	0.0000	10.18	9.83	724
NRU1030	FEX5YR1DAY	19.70	18.98	0.0001	53.44	37.15	105027
NRU1035	FEX5YR1DAY	0.00	19.13	0.0000	4.10	3.74	436
NRU1037	FEX5YR1DAY	0.00	18.98	0.0000	1.37	0.88	640
NRU1040	FEX5YR1DAY	0.00	18.98	0.0001	42.65	29.87	50371
NRU1045	FEX5YR1DAY	0.00	20.46	-0.0001	12.67	11.59	7165
NRU1046	FEX5YR1DAY	0.00	20.43	0.0060	11.59	10.50	931
NRU1050	FEX5YR1DAY	19.70	18.98	-0.0001	48.01	39.11	69055
NRU1070	FEX5YR1DAY	19.83	19.07	0.0000	19.68	17.79	10231
NRU1090	FEX5YR1DAY	18.86	18.96	0.0001	14.26	13.68	919
NRU1110	FEX5YR1DAY	18.86	18.96	0.0001	46.96	36.44	70888
NRU1130	FEX5YR1DAY	18.86	18.96	-0.0001	10.44	9.03	769
NRU1150	FEX5YR1DAY	18.86	18.96	0.0001	32.24	31.28	64056
NRU1170	FEX5YR1DAY	18.86	18.96	-0.0001	24.22	21.39	26552
NRU1182	FEX5YR1DAY	0.00	18.97	0.0001	9.47	8.87	6243
NRU1184	FEX5YR1DAY	0.00	18.97	0.0001	10.49	10.43	873
NRU1185	FEX5YR1DAY	0.00	19.03	0.0001	9.69	5.15	25498
NRU1186	FEX5YR1DAY	0.00	18.97	0.0001	5.44	4.58	791
NRU1188	FEX5YR1DAY	0.00	18.97	0.0000	11.60	4.34	44886
NRU1190	FEX5YR1DAY	18.86	18.98	0.0001	5.77	3.35	576
NRU1210	FEX5YR1DAY	18.86	19.04	0.0001	9.95	7.22	907
NRU1220	FEX5YR1DAY	0.00	20.16	0.0001	12.32	8.58	20371
NRU1225	FEX5YR1DAY	0.00	20.79	0.0000	3.23	3.12	436
NRU1230	FEX5YR1DAY	18.88	18.96	0.0001	12.17	11.86	877
NRU1232	FEX5YR1DAY	0.00	18.96	0.0001	8.89	8.61	863
NRU1234	FEX5YR1DAY	0.00	18.95	0.0001	12.21	12.37	12444
NRU1240	FEX5YR1DAY	0.00	18.95	0.0001	14.85	15.65	9681
NRU1250	FEX5YR1DAY	4.07	4.39	0.0002	268.26	268.24	2104
NRU1270	FEX5YR1DAY	4.78	5.02	-0.0001	265.29	265.28	1667
NRU1290	FEX5YR1DAY	5.41	5.62	-0.0001	255.81	255.90	3103
NRU1310	FEX5YR1DAY	6.42	6.60	0.0000	256.68	255.81	5053
NRU1330	FEX5YR1DAY	8.29	8.35	0.0000	290.76	290.78	3357
NRU1350	FEX5YR1DAY	9.32	9.37	0.0000	287.58	287.58	2409
NRU1370	FEX5YR1DAY	11.03	11.12	0.0001	283.72	283.73	5323
NRU1390	FEX5YR1DAY	11.84	12.17	-0.0001	49.57	46.12	9594
NRU1410	FEX5YR1DAY	12.56	12.53	0.0001	234.68	234.99	7502
NRU1430	FEX5YR1DAY	15.53	15.81	-0.0001	49.09	32.29	45472
NRU1450	FEX5YR1DAY	15.94	16.01	-0.0001	31.69	31.17	4319
NRU1470	FEX5YR1DAY	15.97	16.06	-0.0001	6.51	6.52	981
NRU1490	FEX5YR1DAY	16.09	16.26	-0.0001	7.43	6.51	5848
NRU1510	FEX5YR1DAY	15.12	14.88	0.0001	174.84	176.13	10570
NRU1530	FEX5YR1DAY	15.71	15.49	-0.0001	73.47	73.82	3588
NRU1550	FEX5YR1DAY	15.40	15.37	0.0000	65.58	65.57	1677
NRU1570	FEX5YR1DAY	16.20	16.39	0.0000	50.30	49.74	1398
NRU1590	FEX5YR1DAY	16.40	16.55	0.0000	6.27	5.79	1284

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1610	FEX5YR1DAY	16.56	16.88	0.0001	42.79	41.10	1573
NRU1630	FEX5YR1DAY	16.69	17.07	0.0001	31.67	31.85	1538
NRU1650	FEX5YR1DAY	16.84	17.24	0.0001	31.49	31.67	11708
NRU1670	FEX5YR1DAY	16.89	17.30	0.0001	62.44	31.45	117880
NRU1690	FEX5YR1DAY	16.89	17.29	0.0001	38.06	37.66	2552
NRU1710	FEX5YR1DAY	16.60	16.87	0.0001	32.33	32.15	1314
NRU1730	FEX5YR1DAY	16.58	16.71	0.0000	76.83	22.69	121139
NRU1750	FEX5YR1DAY	16.58	16.71	-0.0002	17.96	17.59	720
NRU1770	FEX5YR1DAY	16.58	16.71	0.0000	25.33	25.19	1725
NRU1790	FEX5YR1DAY	17.21	17.04	0.0000	6.96	6.61	1120
NRU1810	FEX5YR1DAY	16.58	16.71	0.0000	6.90	5.48	17274
NRU1830	FEX5YR1DAY	17.12	17.05	0.0000	16.95	16.43	1513
NRU1850	FEX5YR1DAY	17.07	17.49	0.0001	24.38	24.18	1047
NRU1870	FEX5YR1DAY	17.20	17.62	0.0001	24.60	24.38	908
NRU1890	FEX5YR1DAY	17.38	17.80	0.0001	38.96	24.60	24620
NRU1910	FEX5YR1DAY	17.71	17.85	0.0001	16.02	14.90	4338
NRU1930	FEX5YR1DAY	15.71	15.49	-0.0001	50.85	56.66	19485
NRU1950	FEX5YR1DAY	16.43	16.07	0.0000	49.01	49.23	1646
NRU1970	FEX5YR1DAY	16.86	16.42	0.0000	48.81	49.01	1037
NRU1990	FEX5YR1DAY	17.09	16.61	0.0000	48.76	48.81	1719
NRU2010	FEX5YR1DAY	18.02	17.63	0.0000	12.27	11.96	1368
NRU2030	FEX5YR1DAY	18.39	18.07	0.0001	9.89	9.00	9106
NRU2050	FEX5YR1DAY	18.40	18.09	0.0001	3.43	3.02	453
NRU2070	FEX5YR1DAY	18.41	18.12	0.0000	3.44	3.43	6565
NRU2090	FEX5YR1DAY	17.16	16.67	-0.0001	34.24	34.24	983
NRU2110	FEX5YR1DAY	17.28	16.78	0.0000	33.34	33.17	1563
NRU2130	FEX5YR1DAY	17.49	16.99	0.0000	34.19	34.13	1851
NRU2150	FEX5YR1DAY	17.69	17.20	0.0000	5.51	5.06	2666
NRU2170	FEX5YR1DAY	17.07	16.86	0.0000	2.98	3.16	772
NRU2190	FEX5YR1DAY	17.08	16.88	0.0000	7.42	2.98	26572
NRU2210	FEX5YR1DAY	17.33	16.97	0.0001	5.04	2.16	538
NRU2230	FEX5YR1DAY	17.33	16.52	0.0000	13.57	0.06	78409
NRU2250	FEX5YR1DAY	17.31	16.52	0.0001	2.17	1.74	11393
NRU2270	FEX5YR1DAY	17.61	17.09	0.0000	28.68	28.63	1283
NRU2290	FEX5YR1DAY	17.67	17.14	0.0000	20.37	20.41	1150
NRU2310	FEX5YR1DAY	17.68	17.15	0.0001	13.85	14.22	1734
NRU2330	FEX5YR1DAY	17.68	17.15	0.0001	33.03	7.46	757
NRU2350	FEX5YR1DAY	17.68	17.15	-0.0001	3.83	30.39	654
NRU2370	FEX5YR1DAY	17.37	16.81	0.0000	3.57	3.83	528
NRU2390	FEX5YR1DAY	17.36	16.75	0.0000	5.84	3.57	32234
NRU2410	FEX5YR1DAY	17.72	17.18	0.0001	7.98	6.94	1098
NRU2430	FEX5YR1DAY	17.83	17.20	0.0001	5.79	5.96	925
NRU2450	FEX5YR1DAY	18.06	17.21	0.0001	2.90	1.17	588
NRU2470	FEX5YR1DAY	15.72	15.49	-0.0001	7.77	4.59	1457
NRU2490	FEX5YR1DAY	15.75	15.49	0.0000	5.84	5.49	1418
NRU2510	FEX5YR1DAY	15.75	15.49	0.0001	5.49	3.59	946
NRU2530	FEX5YR1DAY	15.76	15.49	0.0001	3.59	0.27	582

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU2550	FEX5YR1DAY	16.53	15.70	0.0001	55.26	53.90	2428
NRU2570	FEX5YR1DAY	17.71	17.10	0.0001	47.23	46.34	2070
NRU2590	FEX5YR1DAY	18.30	17.98	0.0001	35.23	36.10	2009
NRU2610	FEX5YR1DAY	18.62	18.55	0.0001	37.27	34.82	10055
NRU2630	FEX5YR1DAY	19.41	19.20	-0.0002	28.04	29.58	37020
NRU2650	FEX5YR1DAY	19.54	19.63	-0.0002	20.01	18.65	27945
NRU2670	FEX5YR1DAY	16.64	16.72	0.0000	23.28	22.88	2724
NRU2690	FEX5YR1DAY	17.09	17.19	0.0000	137.04	83.67	228542
NSH02	FEX5YR1DAY	0.00	20.72	-0.0001	10.29	10.01	2586
NSH03	FEX5YR1DAY	0.00	20.10	0.0002	0.26	0.28	548
NSH04	FEX5YR1DAY	0.00	16.99	0.0002	73.82	73.80	4614
NSH05	FEX5YR1DAY	0.00	19.55	-0.0030	4.99	3.98	7846
NSH07	FEX5YR1DAY	0.00	8.23	-0.0001	27.73	27.01	9216
NSH08	FEX5YR1DAY	0.00	7.54	0.0000	16.55	16.35	2088
NSH09	FEX5YR1DAY	0.00	10.50	0.0001	46.72	43.25	10451
NSH10	FEX5YR1DAY	0.00	19.02	0.0000	13.93	13.70	23377
NSH11	FEX5YR1DAY	0.00	21.06	0.0000	5.83	5.73	6377
NSH12	FEX5YR1DAY	0.00	19.11	0.0000	5.84	5.74	7551
NSH13	FEX5YR1DAY	0.00	17.94	0.0000	19.09	18.65	18541
NSH14	FEX5YR1DAY	0.00	17.80	0.0000	7.45	7.26	10601
NSH15	FEX5YR1DAY	0.00	18.68	0.0000	4.15	4.11	5639
NSH17	FEX5YR1DAY	0.00	17.20	0.0000	19.48	19.42	8649
NSH18	FEX5YR1DAY	0.00	15.77	0.0000	18.16	18.07	9657
NSH19	FEX5YR1DAY	0.00	11.59	0.0000	15.41	15.25	11863
NSH20	FEX5YR1DAY	0.00	20.18	0.0000	2.56	2.38	11087
NSH21	FEX5YR1DAY	0.00	10.91	-0.0001	9.86	7.58	5906
NSH22	FEX5YR1DAY	0.00	14.24	0.0000	28.41	27.44	8311
NSH23	FEX5YR1DAY	0.00	18.18	0.0000	8.69	8.62	3021
NSH24	FEX5YR1DAY	0.00	14.24	0.0000	20.09	19.26	7407
NSH25	FEX5YR1DAY	0.00	13.98	0.0000	12.96	11.27	10040
NSH26	FEX5YR1DAY	0.00	13.87	0.0001	68.36	61.52	55569
NSH27	FEX5YR1DAY	0.00	12.91	0.0000	14.90	8.87	35208
NSH27A	FEX5YR1DAY	0.00	12.82	0.0000	18.66	17.53	921
NSH27AA	FEX5YR1DAY	0.00	12.86	0.0000	4.51	4.55	553
NSH27B	FEX5YR1DAY	0.00	11.49	0.0001	17.53	18.79	1033
NSH27C	FEX5YR1DAY	0.00	9.20	-0.0002	18.79	17.41	1037
NSH28	FEX5YR1DAY	0.00	9.47	0.0000	11.48	7.30	8600
NSH29	FEX5YR1DAY	0.00	7.43	-0.0001	8.46	11.85	648
NSH31	FEX5YR1DAY	0.00	9.45	0.0001	6.68	4.41	480
NSH33	FEX5YR1DAY	0.00	16.64	0.0000	4.20	3.95	9233
NSH34	FEX5YR1DAY	0.00	9.25	0.0000	38.15	38.12	3866
NSH35	FEX5YR1DAY	0.00	7.92	0.0001	29.70	29.68	3228
NSH36	FEX5YR1DAY	0.00	7.89	0.0003	22.00	21.65	805
NSH37	FEX5YR1DAY	0.00	18.02	0.0000	11.80	11.74	6743
NSH41	FEX5YR1DAY	0.00	18.96	0.0000	3.64	3.63	449
NSH42	FEX5YR1DAY	0.00	3.75	-0.0001	51.01	50.99	447
NSH43	FEX5YR1DAY	0.00	4.05	-0.0002	30.52	31.01	507

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSH44	FEX5YR1DAY	0.00	9.59	0.0002	38.22	38.22	670
NSH45	FEX5YR1DAY	0.00	16.37	0.0000	34.64	33.70	21492
NSH48	FEX5YR1DAY	0.00	18.20	0.0000	11.06	11.03	2961
NSH49	FEX5YR1DAY	0.00	20.73	0.0000	12.66	11.73	14783
NSH50	FEX5YR1DAY	0.00	19.02	0.0001	28.74	28.54	3029
NSH51	FEX5YR1DAY	0.00	17.88	0.0001	23.38	21.40	952
NSH52	FEX5YR1DAY	0.00	17.41	0.0001	64.15	64.06	1772
NSH53	FEX5YR1DAY	0.00	17.54	-0.0001	21.40	19.73	1023
NSH54	FEX5YR1DAY	0.00	17.13	0.0001	66.20	66.18	1343
NSH55	FEX5YR1DAY	0.00	17.52	0.0001	27.70	27.84	1595
NSH56	FEX5YR1DAY	0.00	18.22	0.0001	27.20	27.31	891
NSH57	FEX5YR1DAY	0.00	18.95	-0.0001	26.72	27.20	4582
NSH60	FEX5YR1DAY	0.00	19.34	-0.0001	10.99	13.45	436
NSH61	FEX5YR1DAY	0.00	19.13	-0.0002	8.14	11.79	444
NSH65	FEX5YR1DAY	0.00	20.06	0.0000	2.23	2.17	436
NSH75	FEX5YR1DAY	0.00	4.77	0.0000	35.21	29.62	6291
NSH80	FEX5YR1DAY	0.00	20.23	0.0000	3.01	2.44	10535
NSH81	FEX5YR1DAY	0.00	20.33	0.0000	0.26	0.00	1880
NSH82	FEX5YR1DAY	0.00	20.78	0.0000	1.46	0.06	5181
NSH83	FEX5YR1DAY	0.00	20.60	0.0000	13.87	13.13	13808
NSR0000	FEX5YR1DAY	2.00	2.00	0.0000	264.78	0.00	0
NSR0005	FEX5YR1DAY	2.00	2.00	0.0000	4.99	0.00	0
NSR0010	FEX5YR1DAY	2.00	2.00	0.0000	344.62	0.00	0
NSR0030	FEX5YR1DAY	2.92	3.06	0.0000	361.04	344.62	216521
NSR0032	FEX5YR1DAY	4.88	5.04	0.0000	9.09	4.42	18964
NSR0034	FEX5YR1DAY	3.63	3.72	0.0000	48.14	44.78	24216
NSR0050	FEX5YR1DAY	3.44	3.55	0.0000	331.52	321.07	86177
NSR0070	FEX5YR1DAY	3.45	3.56	0.0001	25.25	22.16	26499
NSR0090	FEX5YR1DAY	3.68	3.74	-0.0001	26.85	24.66	10104
NSR0100	FEX5YR1DAY	2.25	2.38	0.0000	5.01	4.99	524
NSR0102	FEX5YR1DAY	4.24	4.32	0.0000	3.01	2.68	2355
NSR0105	FEX5YR1DAY	1.91	2.71	-0.0105	264.83	264.78	484
NSR0110	FEX5YR1DAY	3.93	4.03	0.0000	12.90	12.42	2239
NSR0112	FEX5YR1DAY	2.31	3.03	-0.0231	263.58	263.59	457
NSR0115	FEX5YR1DAY	4.25	4.32	0.0000	1.91	1.58	7794
NSR0120	FEX5YR1DAY	2.62	3.28	-0.0193	261.01	261.06	479
NSR0130	FEX5YR1DAY	4.16	4.30	0.0000	8.08	6.57	5248
NSR0135	FEX5YR1DAY	4.22	4.38	0.0000	3.03	2.71	438
NSR0140	FEX5YR1DAY	3.28	3.81	-0.0073	258.24	258.25	477
NSR0150	FEX5YR1DAY	3.64	3.77	0.0003	310.22	308.95	28856
NSR0160	FEX5YR1DAY	3.56	4.03	-0.0026	256.09	256.16	1813
NSR0165	FEX5YR1DAY	4.03	4.00	0.0000	2.62	2.17	440
NSR0170	FEX5YR1DAY	3.70	3.80	0.0000	4.60	3.24	1761
NSR0180	FEX5YR1DAY	3.83	3.95	0.0000	5.52	4.61	2823
NSR0190	FEX5YR1DAY	4.04	3.82	-0.0001	17.74	17.08	2181
NSR0210	FEX5YR1DAY	4.26	3.85	-0.0001	16.11	15.17	2854
NSR0230	FEX5YR1DAY	4.26	3.86	0.0000	16.76	12.69	8426

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0250	FEX5YR1DAY	3.93	4.02	-0.0056	296.27	295.48	12764
NSR0270	FEX5YR1DAY	3.98	4.10	0.0000	57.80	57.40	14241
NSR0280	FEX5YR1DAY	5.41	5.72	0.0006	216.87	215.67	21122
NSR0281	FEX5YR1DAY	5.97	6.31	0.0004	212.51	211.75	11195
NSR0290	FEX5YR1DAY	6.70	6.70	-0.0011	75.49	73.43	18415
NSR0310	FEX5YR1DAY	9.28	9.26	0.0001	64.10	62.49	63500
NSR0330	FEX5YR1DAY	9.65	9.63	0.0001	6.86	6.86	470
NSR0350	FEX5YR1DAY	10.32	10.30	0.0001	7.85	6.86	446
NSR0370	FEX5YR1DAY	10.35	10.35	0.0000	8.50	7.85	6557
NSR0390	FEX5YR1DAY	11.96	12.10	0.0001	29.09	27.48	41327
NSR0410	FEX5YR1DAY	12.27	12.36	0.0001	7.76	8.27	510
NSR0430	FEX5YR1DAY	12.28	12.38	0.0000	7.03	7.76	17648
NSR0450	FEX5YR1DAY	13.04	13.87	-0.0001	23.17	21.19	20991
NSR0470	FEX5YR1DAY	13.10	14.07	0.0001	15.52	15.46	1160
NSR0490	FEX5YR1DAY	4.41	4.51	-0.0074	128.38	128.22	16468
NSR0510	FEX5YR1DAY	4.48	4.66	-0.0015	61.48	61.70	12130
NSR0530	FEX5YR1DAY	4.55	4.69	-0.0004	8.22	7.81	4257
NSR0540	FEX5YR1DAY	4.55	4.83	-0.0004	58.64	55.67	63541
NSR0550	FEX5YR1DAY	4.56	4.85	0.0011	306.18	305.80	10219
NSR0560	FEX5YR1DAY	4.66	4.89	0.0002	93.78	99.00	51258
NSR0570	FEX5YR1DAY	5.28	5.36	0.0002	85.12	86.40	38263
NSR0580	FEX5YR1DAY	6.13	6.09	-0.0001	16.06	10.89	57957
NSR0590	FEX5YR1DAY	6.15	6.21	-0.0001	83.73	81.87	33414
NSR0610	FEX5YR1DAY	6.26	6.28	0.0001	35.42	32.19	48041
NSR0630	FEX5YR1DAY	6.26	6.28	-0.0001	16.53	16.60	475
NSR0650	FEX5YR1DAY	6.25	6.27	0.0001	35.86	18.71	147745
NSR0660	FEX5YR1DAY	6.13	5.99	-0.0001	16.97	7.21	51311
NSR0670	FEX5YR1DAY	6.24	6.26	-0.0001	6.94	7.67	520
NSR0680	FEX5YR1DAY	6.14	6.08	-0.0001	14.20	6.44	77270
NSR0690	FEX5YR1DAY	6.24	6.25	-0.0001	6.52	6.94	599
NSR0710	FEX5YR1DAY	6.23	6.24	0.0000	6.44	6.52	861
NSR0730	FEX5YR1DAY	6.29	6.32	0.0000	120.34	97.86	138673
NSR0770	FEX5YR1DAY	6.81	6.98	0.0001	94.82	93.73	8881
NSR0780	FEX5YR1DAY	6.74	6.75	-0.0001	8.55	8.16	14025
NSR0790	FEX5YR1DAY	8.35	9.06	-0.0003	308.63	296.45	26606
NSR0791	FEX5YR1DAY	7.13	7.65	-0.0002	204.79	204.76	5596
NSR0809	FEX5YR1DAY	12.76	10.12	0.0004	71.20	93.64	2126
NSR0810	FEX5YR1DAY	13.45	13.43	-0.0002	141.02	140.22	60184
NSR0830	FEX5YR1DAY	15.10	15.18	-0.0001	146.87	140.35	123428
NSR0840	FEX5YR1DAY	16.09	16.07	0.0001	21.04	21.21	32800
NSR0850	FEX5YR1DAY	15.64	15.72	-0.0003	104.96	100.06	78393
NSR0860	FEX5YR1DAY	16.41	16.42	0.0000	6.94	6.84	11812
NSR0869	FEX5YR1DAY	16.03	16.12	0.0001	30.30	30.08	1505
NSR0870	FEX5YR1DAY	16.24	16.37	0.0001	73.35	73.89	31345
NSR0880	FEX5YR1DAY	16.24	16.38	0.0000	27.08	26.11	10853
NSR0881	FEX5YR1DAY	14.14	15.67	0.0004	249.00	236.59	13396
NSR0890	FEX5YR1DAY	4.02	4.10	0.1101	260.66	313.94	38191

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0910	FEX5YR1DAY	4.79	4.81	-0.0031	171.97	172.44	16808
NSR0930	FEX5YR1DAY	5.54	5.48	0.0000	68.30	25.41	194280
NSR0950	FEX5YR1DAY	5.63	5.61	0.0004	199.77	198.92	23266
NSR0970	FEX5YR1DAY	6.14	6.12	-0.0002	136.50	136.69	3616
NSR0990	FEX5YR1DAY	6.27	6.24	-0.0001	166.95	167.01	4130
NSR1010	FEX5YR1DAY	6.30	6.28	0.0000	30.19	29.92	9408
NSR1030	FEX5YR1DAY	8.54	8.49	0.0001	137.16	137.10	9310
NSR1050	FEX5YR1DAY	8.56	8.51	0.0000	31.33	30.71	20981
NSR1070	FEX5YR1DAY	9.58	9.56	-0.0004	166.68	166.14	22568
NSR1090	FEX5YR1DAY	11.30	11.35	-0.0004	136.31	136.33	7971
NSR1110	FEX5YR1DAY	11.57	11.57	0.0000	2.07	2.06	2903
NSR1130	FEX5YR1DAY	11.29	11.31	0.0000	17.39	16.14	14177
NSR1150	FEX5YR1DAY	11.39	11.40	0.0000	5.16	4.73	6865
NSR1170	FEX5YR1DAY	11.38	11.39	0.0000	4.73	3.82	451
NSR1190	FEX5YR1DAY	12.70	12.96	0.0000	135.52	135.49	13034
NSR1210	FEX5YR1DAY	12.70	12.97	-0.0001	17.72	10.08	64821
NSR1230	FEX5YR1DAY	14.76	14.97	0.0000	134.29	134.22	9552
NSR1270	FEX5YR1DAY	14.99	15.19	0.0000	134.37	134.29	6261
NSR1290	FEX5YR1DAY	14.99	15.19	0.0000	7.98	2.58	18600
NSR1310	FEX5YR1DAY	14.99	15.19	0.0000	22.05	15.67	55088
NSR1330	FEX5YR1DAY	15.44	15.71	0.0000	135.08	132.85	22440
NSR1350	FEX5YR1DAY	15.45	15.72	0.0000	24.94	22.69	57060
NSR1370	FEX5YR1DAY	15.56	15.82	0.0000	128.47	121.20	21929
NSR1390	FEX5YR1DAY	15.56	15.83	0.0000	2.91	2.91	3920
NSR1410	FEX5YR1DAY	15.56	15.83	-0.0001	25.62	24.01	7801
NSR1430	FEX5YR1DAY	15.76	15.96	0.0000	38.65	36.00	22932
NSR1450	FEX5YR1DAY	15.74	15.95	0.0000	47.36	35.87	80159
NSR1470	FEX5YR1DAY	15.96	16.03	0.0000	37.29	35.36	28540
NSR1490	FEX5YR1DAY	16.21	16.21	0.0000	45.69	31.98	118678
NSR1510	FEX5YR1DAY	16.21	16.22	0.0000	25.01	22.67	27161
NSR1530	FEX5YR1DAY	15.56	15.82	0.0000	4.35	2.82	6292
NSR1550	FEX5YR1DAY	15.68	15.93	0.0000	131.06	115.57	33565
NSR1570	FEX5YR1DAY	15.68	15.93	0.0000	3.05	1.49	3098
NSR1590	FEX5YR1DAY	15.68	15.93	-0.0001	43.56	40.74	20238
NSR1610	FEX5YR1DAY	15.75	16.00	-0.0001	16.17	14.90	11256
NSR1630	FEX5YR1DAY	15.75	16.00	0.0000	97.69	82.82	19421
NSR1650	FEX5YR1DAY	16.39	17.07	0.0000	2.45	2.45	436
NSR1670	FEX5YR1DAY	15.92	16.31	-0.0003	36.12	30.64	29129
NSR1690	FEX5YR1DAY	16.24	16.49	0.0000	88.17	71.39	20486
NSR1710	FEX5YR1DAY	16.25	16.49	0.0000	6.26	5.84	2596
NSR1730	FEX5YR1DAY	16.32	16.56	0.0001	87.93	81.50	9663
NSR1750	FEX5YR1DAY	16.68	16.68	0.0000	2.58	2.58	436
NSR1770	FEX5YR1DAY	17.23	17.37	0.0000	25.24	15.55	19293
NSR1790	FEX5YR1DAY	17.24	17.38	0.0000	29.06	17.41	33039
NSR1810	FEX5YR1DAY	17.25	17.38	0.0000	9.60	7.83	12905
NSR1830	FEX5YR1DAY	17.25	17.38	0.0000	43.34	32.91	84966
NSR1850	FEX5YR1DAY	16.95	17.15	0.0000	7.41	7.67	13140

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR1870	FEX5YR1DAY	16.93	17.15	0.0001	29.21	23.70	54489
NSR1890	FEX5YR1DAY	16.05	17.13	0.0000	13.14	13.54	1056
NSR1910	FEX5YR1DAY	15.45	17.11	0.0004	53.41	49.01	34988
NSR1930	FEX5YR1DAY	16.53	16.74	-0.0002	65.91	65.51	1836
NSR1950	FEX5YR1DAY	16.70	16.90	0.0001	20.96	20.41	5130
NSR1970	FEX5YR1DAY	16.84	17.14	-0.0001	23.18	19.81	36044
NSR1990	FEX5YR1DAY	16.86	17.10	0.0000	10.28	9.31	949
NSR2010	FEX5YR1DAY	16.91	17.06	-0.0001	12.46	10.28	29468
NSR2030	FEX5YR1DAY	16.90	16.99	-0.0001	7.92	7.93	751
NSR2050	FEX5YR1DAY	16.88	16.89	0.0000	11.48	10.97	15670
NSR2070	FEX5YR1DAY	16.81	16.82	0.0000	6.16	6.17	781
NSR2090	FEX5YR1DAY	16.72	16.72	0.0000	6.17	6.17	673
NSR2110	FEX5YR1DAY	16.54	16.54	0.0000	14.95	14.26	15181
NSR2130	FEX5YR1DAY	16.50	16.50	0.0000	14.48	9.71	89428
NSR2150	FEX5YR1DAY	17.60	16.99	0.0000	48.52	41.99	123972
NSR2170	FEX5YR1DAY	17.62	17.12	0.0000	30.16	30.04	2087
NSR2190	FEX5YR1DAY	17.62	17.17	-0.0001	30.27	30.16	967
NSR2210	FEX5YR1DAY	17.62	17.26	0.0000	37.48	26.12	81509
NSR2230	FEX5YR1DAY	17.62	17.21	-0.0001	21.09	20.56	675
NSR2250	FEX5YR1DAY	17.63	17.26	-0.0001	22.52	21.09	10559
NSR2270	FEX5YR1DAY	17.63	17.27	-0.0001	25.02	20.68	20887
NSR2290	FEX5YR1DAY	17.63	17.28	-0.0001	18.01	17.73	888
NSR2310	FEX5YR1DAY	17.63	17.30	0.0000	19.36	18.01	14530
NSR2330	FEX5YR1DAY	17.65	17.78	0.0000	18.83	12.89	29725
NSR2350	FEX5YR1DAY	17.65	17.79	0.0001	19.29	11.83	34770
NSR2370	FEX5YR1DAY	16.66	16.76	0.0000	21.68	16.87	9676
NSR2390	FEX5YR1DAY	18.07	17.99	0.0000	10.04	3.24	58979
NSR2410	FEX5YR1DAY	16.66	16.76	0.0000	32.95	21.68	17708
NSR2430	FEX5YR1DAY	17.99	17.98	0.0000	2.25	2.24	2699
NSR2450	FEX5YR1DAY	18.06	18.07	0.0000	29.86	29.35	15280
NSR3000	FEX5YR1DAY	17.04	17.15	-0.0727	6.65	49.45	1108
NSR3005	FEX5YR1DAY	17.02	17.15	0.1453	49.45	4.01	566
NSR3020	FEX5YR1DAY	17.61	17.71	-0.0001	32.32	29.93	67988
NSR3040	FEX5YR1DAY	16.25	16.38	0.0000	59.81	55.31	36198
NSR3060	FEX5YR1DAY	16.21	16.21	-0.0001	18.27	16.53	41771
NSW0010	FEX5YR1DAY	2.00	2.00	0.0000	22.74	0.00	0
NSW0030	FEX5YR1DAY	2.13	2.67	0.0003	22.77	22.74	587
NSW0050	FEX5YR1DAY	4.04	4.07	-0.0001	22.99	22.77	959
Outfall	FEX5YR1DAY	2.00	2.00	0.0000	46.88	0.00	0
Outfall_NE	FEX5YR1DAY	21.00	19.86	0.0002	8.45	0.00	0
PondA	FEX5YR1DAY	0.00	20.10	0.0000	16.43	2.30	61954
PondB	FEX5YR1DAY	0.00	16.36	0.0000	132.73	75.69	84364
SH_OUTFALL	FEX5YR1DAY	2.00	2.00	0.0000	196.22	0.00	0
STORAGE1	FEX5YR1DAY	0.00	19.59	0.0000	4.25	1.20	7405
STORAGE10	FEX5YR1DAY	0.00	20.06	0.0000	2.17	0.00	9148
STORAGE11	FEX5YR1DAY	0.00	20.72	0.0001	10.01	0.01	18648
STORAGE12	FEX5YR1DAY	0.00	20.39	0.0003	77.78	5.91	10262

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
STORAGE13	FEX5YR1DAY	0.00	19.13	0.0000	3.74	0.58	5323
STORAGE14	FEX5YR1DAY	0.00	20.79	0.0000	3.12	0.00	13395
STORAGE2	FEX5YR1DAY	0.00	18.96	0.0001	12.58	2.63	18426
STORAGE4	FEX5YR1DAY	0.00	19.21	0.0002	70.83	3.40	12088
STORAGE5	FEX5YR1DAY	0.00	21.07	0.0000	18.62	4.64	19962
STORAGE8	FEX5YR1DAY	0.00	18.91	0.0000	2.91	0.99	6098
STORAGE9	FEX5YR1DAY	0.00	19.34	0.0008	9.24	2.31	11761
Sevilla1	FEX5YR1DAY	1.20	2.07	0.0000	0.03	0.03	804
Sevilla2	FEX5YR1DAY	1.23	2.04	0.0000	0.01	0.01	609
Sevilla3	FEX5YR1DAY	1.20	2.07	0.0000	0.08	0.08	1339
Sevilla4	FEX5YR1DAY	1.20	2.07	0.0000	0.14	0.14	1450
Shamrock2	FEX5YR1DAY	1.11	2.04	-0.0001	46.92	46.88	5389
Shmrck1.1	FEX5YR1DAY	1.38	2.13	0.0000	46.86	46.91	6206
Shmrck1.2	FEX5YR1DAY	1.20	2.07	0.0001	46.91	46.92	3971
V3	FEX5YR1DAY	6.53	6.53	0.0000	0.00	0.00	436
BC_N02	FEX5YR8HR	0.00	18.00	0.0000	0.00	0.00	0
Church1	FEX5YR8HR	8.77	8.91	0.0000	0.16	0.05	518
Church2	FEX5YR8HR	8.77	8.91	0.0000	4.03	3.69	4390
Clark1	FEX5YR8HR	7.21	7.51	0.0000	0.49	0.29	742
Clark2	FEX5YR8HR	7.21	7.51	0.0000	52.02	52.01	4366
DM1	FEX5YR8HR	11.42	11.51	0.0000	4.10	4.11	1371
DM2	FEX5YR8HR	10.30	10.33	0.0000	4.11	4.04	2100
DM3	FEX5YR8HR	9.16	9.21	0.0000	4.04	4.03	2968
E_Outlet	FEX5YR8HR	0.00	16.05	0.0003	67.56	18.81	0
E_Outlet2	FEX5YR8HR	0.00	17.00	0.0000	0.00	0.00	0
EIP_Hes.1	FEX5YR8HR	1.99	2.46	0.0000	0.26	0.27	763
EIP_con.1	FEX5YR8HR	2.18	2.57	-0.0001	51.93	51.93	4221
EIPrad.1	FEX5YR8HR	1.99	2.46	0.0000	0.12	0.11	632
G1	FEX5YR8HR	14.98	15.40	-0.0005	60.25	47.82	37911
G10	FEX5YR8HR	8.77	8.90	0.0000	52.03	52.02	4602
G2	FEX5YR8HR	14.99	15.39	-0.0003	15.01	14.60	32943
G3	FEX5YR8HR	14.86	15.34	-0.0005	61.89	61.79	27826
G4	FEX5YR8HR	12.82	14.34	-0.0001	61.79	60.19	57230
G5	FEX5YR8HR	11.69	12.42	0.0000	58.67	58.67	1864
G6	FEX5YR8HR	11.00	9.24	0.0000	9.13	0.00	0
G7	FEX5YR8HR	11.00	11.24	0.0000	58.67	58.66	3601
G8	FEX5YR8HR	10.07	10.32	0.0000	49.53	49.53	2143
G9	FEX5YR8HR	9.41	9.70	0.0000	49.53	49.53	1353
H1	FEX5YR8HR	1.99	2.46	0.0000	0.10	0.11	514
H2.1	FEX5YR8HR	1.99	2.46	0.0000	51.93	51.91	6105
Hubert	FEX5YR8HR	3.16	3.33	0.0000	52.01	51.98	5965
JUNCT1	FEX5YR8HR	0.00	18.90	0.0000	2.70	2.69	3883
JUNCT10	FEX5YR8HR	0.00	21.91	0.0000	34.18	34.14	9131
JUNCT2	FEX5YR8HR	0.00	14.13	0.0000	14.49	14.49	1626
JUNCT3	FEX5YR8HR	0.00	19.87	0.0000	3.39	3.21	10370
JUNCT4	FEX5YR8HR	0.00	13.62	0.0000	2.96	2.95	5152
JUNCT6	FEX5YR8HR	0.00	15.22	0.0000	20.54	20.51	4221

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
JUNCT7	FEX5YR8HR	0.00	19.35	0.0000	62.08	62.07	8386
JUNCT7B	FEX5YR8HR	0.00	19.23	0.0000	62.07	61.04	18391
JUNCT8	FEX5YR8HR	0.00	19.36	0.0000	102.10	102.35	11632
JUNCT8B	FEX5YR8HR	0.00	19.23	0.0000	101.66	100.07	26038
JUNCT9	FEX5YR8HR	0.00	29.39	0.0000	27.86	27.89	9025
L1	FEX5YR8HR	11.53	11.59	0.0000	1.52	0.78	51695
L2	FEX5YR8HR	11.63	11.63	0.0000	0.00	0.00	436
L3	FEX5YR8HR	10.43	10.43	0.0000	0.00	0.00	436
L4	FEX5YR8HR	8.43	8.43	0.0000	0.00	0.00	436
L5	FEX5YR8HR	7.63	7.63	0.0000	0.00	0.00	436
L6	FEX5YR8HR	6.93	6.93	0.0000	0.00	0.00	436
Lois	FEX5YR8HR	4.82	4.81	0.0000	52.01	52.01	6808
M1	FEX5YR8HR	2.58	2.85	0.0000	0.33	0.35	743
M1.1	FEX5YR8HR	6.33	6.37	0.0000	0.54	0.33	18605
M1.2	FEX5YR8HR	7.03	7.06	0.0000	0.49	0.54	17036
M1.3	FEX5YR8HR	7.13	7.18	0.0000	0.78	0.49	28487
M2	FEX5YR8HR	2.58	2.85	0.0000	0.42	0.45	1064
M3	FEX5YR8HR	2.58	2.85	0.0000	0.55	0.74	1165
M4	FEX5YR8HR	2.58	2.85	0.0000	0.87	1.08	908
M5.1	FEX5YR8HR	2.57	2.85	0.0000	51.98	51.95	6162
M6	FEX5YR8HR	2.58	2.85	0.0000	0.29	0.22	558
Marjory_Pump	FEX5YR8HR	0.00	31.43	0.0102	3.62	2.55	496
N01	FEX5YR8HR	0.00	20.28	0.0000	10.93	6.97	25403
N01A	FEX5YR8HR	0.00	20.26	0.0000	6.97	6.79	437
N02	FEX5YR8HR	0.00	17.25	-0.0001	13.68	13.06	7255
N03	FEX5YR8HR	0.00	17.33	0.0000	4.15	4.18	919
N04	FEX5YR8HR	0.00	17.40	0.0000	3.15	3.14	649
N05	FEX5YR8HR	0.00	17.19	0.0000	77.82	77.15	4413
N06	FEX5YR8HR	0.00	16.18	0.0001	78.04	78.17	3292
N07A	FEX5YR8HR	0.00	13.72	-0.0001	80.91	81.05	4247
N08A	FEX5YR8HR	0.00	11.89	0.0001	99.14	99.27	9321
N09	FEX5YR8HR	0.00	10.41	0.0000	6.64	6.45	468
N09A	FEX5YR8HR	0.00	10.36	-0.0001	103.09	103.12	1361
N10	FEX5YR8HR	2.00	2.00	0.0000	183.37	0.00	0
N11	FEX5YR8HR	0.00	16.30	-0.0003	46.33	67.56	94464
NBB0010	FEX5YR8HR	2.00	2.00	0.0000	115.76	0.00	0
NBB0030	FEX5YR8HR	5.03	5.94	-0.0002	115.77	115.76	557
NBB0050	FEX5YR8HR	9.15	9.89	-0.0001	117.85	115.77	9639
NBB0070	FEX5YR8HR	11.30	11.97	0.0000	104.56	104.42	2549
NBB0090	FEX5YR8HR	12.67	13.20	0.0001	93.30	93.55	1994
NBB0110	FEX5YR8HR	13.46	13.94	0.0001	90.37	90.56	1982
NBB0130	FEX5YR8HR	15.26	15.78	-0.0001	27.14	24.55	23652
NBB0150	FEX5YR8HR	14.01	14.44	0.0001	70.31	70.49	1935
NBB0170	FEX5YR8HR	14.74	15.11	0.0001	70.14	70.31	1452
NBB0190	FEX5YR8HR	15.42	15.73	0.0001	69.97	70.14	1785
NBB0210	FEX5YR8HR	15.70	16.03	0.0001	67.19	67.36	1555

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBB0230	FEX5YR8HR	16.02	16.38	0.0001	67.02	67.19	1635
NBB0250	FEX5YR8HR	16.31	16.65	0.0001	66.09	66.26	2036
NBB0270	FEX5YR8HR	17.05	17.17	0.0001	65.69	66.09	6175
NBB0290	FEX5YR8HR	17.06	17.17	0.0001	53.26	53.48	1258
NBB0310	FEX5YR8HR	17.07	17.18	-0.0001	117.83	96.84	277871
NBB0330	FEX5YR8HR	16.57	16.64	0.0001	34.61	34.40	8447
NBB0350	FEX5YR8HR	16.45	16.57	0.0001	24.73	25.69	1396
NBB0370	FEX5YR8HR	16.33	16.50	0.0001	55.50	48.10	48235
NBB0390	FEX5YR8HR	16.32	16.50	0.0001	18.59	19.38	1833
NBB0410	FEX5YR8HR	16.30	16.49	-0.0002	53.52	49.79	33798
NBB0430	FEX5YR8HR	15.45	15.56	-0.0002	68.72	69.46	65326
NBW0010	FEX5YR8HR	2.00	2.00	0.0000	595.07	0.00	0
NBW0030	FEX5YR8HR	3.39	3.53	0.0000	595.25	595.07	40210
NBW0050	FEX5YR8HR	3.92	3.83	0.0000	6.29	5.39	4943
NBW0070	FEX5YR8HR	3.57	3.75	0.0000	198.78	199.78	28584
NBW0090	FEX5YR8HR	3.66	3.70	0.0000	4.27	3.87	6870
NBW0130	FEX5YR8HR	3.73	3.95	0.0000	196.59	196.81	14301
NBW0150	FEX5YR8HR	3.93	3.97	0.0001	6.45	6.35	442
NBW0170	FEX5YR8HR	3.98	3.97	0.0000	2.92	2.58	3791
NBW0190	FEX5YR8HR	3.89	4.11	-0.0001	194.14	194.20	5879
NBW0210	FEX5YR8HR	6.25	6.22	0.0000	5.07	5.05	4655
NBW0230	FEX5YR8HR	4.01	4.25	-0.0001	192.61	192.69	3131
NBW0250	FEX5YR8HR	4.88	5.20	0.0000	191.28	191.33	5475
NBW0270	FEX5YR8HR	5.49	5.38	0.0000	25.82	24.54	14143
NBW0290	FEX5YR8HR	5.91	5.83	0.0000	19.94	19.84	9870
NBW0310	FEX5YR8HR	6.38	6.08	0.0000	6.72	6.71	743
NBW0330	FEX5YR8HR	5.50	5.92	0.0000	184.37	184.39	22115
NBW0350	FEX5YR8HR	4.97	4.92	0.0000	4.84	4.83	2454
NBW0370	FEX5YR8HR	5.52	5.93	0.0001	6.30	5.82	3108
NBW0390	FEX5YR8HR	5.52	5.93	0.0001	5.94	5.07	15559
NBW0410	FEX5YR8HR	5.54	5.97	-0.0001	179.31	179.61	3446
NBW0430	FEX5YR8HR	5.89	6.32	0.0001	3.55	3.19	3674
NBW0450	FEX5YR8HR	5.89	6.32	0.0000	180.05	179.31	11225
NBW0470	FEX5YR8HR	5.89	6.32	-0.0001	2.59	2.23	2789
NBW0490	FEX5YR8HR	5.92	6.36	-0.0001	177.89	178.19	3040
NBW0510	FEX5YR8HR	6.72	6.58	0.0000	2.05	2.05	1649
NBW0530	FEX5YR8HR	6.22	6.70	0.0000	177.63	177.42	4799
NBW0550	FEX5YR8HR	6.72	7.25	0.0000	117.37	108.27	151745
NBW0570	FEX5YR8HR	7.09	7.25	0.0000	108.90	108.46	8961
NBW0590	FEX5YR8HR	10.03	9.94	-0.0004	135.83	134.94	78626
NBW0610	FEX5YR8HR	6.45	6.91	0.0000	158.78	158.78	7838
NBW0630	FEX5YR8HR	6.22	6.70	0.0000	2.82	2.04	13219
NBW0650	FEX5YR8HR	6.66	7.20	0.0000	159.60	158.73	20814
NBW0670	FEX5YR8HR	6.66	7.20	0.0000	4.44	3.61	20191
NBW0690	FEX5YR8HR	6.71	7.24	0.0001	117.07	118.06	9288
NBW0710	FEX5YR8HR	6.71	7.24	0.0000	8.34	6.71	27579
NBW0730	FEX5YR8HR	6.72	7.25	0.0000	107.66	113.07	153799

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW0750	FEX5YR8HR	7.06	7.34	0.0001	116.73	111.38	83940
NBW0770	FEX5YR8HR	7.06	7.34	-0.0001	14.44	11.90	14759
NBW0790	FEX5YR8HR	8.11	7.68	0.0000	12.31	12.16	761
NBW0810	FEX5YR8HR	7.06	7.34	0.0000	30.44	24.21	24911
NBW0830	FEX5YR8HR	8.41	7.69	0.0000	20.03	19.89	1326
NBW0850	FEX5YR8HR	10.17	8.07	0.0000	18.38	18.26	755
NBW0870	FEX5YR8HR	7.06	7.37	0.0000	60.82	55.85	106108
NBW0890	FEX5YR8HR	7.06	7.35	-0.0002	18.56	19.45	1027
NBW0910	FEX5YR8HR	7.06	7.35	0.0000	84.01	81.21	100790
NBW0930	FEX5YR8HR	8.03	7.65	0.0000	37.67	37.65	1301
NBW0950	FEX5YR8HR	8.82	8.08	-0.0001	40.68	37.67	37970
NBW0970	FEX5YR8HR	8.82	8.09	0.0001	32.72	32.38	11972
NBW0990	FEX5YR8HR	8.82	8.14	-0.0001	21.61	21.71	785
NBW1010	FEX5YR8HR	8.83	8.53	0.0000	31.86	31.85	1189
NBW1030	FEX5YR8HR	9.19	10.00	-0.0001	48.51	31.04	43747
NBW1050	FEX5YR8HR	9.30	10.01	0.0001	18.76	18.44	900
NBW1070	FEX5YR8HR	9.34	10.02	-0.0001	89.50	84.72	60247
NBW1090	FEX5YR8HR	3.78	3.91	0.0000	391.66	391.49	12182
NBW1130	FEX5YR8HR	4.51	4.50	0.0000	13.63	11.20	14307
NBW1150	FEX5YR8HR	4.53	4.51	0.0000	11.28	9.21	38575
NBW1169	FEX5YR8HR	4.09	4.19	0.0000	379.71	379.53	16397
NBW1170	FEX5YR8HR	4.30	4.41	-0.0001	373.10	373.03	5983
NBW1190	FEX5YR8HR	6.13	6.22	-0.0001	28.22	26.89	50461
NBW1210	FEX5YR8HR	7.17	7.11	-0.0003	76.31	48.67	96216
NBW1230	FEX5YR8HR	7.17	7.12	-0.0002	99.22	63.86	146418
NBW1250	FEX5YR8HR	4.74	4.84	-0.0001	341.33	339.67	7384
NBW1270	FEX5YR8HR	6.14	6.22	-0.0001	6.91	6.98	14011
NBW1310	FEX5YR8HR	5.21	5.26	-0.0001	367.49	340.69	8354
NBW1330	FEX5YR8HR	7.56	8.04	0.0011	302.09	325.94	3090
NBW1350	FEX5YR8HR	10.95	9.79	-0.0001	20.13	20.76	490
NBW1351	FEX5YR8HR	8.89	9.57	0.0002	256.00	255.64	8277
NBW1352	FEX5YR8HR	9.96	10.81	-0.0004	250.03	250.24	7956
NBW1353	FEX5YR8HR	11.01	12.03	-0.0005	246.99	247.17	5636
NBW1370	FEX5YR8HR	10.02	10.33	0.0004	199.36	199.22	6358
NBW1390	FEX5YR8HR	15.24	15.31	-0.0004	229.98	226.68	121936
NBW1410	FEX5YR8HR	15.58	15.60	0.0002	179.81	176.11	21490
NBW1430	FEX5YR8HR	15.79	15.76	-0.0002	157.24	164.58	19919
NBW1450	FEX5YR8HR	16.94	16.91	0.0002	197.82	197.66	105181
NBW1460	FEX5YR8HR	16.43	16.41	-0.0002	153.34	153.97	3519
NBW1470	FEX5YR8HR	17.14	17.16	-0.0004	202.18	198.93	144741
NBW1480	FEX5YR8HR	18.11	18.13	0.0000	7.72	7.43	15286
NBW1490	FEX5YR8HR	17.86	17.95	0.0001	134.40	130.79	57753
NBW1510	FEX5YR8HR	18.12	18.19	0.0002	151.45	151.70	17480
NBW1530	FEX5YR8HR	17.92	18.03	0.0001	14.55	12.17	1237
NBW1550	FEX5YR8HR	17.75	17.87	0.0001	22.93	21.36	11885
NBW1570	FEX5YR8HR	18.21	18.34	0.0002	149.81	150.06	2604
NBW1590	FEX5YR8HR	18.12	18.19	0.0001	33.44	30.95	16733

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW1610	FEX5YR8HR	18.13	18.20	0.0001	23.00	22.70	7246
NBW1630	FEX5YR8HR	18.13	18.18	0.0001	14.58	14.57	1681
NBW1650	FEX5YR8HR	18.81	18.96	0.0001	10.43	10.15	7442
NBW1670	FEX5YR8HR	18.89	18.97	0.0001	18.51	18.12	6833
NBW1690	FEX5YR8HR	19.03	18.97	0.0001	11.05	10.97	7975
NBW1710	FEX5YR8HR	19.26	18.97	0.0001	3.16	1.11	998
NBW1730	FEX5YR8HR	18.65	18.95	0.0003	140.56	139.48	200089
NBW1750	FEX5YR8HR	18.82	18.96	0.0001	75.58	71.19	28978
NBW1770	FEX5YR8HR	18.82	18.97	0.0001	64.07	59.34	70927
NBW1790	FEX5YR8HR	18.91	18.97	0.0001	14.78	14.68	2176
NBW1820	FEX5YR8HR	18.72	18.76	0.0000	37.68	31.15	86542
NBW1830	FEX5YR8HR	18.74	18.97	0.0001	77.18	77.39	14343
NBW1840	FEX5YR8HR	18.39	18.45	-0.0001	68.29	63.92	84748
NBW1850	FEX5YR8HR	18.74	18.97	-0.0001	77.02	76.16	83961
NBW1860	FEX5YR8HR	18.39	18.45	-0.0001	7.87	7.40	17293
NBW1870	FEX5YR8HR	18.72	18.77	-0.0001	20.13	13.86	27239
NBW1890	FEX5YR8HR	19.06	19.08	0.0001	60.11	60.35	2614
NBW1910	FEX5YR8HR	19.27	19.16	-0.0001	59.88	60.11	2400
NBW1930	FEX5YR8HR	19.27	19.19	0.0000	59.30	59.52	4634
NBW1950	FEX5YR8HR	18.97	18.99	0.0000	3.82	1.95	450
NBW1970	FEX5YR8HR	18.96	18.99	0.0000	6.73	6.72	2371
NBW1990	FEX5YR8HR	19.27	19.27	0.0000	56.41	57.96	51430
NBW2010	FEX5YR8HR	19.65	19.44	0.0000	9.93	8.89	5682
NBW2030	FEX5YR8HR	19.65	19.44	0.0000	8.74	8.77	13661
NBW2050	FEX5YR8HR	19.26	19.37	0.0001	52.22	53.31	58481
NBW2060	FEX5YR8HR	0.00	19.48	0.0000	10.70	10.35	24377
NBW2070	FEX5YR8HR	19.26	19.37	0.0001	65.36	58.24	95580
NBW2090	FEX5YR8HR	19.10	19.22	0.0001	37.92	37.89	19098
NBW2110	FEX5YR8HR	18.92	19.22	0.0000	117.88	94.01	168890
NBW2130	FEX5YR8HR	18.92	19.22	-0.0001	31.46	25.15	34173
NBW2140	FEX5YR8HR	20.00	19.23	0.0000	5.14	5.40	609
NBW2145	FEX5YR8HR	0.00	19.24	-0.0005	11.61	51.07	21271
NBW2150	FEX5YR8HR	19.26	19.57	0.0000	50.50	50.12	15214
NBW2170	FEX5YR8HR	19.12	19.63	0.0001	6.71	2.96	798
NBW2190	FEX5YR8HR	19.10	19.66	0.0000	3.57	3.06	5091
NBW2210	FEX5YR8HR	19.47	19.65	-0.0001	23.89	22.42	5502
NBW2230	FEX5YR8HR	19.47	19.70	0.0001	34.09	33.42	40438
NBW2250	FEX5YR8HR	19.51	19.68	0.0000	15.21	15.35	2635
NBW2270	FEX5YR8HR	19.57	19.70	0.0001	14.98	14.97	8280
NBW2290	FEX5YR8HR	19.65	19.70	0.0000	20.79	20.71	75820
NBW2310	FEX5YR8HR	19.82	19.75	0.0001	21.90	18.50	85662
NBW2330	FEX5YR8HR	19.82	19.75	-0.0001	13.90	10.03	46303
NBW2350	FEX5YR8HR	16.05	16.10	0.0001	62.83	62.31	30957
NBW2370	FEX5YR8HR	16.11	16.15	-0.0001	11.64	11.20	58826
NBW2380	FEX5YR8HR	12.29	13.54	-0.0003	244.76	244.96	10756
NBW2385	FEX5YR8HR	18.49	18.48	0.0000	2.27	2.27	6442
NBW2387	FEX5YR8HR	16.11	15.70	0.0000	0.35	0.34	476

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW2390	FEX5YR8HR	16.42	16.75	0.0001	40.19	40.14	2672
NBW2410	FEX5YR8HR	16.59	17.72	0.0001	41.16	34.75	82944
NBW2430	FEX5YR8HR	16.23	17.73	-0.0001	89.26	87.46	38240
NBW2450	FEX5YR8HR	16.15	17.68	-0.0001	150.52	158.81	4396
NBW2470	FEX5YR8HR	16.43	17.80	-0.0001	129.05	121.69	34681
NBW2490	FEX5YR8HR	16.90	17.80	-0.0002	72.52	72.38	19564
NBW2510	FEX5YR8HR	17.74	17.87	0.0000	70.21	69.97	2032
NBW2530	FEX5YR8HR	17.92	18.03	0.0001	65.38	65.62	2011
NBW2550	FEX5YR8HR	17.95	18.04	0.0000	1.72	2.90	450
NBW2570	FEX5YR8HR	17.96	18.04	0.0000	1.82	1.72	3679
NBW2590	FEX5YR8HR	18.06	18.13	0.0001	53.57	53.74	1098
NBW2610	FEX5YR8HR	17.00	17.83	-0.0007	131.77	124.06	51031
NBW2630	FEX5YR8HR	17.98	18.03	0.0001	125.22	122.95	39067
NBW2650	FEX5YR8HR	16.97	17.82	-0.0003	28.24	29.06	12943
NBW2670	FEX5YR8HR	16.42	17.79	-0.0001	30.16	31.02	10246
NBW2680	FEX5YR8HR	17.73	17.82	-0.0001	31.76	32.64	21150
NBW2690	FEX5YR8HR	15.40	17.18	0.0002	232.51	235.05	43265
NBW2710	FEX5YR8HR	17.73	17.82	-0.0001	2.17	3.44	533
NBW2730	FEX5YR8HR	18.29	18.28	0.0000	1.22	0.49	4356
NBW2770	FEX5YR8HR	18.09	18.14	0.0000	13.31	13.37	1309
NBW2775	FEX5YR8HR	6.59	6.51	0.0000	7.66	4.90	23787
NBW2780	FEX5YR8HR	18.38	18.43	-0.0003	48.00	40.19	65257
NBW2790	FEX5YR8HR	18.38	18.44	-0.0001	141.46	142.02	86446
NBW2810	FEX5YR8HR	18.39	18.45	-0.0002	54.44	54.61	68124
NBW2830	FEX5YR8HR	18.40	18.45	-0.0001	37.10	35.46	108288
NC01	FEX5YR8HR	0.00	3.84	0.0000	7.92	7.85	3210
NC01B	FEX5YR8HR	0.00	5.78	0.0000	8.96	8.93	4078
NC02	FEX5YR8HR	0.00	8.01	-0.0001	107.71	107.72	1891
NC03	FEX5YR8HR	0.00	4.68	-0.0002	120.46	120.45	2072
NC04	FEX5YR8HR	0.00	3.30	0.0000	27.98	26.50	21315
NC05	FEX5YR8HR	0.00	3.29	-0.0001	28.04	26.60	34820
NC06	FEX5YR8HR	0.00	3.20	0.0000	27.89	27.31	15176
NC07	FEX5YR8HR	0.00	3.18	0.0000	18.92	18.69	13825
NC08	FEX5YR8HR	0.00	3.16	0.0000	21.41	21.26	10303
NCL0010	FEX5YR8HR	2.00	2.00	0.0000	534.20	0.00	0
NCL0030	FEX5YR8HR	2.36	2.71	-0.0002	468.99	468.96	6856
NCL0050	FEX5YR8HR	2.36	2.71	0.0000	0.88	0.77	439
NCL0070	FEX5YR8HR	5.20	5.21	0.0000	83.76	82.77	31023
NCL0090	FEX5YR8HR	6.06	5.98	-0.0001	30.10	25.96	57604
NCL0110	FEX5YR8HR	3.04	3.23	-0.0006	551.47	551.42	6623
NCL0130	FEX5YR8HR	4.05	3.30	-0.0002	99.46	99.57	565
NCL0150	FEX5YR8HR	4.95	3.83	0.0000	99.51	99.46	2802
NCL0170	FEX5YR8HR	5.08	3.93	-0.0001	57.39	57.74	1380
NCL0190	FEX5YR8HR	5.08	3.93	0.0000	1.52	1.51	438
NCL0210	FEX5YR8HR	5.85	4.26	-0.0001	75.13	75.30	1234
NCL0230	FEX5YR8HR	6.60	4.93	0.0000	18.48	18.32	564
NCL0250	FEX5YR8HR	6.60	4.93	0.0000	0.64	0.81	538

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL0270	FEX5YR8HR	6.60	5.79	0.0000	2.74	2.75	1001
NCL0290	FEX5YR8HR	5.90	4.41	-0.0001	52.69	52.83	924
NCL0310	FEX5YR8HR	6.10	5.07	0.0010	52.60	52.69	1045
NCL0330	FEX5YR8HR	5.95	5.07	0.0000	0.77	1.94	513
NCL0350	FEX5YR8HR	6.60	5.69	-0.0005	61.83	59.56	14904
NCL0370	FEX5YR8HR	7.36	7.17	-0.0001	44.89	44.54	9466
NCL0390	FEX5YR8HR	4.02	4.14	-0.0021	441.73	468.94	4339
NCL0410	FEX5YR8HR	4.09	4.18	-0.0002	3.52	3.50	819
NCL0430	FEX5YR8HR	4.23	4.23	0.0000	3.56	3.52	639
NCL0450	FEX5YR8HR	4.75	4.83	-0.0012	435.51	435.56	3676
NCL0470	FEX5YR8HR	5.43	5.48	-0.0011	431.95	431.99	3437
NCL0490	FEX5YR8HR	6.48	6.48	-0.0010	454.80	455.82	26791
NCL0510	FEX5YR8HR	6.67	6.59	-0.0001	24.76	24.70	1151
NCL0530	FEX5YR8HR	8.10	7.36	0.0004	40.47	16.15	1178
NCL0550	FEX5YR8HR	8.17	7.40	-0.0002	16.30	40.47	877
NCL0570	FEX5YR8HR	8.66	7.52	0.0000	8.18	8.10	839
NCL0590	FEX5YR8HR	7.00	7.01	0.0008	417.96	417.96	3392
NCL0610	FEX5YR8HR	7.52	7.57	0.0007	411.92	411.94	3640
NCL0630	FEX5YR8HR	8.06	8.16	0.0003	409.70	409.80	4608
NCL0650	FEX5YR8HR	8.12	8.21	-0.0003	46.28	102.60	1613
NCL0670	FEX5YR8HR	8.67	8.72	0.0002	126.49	46.28	1692
NCL0690	FEX5YR8HR	8.76	8.79	-0.0003	28.10	35.14	605
NCL0710	FEX5YR8HR	8.95	8.93	0.0002	29.09	27.71	601
NCL0730	FEX5YR8HR	9.26	9.18	-0.0001	30.76	29.09	554
NCL0750	FEX5YR8HR	9.56	9.42	0.0000	51.49	49.47	39883
NCL0770	FEX5YR8HR	10.12	9.94	0.0000	33.35	33.28	2178
NCL0790	FEX5YR8HR	8.69	8.74	-0.0003	28.33	101.59	895
NCL0810	FEX5YR8HR	8.84	8.89	0.0001	28.22	28.33	1379
NCL0830	FEX5YR8HR	8.93	9.17	-0.0008	360.87	363.15	27200
NCL0850	FEX5YR8HR	9.01	9.19	-0.0001	59.00	56.37	9386
NCL0870	FEX5YR8HR	9.37	9.28	0.0002	79.20	79.06	2022
NCL0890	FEX5YR8HR	9.65	9.35	-0.0001	60.21	60.06	1587
NCL0910	FEX5YR8HR	9.71	9.35	-0.0001	4.05	3.90	483
NCL0930	FEX5YR8HR	9.57	9.48	-0.0001	56.47	56.31	2106
NCL0950	FEX5YR8HR	9.89	9.64	0.0000	46.03	45.87	3155
NCL0970	FEX5YR8HR	10.41	9.84	0.0000	27.86	27.69	2250
NCL0990	FEX5YR8HR	11.00	10.02	0.0000	18.91	18.67	1483
NCL1010	FEX5YR8HR	11.14	10.07	0.0000	4.07	3.99	649
NCL1030	FEX5YR8HR	9.67	9.32	-0.0002	21.26	33.52	1479
NCL1050	FEX5YR8HR	10.46	9.33	-0.0001	3.88	3.73	600
NCL1070	FEX5YR8HR	9.30	10.11	0.0001	3.69	3.76	621
NCL1090	FEX5YR8HR	9.76	10.24	0.0000	22.00	8.76	18401
NCL1110	FEX5YR8HR	9.85	9.93	0.0000	16.82	16.92	2088
NCL1130	FEX5YR8HR	9.76	10.24	0.0000	16.95	16.15	35337
NCL1150	FEX5YR8HR	9.76	10.24	0.0001	426.30	433.68	189032
NCL1170	FEX5YR8HR	10.59	11.28	0.0005	368.70	345.89	93168
NCL1190	FEX5YR8HR	10.72	11.33	0.0001	53.87	53.67	1850

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL1210	FEX5YR8HR	10.63	11.30	0.0001	19.73	8.06	50422
NCL1230	FEX5YR8HR	10.94	11.42	0.0001	54.06	53.87	1432
NCL1250	FEX5YR8HR	11.11	11.49	-0.0001	54.26	54.06	1231
NCL1270	FEX5YR8HR	11.34	11.60	0.0001	57.54	57.35	1227
NCL1290	FEX5YR8HR	13.06	12.68	0.0000	29.02	28.67	1165
NCL1310	FEX5YR8HR	14.77	14.40	0.0000	21.26	20.40	3853
NCL1330	FEX5YR8HR	10.60	11.28	0.0001	152.23	158.44	77738
NCL1350	FEX5YR8HR	10.63	11.30	0.0001	156.13	150.57	54679
NCL1370	FEX5YR8HR	10.63	11.30	-0.0001	17.99	17.63	1667
NCL1390	FEX5YR8HR	10.63	11.31	0.0001	6.30	6.07	1591
NCL1410	FEX5YR8HR	10.63	11.31	-0.0001	4.70	4.50	1325
NCL1430	FEX5YR8HR	10.70	11.37	0.0005	426.96	384.27	154978
NCL1450	FEX5YR8HR	10.93	11.94	0.0008	392.00	391.83	3036
NCL1470	FEX5YR8HR	12.72	13.28	0.0002	327.26	327.03	4450
NCL1490	FEX5YR8HR	14.45	14.31	0.0000	2.90	2.89	762
NCL1510	FEX5YR8HR	11.06	12.00	0.0004	47.27	72.41	862
NCL1530	FEX5YR8HR	12.54	12.62	-0.0003	55.85	55.28	7619
NCL1550	FEX5YR8HR	13.13	13.09	-0.0001	39.24	38.92	1021
NCL1570	FEX5YR8HR	13.31	13.18	0.0000	2.57	2.52	504
NCL1590	FEX5YR8HR	13.70	13.67	0.0000	1.12	1.12	1307
NCL1610	FEX5YR8HR	13.37	13.21	0.0000	1.53	1.46	469
NCL1630	FEX5YR8HR	13.57	13.46	0.0002	53.06	51.08	2663
NCL1650	FEX5YR8HR	13.68	13.54	-0.0002	50.26	52.20	1293
NCL1670	FEX5YR8HR	14.02	13.71	0.0000	16.71	16.70	926
NCL1690	FEX5YR8HR	17.47	17.20	0.0000	36.55	36.52	1258
NCL1710	FEX5YR8HR	17.89	17.56	0.0000	35.24	34.39	614
NCL1730	FEX5YR8HR	18.27	17.89	-0.0001	39.64	39.44	2126
NCL1750	FEX5YR8HR	18.24	17.88	0.0002	11.59	10.72	513
NCL1770	FEX5YR8HR	18.07	17.84	0.0000	12.91	12.46	1901
NCL1790	FEX5YR8HR	15.78	15.14	0.0001	324.58	324.38	5864
NCL1810	FEX5YR8HR	18.13	17.95	-0.0001	30.68	29.71	14251
NCL1830	FEX5YR8HR	18.39	16.94	0.0001	302.86	302.68	6250
NCL1850	FEX5YR8HR	18.50	17.14	-0.0003	71.09	79.05	911
NCL1870	FEX5YR8HR	19.01	18.08	0.0001	70.95	71.09	1003
NCL1890	FEX5YR8HR	19.15	18.32	-0.0003	70.83	70.95	984
NCL1910	FEX5YR8HR	19.15	18.32	0.0000	1.54	0.69	527
NCL1930	FEX5YR8HR	19.91	19.85	0.0000	2.62	2.61	1501
NCL1950	FEX5YR8HR	19.15	18.32	0.0000	0.38	0.18	498
NCL1970	FEX5YR8HR	21.67	21.63	0.0000	1.44	1.44	3025
NCL1990	FEX5YR8HR	19.58	19.18	-0.0002	70.58	70.68	918
NCL2010	FEX5YR8HR	19.74	19.46	0.0000	40.30	39.48	1104
NCL2030	FEX5YR8HR	19.76	19.47	0.0000	7.58	6.89	16854
NCL2050	FEX5YR8HR	19.76	19.51	0.0000	36.66	36.70	1412
NCL2070	FEX5YR8HR	19.76	19.47	0.0000	2.27	2.09	1008
NCL2090	FEX5YR8HR	19.87	19.75	0.0001	37.72	36.65	1414
NCL2110	FEX5YR8HR	20.03	19.75	-0.0001	16.05	16.40	873
NCL2130	FEX5YR8HR	19.87	19.82	0.0000	62.44	63.65	23309

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL2150	FEX5YR8HR	20.75	21.12	-0.0004	71.35	59.49	144689
NCL2170	FEX5YR8HR	19.85	19.80	0.0001	79.72	79.81	15807
NCL2230	FEX5YR8HR	19.13	18.03	0.0001	238.11	238.95	5806
NCL2250	FEX5YR8HR	19.55	18.81	0.0002	244.24	236.85	4443
NCL2270	FEX5YR8HR	20.05	20.07	0.0001	120.48	120.53	7475
NCL2290	FEX5YR8HR	19.88	19.82	0.0001	9.74	9.74	1165
NCL2310	FEX5YR8HR	20.45	20.60	0.0001	99.55	98.98	1780
NCL2330	FEX5YR8HR	20.74	20.96	0.0000	118.27	113.46	75515
NCL2350	FEX5YR8HR	20.78	20.99	0.0000	92.70	91.70	3869
NCL2370	FEX5YR8HR	20.81	21.00	0.0001	89.84	88.85	2298
NCL2390	FEX5YR8HR	20.84	21.04	0.0000	108.57	100.24	98877
NCL2410	FEX5YR8HR	21.07	21.10	0.0000	29.87	29.31	1380
NCL2430	FEX5YR8HR	21.32	21.17	0.0000	29.21	28.46	1473
NCL2450	FEX5YR8HR	21.25	21.14	0.0000	4.10	3.95	493
NCL2470	FEX5YR8HR	20.93	21.05	0.0000	14.15	13.69	846
NCL2490	FEX5YR8HR	21.54	21.19	0.0001	26.78	26.25	1524
NCL2510	FEX5YR8HR	21.70	21.20	0.0000	68.62	67.52	68206
NCL2530	FEX5YR8HR	21.70	21.20	0.0000	33.46	33.13	34902
NCL2540	FEX5YR8HR	0.00	21.89	0.0000	46.21	45.77	35055
NCL2550	FEX5YR8HR	21.70	21.20	0.0000	29.09	28.89	10455
NCL2570	FEX5YR8HR	21.51	21.19	-0.0001	13.78	13.88	1503
NCL2580	FEX5YR8HR	0.00	21.19	0.0000	72.71	72.39	26196
NCL2590	FEX5YR8HR	21.17	21.18	0.0000	123.68	121.45	106150
NCL2610	FEX5YR8HR	21.14	21.18	0.0000	85.48	85.22	24193
NCL2630	FEX5YR8HR	20.86	20.80	0.0000	60.22	57.96	40603
NCL2631	FEX5YR8HR	0.00	20.50	0.0001	64.45	57.35	36672
NCL2650	FEX5YR8HR	21.17	21.37	0.0000	72.07	66.55	95553
NCL2670	FEX5YR8HR	21.93	22.14	-0.0002	74.91	92.27	54985
NCL2690	FEX5YR8HR	21.96	22.22	-0.0001	38.83	41.91	43046
NCL2710	FEX5YR8HR	21.96	22.24	-0.0001	32.18	34.65	53144
NCL2730	FEX5YR8HR	21.95	22.26	0.0000	26.19	26.58	2607
NCL2750	FEX5YR8HR	21.84	22.24	0.0000	23.61	23.70	1469
NCL2770	FEX5YR8HR	21.71	22.14	0.0000	22.57	22.65	1389
NCL2780	FEX5YR8HR	0.00	22.04	0.0000	8.82	8.58	17901
NCL2790	FEX5YR8HR	21.84	22.12	0.0000	86.67	85.19	89027
NCL2810	FEX5YR8HR	22.11	22.63	-0.0001	50.16	49.62	15634
NCL2830	FEX5YR8HR	23.09	22.66	-0.0001	11.95	11.97	1242
NCL2835	FEX5YR8HR	0.00	23.68	0.0000	7.95	7.97	1113
NCL2840	FEX5YR8HR	0.00	23.64	0.0000	50.21	50.14	20300
NCL2845	FEX5YR8HR	0.00	24.18	0.0000	27.16	27.10	12903
NCL2850	FEX5YR8HR	20.82	21.01	0.0000	16.10	16.38	1361
NCL2870	FEX5YR8HR	20.83	21.00	0.0000	15.28	15.55	1251
NCL2890	FEX5YR8HR	20.83	20.99	0.0000	15.00	15.28	17254
NCL2910	FEX5YR8HR	20.83	20.99	0.0000	45.74	45.43	41264
NCL2930	FEX5YR8HR	19.55	18.84	0.0002	187.47	190.50	2979
NCL2950	FEX5YR8HR	19.53	18.97	0.0001	186.78	187.21	5717
NCL2970	FEX5YR8HR	20.49	20.33	0.0001	31.42	31.24	5766

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL2990	FEX5YR8HR	19.33	19.02	0.0001	184.66	185.48	5883
NCL3010	FEX5YR8HR	19.35	19.16	0.0001	181.19	181.85	80190
NCL3030	FEX5YR8HR	19.58	19.24	0.0001	179.59	180.48	14505
NCL3050	FEX5YR8HR	19.94	19.80	0.0001	49.75	48.03	21311
NCL3070	FEX5YR8HR	20.14	20.01	0.0000	23.24	23.04	10887
NCL3090	FEX5YR8HR	19.59	19.26	0.0001	175.95	176.72	52751
NCL3110	FEX5YR8HR	19.59	19.28	0.0002	42.53	34.21	60793
NCL3130	FEX5YR8HR	19.59	19.28	0.0001	14.89	17.23	17704
NCL3150	FEX5YR8HR	19.54	19.26	0.0001	173.56	174.18	9529
NCL3170	FEX5YR8HR	19.71	20.11	0.0001	50.91	50.52	19712
NCL3190	FEX5YR8HR	20.31	20.31	0.0001	55.52	47.25	101189
NCL3210	FEX5YR8HR	20.32	20.32	0.0001	37.41	30.72	47285
NCL3230	FEX5YR8HR	20.32	20.33	0.0001	23.16	22.09	15650
NCL3250	FEX5YR8HR	19.11	19.22	0.0001	161.47	170.19	132948
NCL3270	FEX5YR8HR	19.11	19.29	0.0001	22.27	22.09	1736
NCL3280	FEX5YR8HR	0.00	19.34	0.0000	21.18	20.56	999
NCL3290	FEX5YR8HR	20.16	19.64	0.0000	19.05	17.92	1659
NCL3300	FEX5YR8HR	0.00	19.62	0.0000	2.60	2.56	982
NCL3310	FEX5YR8HR	20.19	19.64	0.0000	1.59	2.03	759
NCL3330	FEX5YR8HR	20.75	19.77	0.0000	3.20	2.99	437
NCL3350	FEX5YR8HR	20.51	20.48	0.0000	17.62	14.64	31250
NCL3360	FEX5YR8HR	0.00	20.45	0.0000	3.78	2.93	13615
NCL3365	FEX5YR8HR	0.00	20.13	0.0000	13.86	13.61	17669
NCL3370	FEX5YR8HR	20.64	20.88	-0.0001	72.76	68.38	83708
NCL3390	FEX5YR8HR	20.83	20.99	0.0000	66.94	66.53	39226
NCL3410	FEX5YR8HR	20.83	20.99	0.0000	1.89	1.57	476
NCL3430	FEX5YR8HR	20.83	20.99	0.0000	2.65	0.96	3874
NCL3450	FEX5YR8HR	18.92	19.23	0.0007	252.18	194.54	198416
NCL3460	FEX5YR8HR	18.92	19.22	-0.0007	130.61	130.72	2956
NCL3470	FEX5YR8HR	19.11	19.23	0.0001	199.27	153.25	250369
NCL3490	FEX5YR8HR	19.15	19.23	0.0001	88.75	84.36	46081
NCL3510	FEX5YR8HR	20.64	19.65	0.0001	71.81	71.17	18377
NCL3520	FEX5YR8HR	0.00	19.37	0.0000	163.36	163.44	20130
NCL3530	FEX5YR8HR	20.66	20.51	0.0000	94.65	92.65	57320
NCL3550	FEX5YR8HR	20.66	20.51	0.0000	3.50	1.42	736
NCL3570	FEX5YR8HR	20.66	20.52	0.0000	2.10	0.93	623
NCL3590	FEX5YR8HR	20.66	20.58	0.0000	2.16	0.90	4792
NCL3610	FEX5YR8HR	20.66	20.51	0.0001	18.85	17.50	1245
NCL3630	FEX5YR8HR	20.64	20.50	0.0001	152.18	148.20	107264
NCL3635	FEX5YR8HR	0.00	20.50	0.0001	13.88	11.87	1803
NCL3640	FEX5YR8HR	0.00	20.51	0.0001	17.97	14.71	26222
NCL3650	FEX5YR8HR	18.92	19.22	0.0000	3.44	3.62	500
NCL3670	FEX5YR8HR	18.92	19.22	0.0000	6.62	16.27	58745
NCL3690	FEX5YR8HR	18.92	19.23	0.0003	194.54	194.15	3204
NCL3730	FEX5YR8HR	18.92	19.23	0.0000	281.52	103.42	139812
NCL3740	FEX5YR8HR	0.00	19.23	0.0000	62.81	50.71	39597
NCL3750	FEX5YR8HR	18.93	18.95	0.0001	107.77	66.96	190963

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL3770	FEX5YR8HR	18.93	18.95	0.0001	38.68	22.60	87879
NCL4000	FEX5YR8HR	0.00	29.69	0.0000	27.87	27.86	5149
NCL4010	FEX5YR8HR	0.00	29.39	0.0000	21.42	21.35	12670
NCypEast	FEX5YR8HR	32.00	29.00	0.0000	5.98	0.00	0
NCypWest	FEX5YR8HR	32.00	29.93	0.0000	0.00	0.00	0
NOC0010	FEX5YR8HR	2.00	2.00	0.0000	369.24	15.15	0
NOC0030	FEX5YR8HR	1.14	2.20	0.0192	369.37	369.24	504
NOC0050	FEX5YR8HR	1.20	2.32	-0.0168	340.16	340.31	530
NOC0070	FEX5YR8HR	1.45	2.80	-0.0067	333.02	332.72	516
NOC0090	FEX5YR8HR	2.91	3.04	0.0036	125.61	125.74	446
NOC0110	FEX5YR8HR	1.65	2.84	-0.0049	196.93	197.29	455
NOC0130	FEX5YR8HR	3.06	3.24	0.0016	196.91	196.93	528
NOC0150	FEX5YR8HR	3.08	3.25	0.0000	1.94	1.94	499
NOC0170	FEX5YR8HR	4.56	4.69	0.0000	8.39	8.39	1219
NOC0190	FEX5YR8HR	5.09	3.87	-0.0004	195.12	194.99	1077
NOC0210	FEX5YR8HR	5.68	4.36	-0.0001	16.62	16.53	781
NOC0230	FEX5YR8HR	5.12	3.89	-0.0001	5.38	5.57	742
NOC0250	FEX5YR8HR	5.30	4.05	0.0000	5.43	5.38	984
NOC0270	FEX5YR8HR	5.57	4.27	0.0000	3.03	2.94	675
NOC0290	FEX5YR8HR	5.11	3.94	-0.0004	213.82	213.93	1836
NOC0310	FEX5YR8HR	5.27	4.06	-0.0003	38.94	38.92	450
NOC0330	FEX5YR8HR	5.85	4.18	-0.0001	174.90	174.91	2431
NOC0350	FEX5YR8HR	5.89	4.37	0.0001	123.21	123.06	1837
NOC0370	FEX5YR8HR	6.47	5.60	-0.0001	81.86	81.93	2022
NOC0390	FEX5YR8HR	6.60	5.71	-0.0001	49.40	49.63	2171
NOC0410	FEX5YR8HR	6.95	6.12	0.0000	41.95	41.71	2501
NOC0430	FEX5YR8HR	7.01	6.30	0.0000	28.69	29.51	1806
NOC0450	FEX5YR8HR	7.62	6.53	0.0000	21.44	23.37	2420
NOC0470	FEX5YR8HR	8.12	7.07	0.0001	11.49	12.51	726
NOC0490	FEX5YR8HR	7.67	6.54	0.0000	3.05	5.29	1052
NRU0010	FEX5YR8HR	2.00	2.00	0.0000	518.17	0.00	0
NRU0030	FEX5YR8HR	2.84	2.75	-0.0002	254.18	254.06	2468
NRU0050	FEX5YR8HR	4.36	4.36	-0.0002	254.10	254.18	2036
NRU0070	FEX5YR8HR	5.61	5.15	-0.0010	254.64	254.10	5884
NRU0090	FEX5YR8HR	5.66	5.36	-0.0001	45.06	43.75	7875
NRU0110	FEX5YR8HR	6.23	5.65	-0.0002	203.90	203.08	6548
NRU0130	FEX5YR8HR	7.66	6.45	-0.0002	187.57	187.05	2616
NRU0150	FEX5YR8HR	7.71	6.48	-0.0005	179.63	179.98	1376
NRU0160	FEX5YR8HR	0.00	13.19	0.0000	152.22	152.22	4959
NRU0165	FEX5YR8HR	0.00	13.28	0.0000	2.62	2.51	474
NRU0170	FEX5YR8HR	14.45	14.90	0.0002	153.45	150.08	14217
NRU0172	FEX5YR8HR	0.00	14.98	0.0000	6.80	6.89	831
NRU0174	FEX5YR8HR	0.00	15.16	0.0000	6.72	6.80	1533
NRU0176	FEX5YR8HR	0.00	15.62	0.0000	6.66	6.72	762
NRU0178	FEX5YR8HR	0.00	16.07	-0.0001	7.13	6.66	959
NRU0180	FEX5YR8HR	0.00	16.21	-0.0001	29.38	23.04	83176
NRU0190	FEX5YR8HR	14.45	15.05	-0.0001	14.27	13.98	517

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0210	FEX5YR8HR	14.45	15.14	0.0000	11.97	11.21	602
NRU0230	FEX5YR8HR	13.39	15.05	-0.0001	12.39	12.13	18332
NRU0250	FEX5YR8HR	14.62	14.92	-0.0001	127.05	125.58	6762
NRU0270	FEX5YR8HR	15.05	15.63	0.0001	114.31	114.22	2616
NRU0290	FEX5YR8HR	16.30	18.08	-0.0002	30.77	24.66	35239
NRU0310	FEX5YR8HR	16.13	16.35	0.0001	96.89	97.11	2502
NRU0330	FEX5YR8HR	18.25	17.63	0.0000	28.80	28.99	1352
NRU0335	FEX5YR8HR	0.00	18.98	0.0000	4.61	4.15	3918
NRU0340	FEX5YR8HR	0.00	18.52	0.0000	44.15	43.91	22623
NRU0343	FEX5YR8HR	0.00	19.26	-0.0001	9.98	8.61	918
NRU0345	FEX5YR8HR	0.00	19.50	-0.0001	33.56	29.34	64656
NRU0350	FEX5YR8HR	19.50	18.94	0.0000	16.17	16.43	4797
NRU0370	FEX5YR8HR	19.51	19.15	0.0000	14.46	15.25	13292
NRU0380	FEX5YR8HR	23.33	19.19	0.0001	7.54	7.79	470
NRU0390	FEX5YR8HR	27.00	19.20	0.0000	9.83	7.54	29130
NRU0410	FEX5YR8HR	19.56	19.30	0.0000	9.45	9.66	1100
NRU0425	FEX5YR8HR	15.53	15.70	0.0000	4.25	3.11	4945
NRU0430	FEX5YR8HR	19.61	19.42	0.0000	9.26	9.45	1077
NRU0450	FEX5YR8HR	19.66	19.55	0.0000	9.09	9.26	1039
NRU0470	FEX5YR8HR	19.72	20.16	0.0000	8.93	9.09	799
NRU0490	FEX5YR8HR	20.36	20.61	0.0001	7.89	7.02	28314
NRU0495	FEX5YR8HR	0.00	21.01	-0.0001	5.27	4.48	10115
NRU0500	FEX5YR8HR	0.00	21.21	0.0000	1.47	1.48	5616
NRU0510	FEX5YR8HR	19.67	20.15	-0.0001	15.65	12.40	63385
NRU0530	FEX5YR8HR	16.95	17.18	0.0001	66.66	66.87	2252
NRU0550	FEX5YR8HR	17.92	18.08	0.0001	70.00	66.66	60486
NRU0570	FEX5YR8HR	18.16	18.26	0.0001	65.11	65.30	1524
NRU0590	FEX5YR8HR	18.51	18.63	0.0001	64.84	65.01	1745
NRU0610	FEX5YR8HR	18.78	18.97	0.0001	64.64	64.80	11123
NRU0612	FEX5YR8HR	0.00	19.04	-0.0001	63.33	63.48	4628
NRU0615	FEX5YR8HR	0.00	19.54	0.0001	9.73	8.47	1945
NRU0616	FEX5YR8HR	0.00	20.16	0.0000	5.11	4.62	7708
NRU0618	FEX5YR8HR	0.00	20.47	0.0000	6.56	6.00	16033
NRU0620	FEX5YR8HR	0.00	19.83	0.0000	14.08	13.33	18602
NRU0630	FEX5YR8HR	18.79	19.11	0.0001	62.90	63.04	8994
NRU0650	FEX5YR8HR	18.79	19.15	0.0001	62.75	62.89	22638
NRU0670	FEX5YR8HR	18.78	19.17	0.0001	62.54	62.68	1429
NRU0690	FEX5YR8HR	18.84	19.20	0.0001	62.28	62.54	28469
NRU0710	FEX5YR8HR	18.86	19.21	0.0001	65.71	62.28	46850
NRU0730	FEX5YR8HR	18.85	19.21	0.0001	19.35	17.25	41294
NRU0740	FEX5YR8HR	0.00	19.21	0.0001	63.97	60.73	34026
NRU0745	FEX5YR8HR	0.00	19.21	0.0001	58.42	58.23	49543
NRU0750	FEX5YR8HR	18.87	19.21	0.0001	81.63	53.59	245347
NRU0770	FEX5YR8HR	18.88	19.22	-0.0001	30.21	30.20	1008
NRU0785	FEX5YR8HR	0.00	19.22	0.0001	91.23	77.94	61733
NRU0790	FEX5YR8HR	18.88	19.22	0.0001	136.38	106.81	140986
NRU0810	FEX5YR8HR	18.88	19.22	-0.0001	20.22	16.76	10746

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0820	FEX5YR8HR	0.00	19.21	0.0003	5.65	2.70	442
NRU0830	FEX5YR8HR	18.99	19.22	-0.0001	48.79	42.25	37572
NRU0850	FEX5YR8HR	19.11	19.22	-0.0002	59.44	59.33	1188
NRU0870	FEX5YR8HR	19.32	19.23	-0.0007	16.67	17.19	560
NRU0890	FEX5YR8HR	19.35	19.23	0.0000	39.60	20.13	68906
NRU0910	FEX5YR8HR	19.35	19.23	0.0000	1.07	0.96	571
NRU0930	FEX5YR8HR	19.35	19.44	0.0000	1.10	1.07	1742
NRU0950	FEX5YR8HR	19.11	19.23	0.0000	63.98	55.36	36874
NRU0955	FEX5YR8HR	0.00	19.23	0.0000	80.42	65.80	56131
NRU0960	FEX5YR8HR	0.00	19.23	0.0000	104.02	99.71	39877
NRU0965	FEX5YR8HR	0.00	19.23	0.0000	118.95	112.83	87515
NRU0970	FEX5YR8HR	19.34	19.23	0.0000	21.72	12.12	81738
NRU0980	FEX5YR8HR	0.00	19.23	0.0007	12.89	8.47	1097
NRU0990	FEX5YR8HR	19.39	19.23	0.0004	30.66	34.86	440
NRU1010	FEX5YR8HR	19.70	19.23	-0.0001	30.99	30.66	27412
NRU1015	FEX5YR8HR	0.00	19.45	0.0000	14.34	11.40	14782
NRU1020	FEX5YR8HR	0.00	20.36	-0.0060	10.57	61.12	866
NRU1025	FEX5YR8HR	0.00	20.00	0.0000	9.76	9.60	724
NRU1030	FEX5YR8HR	19.70	19.23	0.0001	43.09	35.68	119410
NRU1035	FEX5YR8HR	0.00	19.42	0.0000	2.72	2.49	436
NRU1037	FEX5YR8HR	0.00	19.24	0.0000	1.09	0.91	643
NRU1040	FEX5YR8HR	0.00	19.23	-0.0001	32.99	28.03	64886
NRU1045	FEX5YR8HR	0.00	20.42	-0.0001	8.68	7.84	6840
NRU1046	FEX5YR8HR	0.00	20.40	0.0060	7.84	7.27	958
NRU1050	FEX5YR8HR	19.70	19.23	0.0000	36.85	32.24	90379
NRU1070	FEX5YR8HR	19.83	19.24	0.0000	13.75	12.89	18374
NRU1090	FEX5YR8HR	18.86	19.22	0.0001	12.37	13.23	919
NRU1110	FEX5YR8HR	18.86	19.22	0.0001	33.75	23.15	79713
NRU1130	FEX5YR8HR	18.86	19.22	0.0001	9.02	8.28	772
NRU1150	FEX5YR8HR	18.86	19.22	0.0001	26.73	22.13	78380
NRU1170	FEX5YR8HR	18.86	19.22	0.0001	18.79	17.97	47207
NRU1182	FEX5YR8HR	0.00	19.21	0.0001	8.84	8.56	9329
NRU1184	FEX5YR8HR	0.00	19.21	0.0001	11.29	11.23	873
NRU1185	FEX5YR8HR	0.00	19.18	0.0000	7.44	4.66	35541
NRU1186	FEX5YR8HR	0.00	19.22	0.0001	4.72	4.30	791
NRU1188	FEX5YR8HR	0.00	19.21	0.0000	12.94	6.08	52358
NRU1190	FEX5YR8HR	18.86	19.23	0.0001	4.25	3.25	576
NRU1210	FEX5YR8HR	18.86	19.24	0.0001	7.95	7.06	907
NRU1220	FEX5YR8HR	0.00	20.09	0.0000	9.51	7.33	17127
NRU1225	FEX5YR8HR	0.00	20.70	0.0000	2.36	2.28	436
NRU1230	FEX5YR8HR	18.88	19.21	-0.0001	11.52	10.45	879
NRU1232	FEX5YR8HR	0.00	19.21	0.0001	8.57	8.35	866
NRU1234	FEX5YR8HR	0.00	19.21	0.0001	20.78	20.59	13481
NRU1240	FEX5YR8HR	0.00	19.21	0.0001	16.09	16.19	11930
NRU1250	FEX5YR8HR	4.07	4.32	-0.0005	264.38	264.37	2104
NRU1270	FEX5YR8HR	4.78	4.94	0.0001	262.24	262.22	1667
NRU1290	FEX5YR8HR	5.41	5.53	0.0001	254.36	254.40	3103

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1310	FEX5YR8HR	6.42	6.46	0.0000	254.34	254.36	5052
NRU1330	FEX5YR8HR	8.29	8.20	0.0000	282.03	281.95	3357
NRU1350	FEX5YR8HR	9.32	9.23	0.0000	279.18	279.16	2409
NRU1370	FEX5YR8HR	11.03	10.88	0.0000	275.76	275.72	5323
NRU1390	FEX5YR8HR	11.84	11.57	0.0000	34.29	34.02	1238
NRU1410	FEX5YR8HR	12.56	12.29	0.0000	232.78	233.14	7463
NRU1430	FEX5YR8HR	15.53	15.70	-0.0001	37.37	30.34	38800
NRU1450	FEX5YR8HR	15.94	15.94	0.0000	22.58	22.41	3702
NRU1470	FEX5YR8HR	15.97	15.97	0.0000	4.98	5.10	981
NRU1490	FEX5YR8HR	16.09	16.09	0.0000	5.08	4.98	2107
NRU1510	FEX5YR8HR	15.12	14.68	0.0000	172.90	173.61	10594
NRU1530	FEX5YR8HR	15.71	15.40	0.0000	73.52	73.85	3221
NRU1550	FEX5YR8HR	15.40	15.33	0.0000	60.23	60.22	1678
NRU1570	FEX5YR8HR	16.20	16.29	0.0000	45.86	45.69	1398
NRU1590	FEX5YR8HR	16.40	16.42	0.0000	4.36	4.19	1257
NRU1610	FEX5YR8HR	16.56	16.77	0.0000	39.69	38.82	1573
NRU1630	FEX5YR8HR	16.69	16.96	0.0000	33.41	33.53	1538
NRU1650	FEX5YR8HR	16.84	17.14	0.0000	33.30	33.41	8009
NRU1670	FEX5YR8HR	16.89	17.21	0.0000	34.17	31.52	107995
NRU1690	FEX5YR8HR	16.89	17.20	0.0000	32.01	31.84	2563
NRU1710	FEX5YR8HR	16.60	17.06	0.0000	28.74	28.56	1426
NRU1730	FEX5YR8HR	16.58	17.04	0.0000	60.49	26.17	136941
NRU1750	FEX5YR8HR	16.58	17.04	0.0002	14.53	16.90	720
NRU1770	FEX5YR8HR	16.58	17.05	0.0000	18.46	18.37	3248
NRU1790	FEX5YR8HR	17.21	17.06	0.0000	4.98	4.91	1129
NRU1810	FEX5YR8HR	16.58	17.04	0.0000	7.54	3.51	18769
NRU1830	FEX5YR8HR	17.12	17.06	0.0000	11.95	11.89	1562
NRU1850	FEX5YR8HR	17.07	17.36	0.0000	21.68	21.55	1087
NRU1870	FEX5YR8HR	17.20	17.48	0.0000	21.81	21.68	908
NRU1890	FEX5YR8HR	17.38	17.62	0.0000	27.43	21.81	18021
NRU1910	FEX5YR8HR	17.71	17.73	0.0001	11.09	10.71	2764
NRU1930	FEX5YR8HR	15.71	15.41	0.0000	50.40	53.09	16223
NRU1950	FEX5YR8HR	16.43	15.97	0.0000	48.45	48.54	1645
NRU1970	FEX5YR8HR	16.86	16.31	0.0000	48.36	48.45	1037
NRU1990	FEX5YR8HR	17.09	16.50	0.0000	48.28	48.36	1719
NRU2010	FEX5YR8HR	18.02	17.49	0.0000	11.43	11.50	1363
NRU2030	FEX5YR8HR	18.39	17.95	0.0001	8.94	8.26	5592
NRU2050	FEX5YR8HR	18.40	17.97	-0.0001	2.42	2.98	453
NRU2070	FEX5YR8HR	18.41	18.00	0.0000	2.44	2.42	594
NRU2090	FEX5YR8HR	17.16	16.56	0.0000	34.04	34.15	983
NRU2110	FEX5YR8HR	17.28	16.66	0.0000	32.71	32.66	1563
NRU2130	FEX5YR8HR	17.49	16.87	0.0000	32.91	32.88	1850
NRU2150	FEX5YR8HR	17.69	17.08	0.0000	5.17	4.79	1667
NRU2170	FEX5YR8HR	17.07	16.94	0.0000	3.08	3.23	774
NRU2190	FEX5YR8HR	17.08	16.98	0.0000	5.91	3.08	26919
NRU2210	FEX5YR8HR	17.33	16.86	-0.0001	2.27	1.83	538
NRU2230	FEX5YR8HR	17.33	16.45	0.0000	9.56	0.30	77991

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU2250	FEX5YR8HR	17.31	16.45	0.0000	1.74	1.12	11119
NRU2270	FEX5YR8HR	17.61	16.96	0.0000	27.57	27.54	1283
NRU2290	FEX5YR8HR	17.67	17.00	0.0000	19.96	20.07	1150
NRU2310	FEX5YR8HR	17.68	17.02	0.0000	14.40	14.50	1271
NRU2330	FEX5YR8HR	17.68	17.02	0.0002	32.78	7.44	756
NRU2350	FEX5YR8HR	17.68	17.02	-0.0001	3.80	30.12	654
NRU2370	FEX5YR8HR	17.37	16.76	0.0000	3.57	3.80	528
NRU2390	FEX5YR8HR	17.36	16.77	0.0000	5.33	3.57	32234
NRU2410	FEX5YR8HR	17.72	17.05	0.0000	6.69	6.80	1098
NRU2430	FEX5YR8HR	17.83	17.07	0.0000	5.72	5.83	925
NRU2450	FEX5YR8HR	18.06	17.08	0.0000	2.12	1.15	588
NRU2470	FEX5YR8HR	15.72	15.40	0.0000	4.66	3.53	1614
NRU2490	FEX5YR8HR	15.75	15.41	0.0000	4.69	4.34	1418
NRU2510	FEX5YR8HR	15.75	15.41	0.0000	4.34	2.73	945
NRU2530	FEX5YR8HR	15.76	15.41	0.0000	2.73	0.21	582
NRU2550	FEX5YR8HR	16.53	15.38	0.0000	49.25	48.55	2426
NRU2570	FEX5YR8HR	17.71	16.57	0.0000	42.27	41.59	1979
NRU2590	FEX5YR8HR	18.30	17.55	0.0000	33.16	33.59	1454
NRU2610	FEX5YR8HR	18.62	18.23	0.0000	32.05	32.48	2865
NRU2630	FEX5YR8HR	19.41	19.14	-0.0001	27.78	27.31	30223
NRU2650	FEX5YR8HR	19.54	19.62	-0.0001	21.19	18.70	27054
NRU2670	FEX5YR8HR	16.64	16.61	0.0000	21.78	21.73	2044
NRU2690	FEX5YR8HR	17.09	17.19	-0.0001	113.99	76.00	231012
NSH02	FEX5YR8HR	0.00	20.68	-0.0001	7.17	6.96	2123
NSH03	FEX5YR8HR	0.00	20.16	0.0000	0.19	0.11	548
NSH04	FEX5YR8HR	0.00	17.87	0.0000	62.96	62.43	4614
NSH05	FEX5YR8HR	0.00	19.38	-0.0030	3.69	3.62	1481
NSH07	FEX5YR8HR	0.00	8.15	-0.0001	23.08	22.39	7411
NSH08	FEX5YR8HR	0.00	7.32	0.0000	12.84	12.78	1929
NSH09	FEX5YR8HR	0.00	10.43	-0.0001	40.32	38.27	9664
NSH10	FEX5YR8HR	0.00	19.01	0.0000	11.90	11.81	22879
NSH11	FEX5YR8HR	0.00	21.03	0.0000	4.07	4.05	6072
NSH12	FEX5YR8HR	0.00	19.07	0.0000	4.10	4.08	7146
NSH13	FEX5YR8HR	0.00	17.90	0.0000	15.58	15.42	18544
NSH14	FEX5YR8HR	0.00	17.77	0.0000	6.03	6.00	10576
NSH15	FEX5YR8HR	0.00	18.67	0.0000	3.06	3.06	5521
NSH17	FEX5YR8HR	0.00	17.16	0.0000	14.68	14.66	8185
NSH18	FEX5YR8HR	0.00	15.74	0.0000	13.83	13.81	8836
NSH19	FEX5YR8HR	0.00	11.55	0.0000	11.37	11.33	10048
NSH20	FEX5YR8HR	0.00	20.16	0.0000	1.81	1.78	10642
NSH21	FEX5YR8HR	0.00	10.97	-0.0001	9.57	7.63	6739
NSH22	FEX5YR8HR	0.00	14.14	0.0000	21.56	21.49	6782
NSH23	FEX5YR8HR	0.00	18.11	0.0000	5.51	5.50	2655
NSH24	FEX5YR8HR	0.00	14.14	0.0000	14.56	14.49	6242
NSH25	FEX5YR8HR	0.00	13.96	-0.0001	10.04	9.91	9426
NSH26	FEX5YR8HR	0.00	13.84	0.0000	54.63	53.72	53655
NSH27	FEX5YR8HR	0.00	12.92	0.0000	12.64	9.58	35567

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSH27A	FEX5YR8HR	0.00	12.83	0.0000	17.49	16.98	921
NSH27AA	FEX5YR8HR	0.00	12.87	0.0000	4.49	4.51	551
NSH27B	FEX5YR8HR	0.00	11.50	-0.0001	16.98	18.53	1033
NSH27C	FEX5YR8HR	0.00	9.20	0.0001	18.53	17.35	1037
NSH28	FEX5YR8HR	0.00	9.45	0.0000	7.95	6.70	8502
NSH29	FEX5YR8HR	0.00	7.43	-0.0001	5.86	11.85	648
NSH31	FEX5YR8HR	0.00	9.43	0.0000	5.46	4.27	480
NSH33	FEX5YR8HR	0.00	16.60	0.0000	2.98	2.96	4727
NSH34	FEX5YR8HR	0.00	9.20	0.0001	31.42	31.40	3114
NSH35	FEX5YR8HR	0.00	7.90	0.0000	24.13	24.11	3037
NSH36	FEX5YR8HR	0.00	7.87	0.0002	21.83	21.62	804
NSH37	FEX5YR8HR	0.00	17.99	0.0000	8.44	8.43	6612
NSH41	FEX5YR8HR	0.00	18.91	0.0000	2.45	2.45	436
NSH42	FEX5YR8HR	0.00	3.31	0.0001	44.10	44.09	447
NSH43	FEX5YR8HR	0.00	3.57	-0.0001	27.96	28.34	507
NSH44	FEX5YR8HR	0.00	9.53	-0.0001	33.94	33.94	670
NSH45	FEX5YR8HR	0.00	16.30	0.0000	29.33	29.02	19014
NSH48	FEX5YR8HR	0.00	18.15	0.0000	7.81	7.81	2646
NSH49	FEX5YR8HR	0.00	20.67	0.0000	8.97	8.86	12694
NSH50	FEX5YR8HR	0.00	18.36	0.0002	27.50	22.43	2530
NSH51	FEX5YR8HR	0.00	18.25	0.0000	16.41	15.46	952
NSH52	FEX5YR8HR	0.00	18.23	0.0000	56.77	56.32	2069
NSH53	FEX5YR8HR	0.00	18.24	-0.0001	15.46	14.67	1023
NSH54	FEX5YR8HR	0.00	18.09	0.0000	57.84	57.42	1343
NSH55	FEX5YR8HR	0.00	18.72	-0.0001	36.10	36.43	7891
NSH56	FEX5YR8HR	0.00	18.90	0.0000	28.37	28.51	5631
NSH57	FEX5YR8HR	0.00	19.21	-0.0001	27.77	28.37	5707
NSH60	FEX5YR8HR	0.00	18.42	0.0000	7.66	7.58	436
NSH61	FEX5YR8HR	0.00	18.36	-0.0002	6.74	14.53	444
NSH65	FEX5YR8HR	0.00	19.96	0.0000	1.63	1.55	436
NSH75	FEX5YR8HR	0.00	4.18	0.0000	27.93	27.27	5529
NSH80	FEX5YR8HR	0.00	20.20	0.0000	2.10	2.01	9607
NSH81	FEX5YR8HR	0.00	20.29	0.0000	0.19	0.00	1742
NSH82	FEX5YR8HR	0.00	20.80	0.0000	1.04	0.14	5297
NSH83	FEX5YR8HR	0.00	20.54	0.0000	10.50	10.36	12413
NSR0000	FEX5YR8HR	2.00	2.00	0.0000	265.09	16.63	0
NSR0005	FEX5YR8HR	2.00	2.00	0.0000	3.87	0.00	0
NSR0010	FEX5YR8HR	2.00	2.00	0.0000	352.46	0.00	0
NSR0030	FEX5YR8HR	2.92	3.09	0.0000	362.83	352.46	216796
NSR0032	FEX5YR8HR	4.88	5.00	0.0000	6.44	4.21	18434
NSR0034	FEX5YR8HR	3.63	3.59	0.0000	37.11	36.50	13686
NSR0050	FEX5YR8HR	3.44	3.58	0.0000	331.11	323.35	86846
NSR0070	FEX5YR8HR	3.45	3.58	0.0001	18.94	18.38	27456
NSR0090	FEX5YR8HR	3.68	3.63	0.0000	18.59	18.07	7488
NSR0100	FEX5YR8HR	2.25	2.23	0.0000	3.87	3.87	524
NSR0102	FEX5YR8HR	4.24	4.28	0.0000	2.59	2.54	2188
NSR0105	FEX5YR8HR	1.91	2.71	0.0338	265.15	265.09	484

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0110	FEX5YR8HR	3.93	4.01	0.0000	10.59	10.40	2013
NSR0112	FEX5YR8HR	2.31	3.03	-0.0474	263.82	263.80	457
NSR0115	FEX5YR8HR	4.25	4.30	0.0000	1.32	1.30	7177
NSR0120	FEX5YR8HR	2.62	3.28	-0.0235	261.22	261.29	479
NSR0130	FEX5YR8HR	4.16	4.21	0.0000	6.12	5.60	4024
NSR0135	FEX5YR8HR	4.22	4.26	0.0000	2.10	2.01	438
NSR0140	FEX5YR8HR	3.28	3.82	-0.0078	258.38	258.37	477
NSR0150	FEX5YR8HR	3.64	3.80	0.0002	312.24	311.69	28856
NSR0160	FEX5YR8HR	3.56	4.04	-0.0056	256.09	256.15	1813
NSR0165	FEX5YR8HR	4.03	4.04	0.0000	1.81	1.67	440
NSR0170	FEX5YR8HR	3.70	3.84	0.0000	3.37	2.87	1907
NSR0180	FEX5YR8HR	3.83	3.94	0.0000	3.82	3.35	2784
NSR0190	FEX5YR8HR	4.04	3.87	-0.0001	14.09	13.85	2181
NSR0210	FEX5YR8HR	4.26	3.90	-0.0001	13.06	12.41	2873
NSR0230	FEX5YR8HR	4.26	3.91	0.0000	12.67	11.25	9079
NSR0250	FEX5YR8HR	3.93	4.05	0.0067	296.38	296.13	12764
NSR0270	FEX5YR8HR	3.98	4.12	0.0000	59.01	58.77	15055
NSR0280	FEX5YR8HR	5.41	5.71	0.0006	213.23	212.05	20556
NSR0281	FEX5YR8HR	5.97	6.28	0.0004	208.91	208.26	10641
NSR0290	FEX5YR8HR	6.70	6.64	-0.0005	70.47	69.05	17707
NSR0310	FEX5YR8HR	9.28	9.24	0.0000	59.57	59.01	63300
NSR0330	FEX5YR8HR	9.65	9.56	0.0001	6.43	6.44	470
NSR0350	FEX5YR8HR	10.32	10.16	0.0001	6.47	6.43	446
NSR0370	FEX5YR8HR	10.35	10.23	0.0000	7.09	6.47	5787
NSR0390	FEX5YR8HR	11.96	12.07	0.0000	27.23	25.79	20158
NSR0410	FEX5YR8HR	12.27	12.30	0.0000	6.89	7.11	510
NSR0430	FEX5YR8HR	12.28	12.32	0.0000	5.86	6.89	17196
NSR0450	FEX5YR8HR	13.04	13.73	-0.0001	20.10	19.59	2380
NSR0470	FEX5YR8HR	13.10	13.88	0.0000	13.52	13.38	1156
NSR0490	FEX5YR8HR	4.41	4.52	0.0067	127.73	127.57	16572
NSR0510	FEX5YR8HR	4.48	4.66	0.0011	61.69	61.86	12190
NSR0530	FEX5YR8HR	4.55	4.70	0.0000	6.28	5.77	4344
NSR0540	FEX5YR8HR	4.55	4.83	0.0002	57.71	55.62	63791
NSR0550	FEX5YR8HR	4.56	4.85	-0.0015	306.20	305.87	10236
NSR0560	FEX5YR8HR	4.66	4.89	0.0003	95.80	99.85	51464
NSR0570	FEX5YR8HR	5.28	5.36	0.0001	87.67	88.85	48066
NSR0580	FEX5YR8HR	6.13	6.22	-0.0001	12.36	10.21	71478
NSR0590	FEX5YR8HR	6.15	6.26	-0.0001	84.12	83.82	35056
NSR0610	FEX5YR8HR	6.26	6.33	-0.0001	36.24	32.42	49774
NSR0630	FEX5YR8HR	6.26	6.33	0.0000	16.42	16.49	475
NSR0650	FEX5YR8HR	6.25	6.32	0.0000	37.57	23.35	154819
NSR0660	FEX5YR8HR	6.13	6.22	-0.0001	28.43	10.26	62428
NSR0670	FEX5YR8HR	6.24	6.31	-0.0001	7.52	8.46	520
NSR0680	FEX5YR8HR	6.14	6.22	-0.0001	11.16	6.94	109460
NSR0690	FEX5YR8HR	6.24	6.30	0.0000	6.94	7.52	599
NSR0710	FEX5YR8HR	6.23	6.29	0.0000	6.85	6.94	861
NSR0730	FEX5YR8HR	6.29	6.36	0.0000	110.50	97.69	143632

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0770	FEX5YR8HR	6.81	6.97	0.0001	92.23	91.56	8768
NSR0780	FEX5YR8HR	6.74	6.74	0.0000	7.72	7.21	14091
NSR0790	FEX5YR8HR	8.35	8.95	-0.0003	300.34	290.76	25896
NSR0791	FEX5YR8HR	7.13	7.59	-0.0002	201.51	201.48	5596
NSR0809	FEX5YR8HR	12.76	10.02	0.0004	70.82	94.11	2124
NSR0810	FEX5YR8HR	13.45	13.40	-0.0002	133.34	132.77	59873
NSR0830	FEX5YR8HR	15.10	15.15	-0.0001	135.04	130.88	118412
NSR0840	FEX5YR8HR	16.09	16.07	0.0000	21.20	21.37	33520
NSR0850	FEX5YR8HR	15.64	15.69	-0.0003	94.74	91.40	71651
NSR0860	FEX5YR8HR	16.41	16.39	0.0000	5.30	5.34	6118
NSR0869	FEX5YR8HR	16.03	16.07	0.0001	30.00	29.87	1505
NSR0870	FEX5YR8HR	16.24	16.27	0.0001	60.53	60.36	27426
NSR0880	FEX5YR8HR	16.24	16.28	0.0000	19.78	19.70	9172
NSR0881	FEX5YR8HR	14.14	15.75	0.0004	236.93	237.39	13396
NSR0890	FEX5YR8HR	4.02	4.13	-0.1165	250.99	257.38	39064
NSR0910	FEX5YR8HR	4.79	4.87	0.0031	181.74	182.63	19664
NSR0930	FEX5YR8HR	5.54	5.75	0.0000	73.82	28.37	236130
NSR0950	FEX5YR8HR	5.63	5.76	-0.0004	204.50	203.86	28475
NSR0970	FEX5YR8HR	6.14	6.20	-0.0002	138.12	138.28	3616
NSR0990	FEX5YR8HR	6.27	6.32	-0.0001	175.15	175.20	4244
NSR1010	FEX5YR8HR	6.30	6.35	0.0000	33.22	32.67	10241
NSR1030	FEX5YR8HR	8.54	8.58	-0.0001	142.69	142.54	9336
NSR1050	FEX5YR8HR	8.56	8.60	0.0000	40.47	39.07	21781
NSR1070	FEX5YR8HR	9.58	9.59	-0.0002	176.78	176.00	23383
NSR1090	FEX5YR8HR	11.30	11.39	0.0002	144.58	144.63	8165
NSR1110	FEX5YR8HR	11.57	11.55	0.0000	1.43	1.43	2841
NSR1130	FEX5YR8HR	11.29	11.33	0.0000	17.43	17.43	14456
NSR1150	FEX5YR8HR	11.39	11.44	0.0000	3.54	3.19	7475
NSR1170	FEX5YR8HR	11.38	11.43	0.0000	3.19	2.70	451
NSR1190	FEX5YR8HR	12.70	13.07	0.0000	143.34	143.34	13251
NSR1210	FEX5YR8HR	12.70	13.08	0.0000	15.63	8.05	72506
NSR1230	FEX5YR8HR	14.76	15.10	0.0000	140.59	140.55	9597
NSR1270	FEX5YR8HR	14.99	15.31	0.0000	140.65	140.59	6276
NSR1290	FEX5YR8HR	14.99	15.31	0.0000	5.55	2.67	21915
NSR1310	FEX5YR8HR	14.99	15.31	0.0000	15.24	10.35	74133
NSR1330	FEX5YR8HR	15.44	15.86	0.0000	137.47	136.56	22440
NSR1350	FEX5YR8HR	15.45	15.87	0.0000	22.76	18.11	90218
NSR1370	FEX5YR8HR	15.56	15.97	0.0000	127.41	125.09	21929
NSR1390	FEX5YR8HR	15.56	15.97	0.0000	2.01	1.82	4233
NSR1410	FEX5YR8HR	15.56	15.97	-0.0001	18.43	17.70	16956
NSR1430	FEX5YR8HR	15.76	16.08	0.0000	37.93	34.95	29606
NSR1450	FEX5YR8HR	15.74	16.08	0.0000	48.68	33.56	88840
NSR1470	FEX5YR8HR	15.96	16.11	0.0000	36.91	34.67	32174
NSR1490	FEX5YR8HR	16.21	16.22	0.0000	38.66	31.37	119490
NSR1510	FEX5YR8HR	16.21	16.22	0.0000	23.39	22.81	27106
NSR1530	FEX5YR8HR	15.56	15.97	0.0000	3.01	2.12	8195
NSR1550	FEX5YR8HR	15.68	16.07	0.0001	123.03	117.93	33612

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR1570	FEX5YR8HR	15.68	16.07	0.0000	2.11	1.62	34037
NSR1590	FEX5YR8HR	15.68	16.07	-0.0001	36.72	41.08	27062
NSR1610	FEX5YR8HR	15.75	16.13	0.0000	13.25	12.02	15353
NSR1630	FEX5YR8HR	15.75	16.13	0.0000	88.89	82.25	19964
NSR1650	FEX5YR8HR	16.39	17.06	0.0000	1.70	1.70	436
NSR1670	FEX5YR8HR	15.92	16.32	0.0001	33.83	29.00	29403
NSR1690	FEX5YR8HR	16.24	16.65	0.0000	79.99	72.96	21428
NSR1710	FEX5YR8HR	16.25	16.65	0.0000	4.33	4.22	6058
NSR1730	FEX5YR8HR	16.32	16.71	0.0000	79.52	75.66	10091
NSR1750	FEX5YR8HR	16.68	16.72	0.0000	1.78	1.78	511
NSR1770	FEX5YR8HR	17.23	17.37	0.0000	20.38	14.97	19146
NSR1790	FEX5YR8HR	17.24	17.37	0.0000	21.24	15.02	32738
NSR1810	FEX5YR8HR	17.25	17.38	0.0000	8.30	7.39	12722
NSR1830	FEX5YR8HR	17.25	17.37	0.0000	34.75	31.02	83556
NSR1850	FEX5YR8HR	16.95	17.22	0.0000	7.21	7.81	13408
NSR1870	FEX5YR8HR	16.93	17.22	0.0001	24.04	21.90	60180
NSR1890	FEX5YR8HR	16.05	17.21	0.0000	13.20	13.46	1056
NSR1910	FEX5YR8HR	15.45	17.20	0.0002	47.17	39.90	40991
NSR1930	FEX5YR8HR	16.53	16.90	0.0000	60.52	60.28	2803
NSR1950	FEX5YR8HR	16.70	16.97	0.0000	18.58	18.24	6298
NSR1970	FEX5YR8HR	16.84	17.16	0.0000	22.01	18.91	37369
NSR1990	FEX5YR8HR	16.86	17.11	0.0000	9.81	9.20	949
NSR2010	FEX5YR8HR	16.91	17.08	0.0000	10.65	9.81	30340
NSR2030	FEX5YR8HR	16.90	17.01	0.0000	8.05	8.05	751
NSR2050	FEX5YR8HR	16.88	16.89	0.0000	11.45	10.96	15489
NSR2070	FEX5YR8HR	16.81	16.82	0.0000	6.17	6.17	782
NSR2090	FEX5YR8HR	16.72	16.72	0.0000	6.17	6.17	697
NSR2110	FEX5YR8HR	16.54	16.53	0.0000	12.53	12.45	14548
NSR2130	FEX5YR8HR	16.50	16.49	0.0000	9.82	9.53	88744
NSR2150	FEX5YR8HR	17.60	17.15	0.0000	45.61	44.11	154303
NSR2170	FEX5YR8HR	17.62	17.24	0.0001	29.61	29.47	2088
NSR2190	FEX5YR8HR	17.62	17.27	0.0000	29.74	29.61	967
NSR2210	FEX5YR8HR	17.62	17.33	0.0000	34.39	27.32	89311
NSR2230	FEX5YR8HR	17.62	17.30	0.0000	18.98	18.60	675
NSR2250	FEX5YR8HR	17.63	17.34	0.0000	19.48	18.98	11155
NSR2270	FEX5YR8HR	17.63	17.34	0.0000	20.19	18.46	21940
NSR2290	FEX5YR8HR	17.63	17.35	0.0001	16.01	15.74	888
NSR2310	FEX5YR8HR	17.63	17.36	0.0000	16.33	16.01	16724
NSR2330	FEX5YR8HR	17.65	17.74	0.0000	14.33	12.08	26629
NSR2350	FEX5YR8HR	17.65	17.75	0.0000	13.22	9.84	31855
NSR2370	FEX5YR8HR	16.66	16.92	0.0000	18.38	15.80	9676
NSR2390	FEX5YR8HR	18.07	17.99	0.0000	6.98	3.25	58993
NSR2410	FEX5YR8HR	16.66	16.92	0.0000	23.21	17.57	18388
NSR2430	FEX5YR8HR	17.99	17.96	0.0000	1.56	1.55	2318
NSR2450	FEX5YR8HR	18.06	17.99	0.0000	20.74	20.69	12032
NSR3000	FEX5YR8HR	17.04	17.22	-0.0727	4.55	49.45	1399
NSR3005	FEX5YR8HR	17.02	17.22	0.1453	49.45	3.50	566

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR3020	FEX5YR8HR	17.61	17.68	-0.0001	22.15	22.04	61473
NSR3040	FEX5YR8HR	16.25	16.29	0.0000	45.76	45.55	31495
NSR3060	FEX5YR8HR	16.21	16.22	-0.0001	17.91	16.78	41932
NSW0010	FEX5YR8HR	2.00	2.00	0.0000	16.53	0.00	0
NSW0030	FEX5YR8HR	2.13	2.36	0.0003	16.53	16.53	587
NSW0050	FEX5YR8HR	4.04	3.09	-0.0001	16.56	16.53	959
Outfall	FEX5YR8HR	2.00	2.00	0.0000	51.94	0.00	0
Outfall_NE	FEX5YR8HR	21.00	20.99	0.0018	8.26	0.00	0
PondA	FEX5YR8HR	0.00	20.16	0.0000	12.47	3.92	67464
PondB	FEX5YR8HR	0.00	16.86	0.0000	121.40	91.30	117808
SH_OUTFALL	FEX5YR8HR	2.00	2.00	0.0000	180.38	0.00	0
STORAGE1	FEX5YR8HR	0.00	19.77	0.0000	2.99	1.38	7405
STORAGE10	FEX5YR8HR	0.00	19.96	0.0000	1.55	0.00	9148
STORAGE11	FEX5YR8HR	0.00	20.68	0.0000	6.96	0.01	18648
STORAGE12	FEX5YR8HR	0.00	20.36	0.0002	56.90	5.91	10262
STORAGE13	FEX5YR8HR	0.00	19.42	0.0000	2.49	0.73	5323
STORAGE14	FEX5YR8HR	0.00	20.70	0.0000	2.28	0.00	13395
STORAGE2	FEX5YR8HR	0.00	19.22	0.0001	16.27	3.32	18426
STORAGE4	FEX5YR8HR	0.00	19.24	0.0001	47.60	4.04	12088
STORAGE5	FEX5YR8HR	0.00	21.05	0.0000	13.69	3.05	19945
STORAGE8	FEX5YR8HR	0.00	19.20	0.0000	2.70	1.34	6098
STORAGE9	FEX5YR8HR	0.00	18.42	0.0000	5.32	1.05	11761
Sevilla1	FEX5YR8HR	1.20	2.09	0.0000	0.02	0.03	804
Sevilla2	FEX5YR8HR	1.23	2.05	0.0000	0.01	0.01	609
Sevilla3	FEX5YR8HR	1.20	2.09	0.0000	0.06	0.09	1339
Sevilla4	FEX5YR8HR	1.20	2.09	0.0000	0.11	0.15	1450
Shmrck2	FEX5YR8HR	1.11	2.05	-0.0001	51.98	51.94	5389
Shmrck1.1	FEX5YR8HR	1.38	2.16	0.0001	51.91	51.94	6206
Shmrck1.2	FEX5YR8HR	1.20	2.09	-0.0001	51.94	51.98	3971
V3	FEX5YR8HR	6.53	6.53	0.0000	0.00	0.00	436
BC_N02	FEXMilton	0.00	18.00	0.0000	46.02	0.00	0
Church1	FEXMilton	8.77	10.66	0.0000	0.68	0.41	533
Church2	FEXMilton	8.77	10.66	0.0000	9.99	9.92	4390
Clark1	FEXMilton	7.21	8.27	0.0000	0.54	0.57	743
Clark2	FEXMilton	7.21	8.27	-0.0001	67.52	69.00	22818
DM1	FEXMilton	11.42	12.12	0.0000	10.17	10.19	1417
DM2	FEXMilton	10.30	11.00	0.0000	10.19	10.08	2201
DM3	FEXMilton	9.16	10.71	0.0000	10.08	9.99	2967
E_Outlet	FEXMilton	0.00	16.23	-0.0006	218.75	2.07	0
E_Outlet2	FEXMilton	0.00	17.00	0.0000	159.20	0.00	0
EIP_Hes.1	FEXMilton	1.99	4.30	0.0000	1.50	1.30	763
EIP_con.1	FEXMilton	2.18	4.59	0.0007	101.27	107.00	4221
EIPrad.1	FEXMilton	1.99	4.30	0.0000	0.68	0.44	632
G1	FEXMilton	14.98	16.24	-0.0046	149.64	109.11	37910
G10	FEXMilton	8.77	10.62	-0.0001	67.53	67.52	4600
G2	FEXMilton	14.99	16.19	-0.0002	47.47	47.60	32965
G3	FEXMilton	14.86	16.17	-0.0010	156.60	156.39	27815

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
G4	FEXMilton	12.82	15.15	-0.0001	156.39	156.33	57231
G5	FEXMilton	11.69	14.03	-0.0003	100.70	100.24	46586
G6	FEXMilton	11.00	9.24	0.0000	14.97	0.00	0
G7	FEXMilton	11.00	12.47	0.0000	72.67	72.70	3601
G8	FEXMilton	10.07	11.42	0.0000	59.49	59.07	2143
G9	FEXMilton	9.41	10.90	0.0000	59.07	58.65	1353
H1	FEXMilton	1.99	5.37	-0.0002	45.69	45.64	16515
H2.1	FEXMilton	1.99	4.30	0.0010	146.85	150.29	6108
Hubert	FEXMilton	3.16	5.41	-0.0001	68.81	73.96	13136
JUNCT1	FEXMilton	0.00	19.03	0.0000	6.80	6.79	4359
JUNCT10	FEXMilton	0.00	22.07	0.0000	51.31	51.23	10612
JUNCT2	FEXMilton	0.00	14.30	0.0000	23.26	23.25	2512
JUNCT3	FEXMilton	0.00	20.44	0.0000	32.52	32.34	14609
JUNCT4	FEXMilton	0.00	13.67	0.0000	5.49	5.49	5541
JUNCT6	FEXMilton	0.00	18.46	-0.0079	1385.78	1675.72	10295
JUNCT7	FEXMilton	0.00	20.63	0.0044	376.07	422.96	8395
JUNCT7B	FEXMilton	0.00	20.63	-0.0003	100.51	89.07	18410
JUNCT8	FEXMilton	0.00	20.63	0.0015	199.63	149.87	11640
JUNCT8B	FEXMilton	0.00	20.63	0.0003	149.87	146.13	26056
JUNCT9	FEXMilton	0.00	29.51	0.0000	48.49	48.51	9415
L1	FEXMilton	11.53	12.08	0.0000	55.62	55.58	51697
L2	FEXMilton	11.63	11.78	0.0000	13.17	13.16	41892
L3	FEXMilton	10.43	10.72	0.0000	34.49	34.41	43595
L4	FEXMilton	8.43	8.67	0.0000	17.02	16.97	50837
L5	FEXMilton	7.63	7.78	0.0000	7.39	7.37	43662
L6	FEXMilton	6.93	7.04	0.0000	3.33	3.31	43812
Lois	FEXMilton	4.82	5.94	-0.0001	69.00	68.81	6808
M1	FEXMilton	2.58	6.68	0.0002	65.89	65.87	24863
M1.1	FEXMilton	6.33	7.05	0.0000	65.96	65.89	35218
M1.2	FEXMilton	7.03	7.43	0.0000	48.64	48.58	28583
M1.3	FEXMilton	7.13	7.73	0.0000	42.41	42.37	28488
M2	FEXMilton	2.58	6.20	-0.0002	79.49	79.07	60686
M3	FEXMilton	2.58	5.88	-0.0005	80.91	79.54	39412
M4	FEXMilton	2.58	5.71	-0.0007	80.45	79.95	53060
M5.1	FEXMilton	2.57	5.12	0.0005	101.76	101.32	6163
M6	FEXMilton	2.58	5.12	0.0001	1.64	0.69	558
Marjory_Pump	FEXMilton	0.00	41.34	0.0102	3.62	3.52	496
N01	FEXMilton	0.00	20.86	0.0000	19.97	19.04	37228
N01A	FEXMilton	0.00	20.84	0.0001	5.71	5.71	437
N02	FEXMilton	0.00	18.97	-0.0002	73.85	71.03	74276
N03	FEXMilton	0.00	20.11	-0.0001	43.94	43.47	29746
N04	FEXMilton	0.00	20.13	-0.0001	21.58	18.05	25676
N05	FEXMilton	0.00	18.91	0.0000	95.17	95.05	4393
N06	FEXMilton	0.00	17.98	-0.0002	85.70	85.76	3292
N07A	FEXMilton	0.00	17.53	-0.0001	86.10	86.15	4248
N08A	FEXMilton	0.00	16.16	0.0002	146.85	146.10	31036

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
N09	FEXMilton	0.00	14.10	0.0000	31.72	31.71	2164
N09A	FEXMilton	0.00	13.55	0.0005	143.67	143.68	1361
N10	FEXMilton	2.00	1.90	0.0003	362.78	1.23	0
N11	FEXMilton	0.00	18.13	-0.0004	234.58	218.75	599302
NBB0010	FEXMilton	2.00	1.90	0.0009	140.71	1.98	0
NBB0030	FEXMilton	5.03	7.25	-0.0658	140.72	140.71	6478
NBB0050	FEXMilton	9.15	13.07	-0.0003	181.65	140.72	108727
NBB0070	FEXMilton	11.30	13.94	-0.0001	110.18	109.70	2588
NBB0090	FEXMilton	12.67	14.10	-0.0001	114.87	114.74	3019
NBB0110	FEXMilton	13.46	15.31	-0.0001	106.94	106.92	1986
NBB0130	FEXMilton	15.26	16.76	-0.0004	42.22	39.53	49225
NBB0150	FEXMilton	14.01	15.79	-0.0001	76.67	76.79	1934
NBB0170	FEXMilton	14.74	16.47	-0.0001	76.56	76.67	1453
NBB0190	FEXMilton	15.42	17.14	-0.0001	76.46	76.56	78340
NBB0210	FEXMilton	15.70	17.16	0.0001	75.82	75.91	1556
NBB0230	FEXMilton	16.02	17.18	-0.0001	75.74	75.82	11179
NBB0250	FEXMilton	16.31	17.57	0.0000	75.50	75.58	2036
NBB0270	FEXMilton	17.05	18.13	0.0001	73.48	75.50	44321
NBB0290	FEXMilton	17.06	18.14	-0.0001	55.29	56.18	1258
NBB0310	FEXMilton	17.07	18.14	-0.0001	160.41	117.32	625438
NBB0330	FEXMilton	16.57	17.41	-0.0001	43.24	40.10	49892
NBB0350	FEXMilton	16.45	17.41	0.0002	27.79	28.54	1397
NBB0370	FEXMilton	16.33	17.40	-0.0001	66.90	61.83	81741
NBB0390	FEXMilton	16.32	17.40	-0.0001	20.80	21.40	1834
NBB0410	FEXMilton	16.30	17.40	-0.0002	60.34	56.46	70059
NBB0430	FEXMilton	15.45	16.25	-0.0002	125.83	164.97	64099
NBW0010	FEXMilton	2.00	1.82	0.0004	1006.60	15.06	0
NBW0030	FEXMilton	3.39	5.12	-0.0124	1006.79	1006.60	75886
NBW0050	FEXMilton	3.92	5.48	0.0000	99.57	97.76	71608
NBW0070	FEXMilton	3.57	5.57	-0.0002	340.46	519.20	82221
NBW0090	FEXMilton	3.66	5.42	0.0000	60.82	62.59	54670
NBW0130	FEXMilton	3.73	5.67	0.0000	364.91	366.53	14687
NBW0150	FEXMilton	3.93	5.47	-0.0001	57.81	57.99	25349
NBW0170	FEXMilton	3.98	5.45	0.0001	58.99	59.43	54142
NBW0190	FEXMilton	3.89	5.80	-0.0001	364.37	364.91	5985
NBW0210	FEXMilton	6.25	6.26	0.0000	6.41	6.36	5138
NBW0230	FEXMilton	4.01	6.18	0.0001	363.68	364.42	9090
NBW0250	FEXMilton	4.88	7.05	0.0000	361.65	361.86	5687
NBW0270	FEXMilton	5.49	7.21	0.0000	98.33	97.33	75384
NBW0290	FEXMilton	5.91	7.21	0.0000	32.28	28.95	118953
NBW0310	FEXMilton	6.38	7.41	0.0000	14.62	10.40	42218
NBW0330	FEXMilton	5.50	7.50	0.0000	349.92	350.05	24909
NBW0350	FEXMilton	4.97	6.18	0.0000	7.16	6.76	24591
NBW0370	FEXMilton	5.52	7.51	-0.0001	5.57	6.95	24460
NBW0390	FEXMilton	5.52	7.51	-0.0001	8.84	5.57	80333
NBW0410	FEXMilton	5.54	7.67	0.0001	348.48	348.63	3446
NBW0430	FEXMilton	5.89	8.13	0.0000	6.47	4.97	67542

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW0450	FEXMilton	5.89	8.13	-0.0001	349.01	348.48	12762
NBW0470	FEXMilton	5.89	8.13	0.0000	4.82	3.90	53451
NBW0490	FEXMilton	5.92	8.29	-0.0001	347.93	347.76	3147
NBW0510	FEXMilton	6.72	8.29	0.0000	5.37	4.26	41943
NBW0530	FEXMilton	6.22	8.69	-0.0001	348.63	348.69	4801
NBW0550	FEXMilton	6.72	10.13	0.0000	328.06	351.83	439662
NBW0570	FEXMilton	7.09	10.10	0.0000	200.71	168.10	202490
NBW0590	FEXMilton	10.03	10.22	-0.0001	325.74	328.00	86118
NBW0610	FEXMilton	6.45	8.92	0.0000	319.39	319.20	11358
NBW0630	FEXMilton	6.22	8.69	0.0000	14.17	9.29	94129
NBW0650	FEXMilton	6.66	10.09	0.0001	332.90	321.49	24044
NBW0670	FEXMilton	6.66	10.09	0.0000	12.16	6.67	43638
NBW0690	FEXMilton	6.71	10.11	0.0001	298.35	296.37	12508
NBW0710	FEXMilton	6.71	10.11	0.0000	22.28	17.21	135559
NBW0730	FEXMilton	6.72	10.12	-0.0001	321.60	291.85	344865
NBW0750	FEXMilton	7.06	10.13	0.0001	334.57	326.44	163396
NBW0770	FEXMilton	7.06	10.13	-0.0002	23.32	15.60	40281
NBW0790	FEXMilton	8.11	10.13	0.0000	20.61	20.22	33309
NBW0810	FEXMilton	7.06	10.13	0.0001	46.99	33.41	85090
NBW0830	FEXMilton	8.41	10.13	0.0001	31.28	30.85	19101
NBW0850	FEXMilton	10.17	10.14	0.0000	29.80	29.08	21446
NBW0870	FEXMilton	7.06	10.15	0.0000	390.83	345.90	341731
NBW0890	FEXMilton	7.06	10.13	-0.0003	18.94	19.88	1027
NBW0910	FEXMilton	7.06	10.14	0.0001	340.21	325.83	190970
NBW0930	FEXMilton	8.03	9.94	0.0001	40.72	40.66	1301
NBW0950	FEXMilton	8.82	9.66	-0.0001	78.77	72.51	220087
NBW0970	FEXMilton	8.82	9.66	0.0003	41.38	43.21	41784
NBW0990	FEXMilton	8.82	9.66	-0.0005	18.90	18.79	785
NBW1010	FEXMilton	8.83	9.67	-0.0001	39.38	39.30	3311
NBW1030	FEXMilton	9.19	11.71	0.0000	51.68	45.58	82080
NBW1050	FEXMilton	9.30	11.71	0.0001	18.09	17.86	900
NBW1070	FEXMilton	9.34	11.71	0.0000	424.51	427.06	76554
NBW1090	FEXMilton	3.78	5.52	-0.0001	442.94	437.58	21533
NBW1130	FEXMilton	4.51	5.53	0.0000	206.73	206.53	34924
NBW1150	FEXMilton	4.53	5.61	-0.0001	225.78	225.09	73018
NBW1169	FEXMilton	4.09	5.65	0.0000	424.31	421.51	24370
NBW1170	FEXMilton	4.30	5.78	-0.0001	418.57	416.61	10063
NBW1190	FEXMilton	6.13	6.84	-0.0001	72.02	68.62	78436
NBW1210	FEXMilton	7.17	7.74	-0.0002	282.04	280.02	166255
NBW1230	FEXMilton	7.17	7.78	-0.0001	274.04	268.75	238118
NBW1250	FEXMilton	4.74	6.30	-0.0001	377.93	375.84	8635
NBW1270	FEXMilton	6.14	6.84	-0.0001	31.77	31.02	54626
NBW1310	FEXMilton	5.21	6.48	0.0002	392.58	356.40	8702
NBW1330	FEXMilton	7.56	8.82	0.0029	314.33	350.73	3096
NBW1350	FEXMilton	10.95	11.61	-0.0002	27.19	26.97	12605
NBW1351	FEXMilton	8.89	11.06	0.0002	308.24	307.68	28656
NBW1352	FEXMilton	9.96	12.95	-0.0008	302.86	302.85	7956

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW1353	FEXMilton	11.01	14.83	-0.0005	298.36	298.37	8196
NBW1370	FEXMilton	10.02	10.88	-0.0006	199.20	208.75	31096
NBW1390	FEXMilton	15.24	15.52	-0.0002	355.76	355.13	186142
NBW1410	FEXMilton	15.58	15.81	-0.0002	206.22	206.20	31196
NBW1430	FEXMilton	15.79	15.91	-0.0002	184.75	184.55	29355
NBW1450	FEXMilton	16.94	17.09	-0.0003	280.36	279.85	117494
NBW1460	FEXMilton	16.43	16.61	-0.0002	148.33	148.90	4273
NBW1470	FEXMilton	17.14	17.39	-0.0004	317.91	317.10	216831
NBW1480	FEXMilton	18.11	18.17	-0.0001	13.40	13.38	16323
NBW1490	FEXMilton	17.86	18.30	0.0002	216.50	216.31	122483
NBW1510	FEXMilton	18.12	18.67	-0.0002	168.50	168.65	38269
NBW1530	FEXMilton	17.92	18.75	0.0000	12.69	12.23	1219
NBW1550	FEXMilton	17.75	18.86	0.0000	39.45	33.05	57839
NBW1570	FEXMilton	18.21	18.86	-0.0002	167.64	167.78	2604
NBW1590	FEXMilton	18.12	18.65	0.0000	71.24	71.91	23391
NBW1610	FEXMilton	18.13	18.65	0.0000	19.81	19.67	27442
NBW1630	FEXMilton	18.13	18.38	0.0000	30.70	30.70	1815
NBW1650	FEXMilton	18.81	19.74	0.0000	15.38	10.34	52043
NBW1670	FEXMilton	18.89	19.75	0.0000	19.89	15.70	46278
NBW1690	FEXMilton	19.03	19.75	0.0000	13.46	10.95	31215
NBW1710	FEXMilton	19.26	19.75	0.0000	2.07	0.96	998
NBW1730	FEXMilton	18.65	19.65	-0.0003	423.80	420.33	348543
NBW1750	FEXMilton	18.82	19.73	-0.0001	186.15	183.28	91425
NBW1770	FEXMilton	18.82	19.75	0.0000	109.95	101.40	197155
NBW1790	FEXMilton	18.91	19.75	0.0000	19.95	16.26	49256
NBW1820	FEXMilton	18.72	19.45	0.0000	142.74	140.54	189275
NBW1830	FEXMilton	18.74	19.66	0.0000	81.66	81.55	95079
NBW1840	FEXMilton	18.39	19.00	0.0000	168.17	162.19	155050
NBW1850	FEXMilton	18.74	19.70	0.0000	229.62	229.67	161722
NBW1860	FEXMilton	18.39	19.00	-0.0001	34.83	37.99	25214
NBW1870	FEXMilton	18.72	19.46	-0.0001	48.08	48.93	42379
NBW1890	FEXMilton	19.06	20.07	0.0000	67.91	68.09	2613
NBW1910	FEXMilton	19.27	20.31	0.0001	76.30	75.41	16147
NBW1930	FEXMilton	19.27	20.31	0.0000	67.51	67.67	51334
NBW1950	FEXMilton	18.97	19.71	0.0000	2.26	1.90	450
NBW1970	FEXMilton	18.96	19.70	0.0000	9.97	8.76	17819
NBW1990	FEXMilton	19.27	20.22	0.0000	168.07	165.03	186527
NBW2010	FEXMilton	19.65	20.11	-0.0001	32.88	35.07	13512
NBW2030	FEXMilton	19.65	20.10	-0.0001	66.61	64.74	106265
NBW2050	FEXMilton	19.26	20.54	0.0000	125.03	134.37	163689
NBW2060	FEXMilton	0.00	20.53	0.0000	56.81	55.23	99889
NBW2070	FEXMilton	19.26	20.54	0.0000	228.38	225.70	229805
NBW2090	FEXMilton	19.10	20.62	0.0000	69.03	67.26	117125
NBW2110	FEXMilton	18.92	20.62	0.0000	151.20	125.77	256791
NBW2130	FEXMilton	18.92	20.62	-0.0001	25.42	28.89	42699
NBW2140	FEXMilton	20.00	20.62	0.0001	4.34	5.44	609
NBW2145	FEXMilton	0.00	20.62	-0.0003	20.98	18.80	115948

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW2150	FEXMilton	19.26	20.54	-0.0001	135.29	133.95	42308
NBW2170	FEXMilton	19.12	20.54	-0.0012	5.91	11.60	798
NBW2190	FEXMilton	19.10	20.61	0.0000	14.36	13.59	59404
NBW2210	FEXMilton	19.47	20.53	0.0000	32.36	28.68	71296
NBW2230	FEXMilton	19.47	20.53	0.0000	151.21	146.17	134622
NBW2250	FEXMilton	19.51	20.53	0.0000	19.17	19.23	24907
NBW2270	FEXMilton	19.57	20.53	0.0000	35.64	36.28	77909
NBW2290	FEXMilton	19.65	20.53	0.0000	181.74	175.97	285928
NBW2310	FEXMilton	19.82	20.49	-0.0001	204.64	202.64	216631
NBW2330	FEXMilton	19.82	20.49	-0.0001	31.03	29.25	122105
NBW2350	FEXMilton	16.05	16.58	-0.0001	189.67	189.15	78893
NBW2370	FEXMilton	16.11	16.59	-0.0001	32.80	31.48	59950
NBW2380	FEXMilton	12.29	16.60	-0.0004	320.21	318.57	94282
NBW2385	FEXMilton	18.49	18.49	0.0000	3.15	3.14	6475
NBW2387	FEXMilton	16.11	16.60	0.0000	0.46	0.80	478
NBW2390	FEXMilton	16.42	17.99	-0.0001	151.08	152.56	66863
NBW2410	FEXMilton	16.59	18.46	-0.0003	279.24	278.00	186395
NBW2430	FEXMilton	16.23	18.52	-0.0001	407.93	407.42	122539
NBW2450	FEXMilton	16.15	18.61	-0.0002	170.42	171.38	4396
NBW2470	FEXMilton	16.43	18.86	-0.0003	429.09	431.71	47265
NBW2490	FEXMilton	16.90	18.86	-0.0003	67.45	296.70	23666
NBW2510	FEXMilton	17.74	18.85	-0.0001	66.09	66.83	9481
NBW2530	FEXMilton	17.92	18.75	-0.0001	64.60	65.35	2010
NBW2550	FEXMilton	17.95	18.73	-0.0001	1.33	3.11	450
NBW2570	FEXMilton	17.96	18.72	0.0000	2.59	2.54	12396
NBW2590	FEXMilton	18.06	18.69	0.0001	52.69	53.16	1098
NBW2610	FEXMilton	17.00	18.98	-0.0009	491.11	489.04	138575
NBW2630	FEXMilton	17.98	18.98	0.0000	154.62	142.35	43713
NBW2650	FEXMilton	16.97	18.96	-0.0004	28.93	32.26	47512
NBW2670	FEXMilton	16.42	18.95	-0.0001	36.33	31.47	51571
NBW2680	FEXMilton	17.73	18.59	-0.0002	202.28	202.15	27897
NBW2690	FEXMilton	15.40	18.38	-0.0002	412.11	410.93	118863
NBW2710	FEXMilton	17.73	18.61	-0.0001	1.60	2.59	540
NBW2730	FEXMilton	18.29	18.68	0.0000	1.70	1.52	5945
NBW2770	FEXMilton	18.09	18.99	0.0001	13.32	13.37	1310
NBW2775	FEXMilton	6.59	7.44	0.0000	89.31	89.43	81154
NBW2780	FEXMilton	18.38	18.95	-0.0001	200.96	199.25	205171
NBW2790	FEXMilton	18.38	18.99	-0.0001	258.62	257.64	179052
NBW2810	FEXMilton	18.39	19.00	-0.0002	88.07	85.58	88775
NBW2830	FEXMilton	18.40	19.00	-0.0001	53.13	39.68	210612
NC01	FEXMilton	0.00	6.21	0.0001	32.38	32.36	4584
NC01B	FEXMilton	0.00	5.90	0.0000	22.65	22.64	6172
NC02	FEXMilton	0.00	8.96	-0.0003	172.46	172.46	11736
NC03	FEXMilton	0.00	4.96	-0.0671	199.17	199.14	15357
NC04	FEXMilton	0.00	3.92	-0.0357	114.45	112.75	47731
NC05	FEXMilton	0.00	3.89	-0.0352	119.42	118.38	60193
NC06	FEXMilton	0.00	3.84	-0.0371	126.07	125.85	25875

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NC07	FEXMilton	0.00	3.83	-0.0351	111.16	111.14	24251
NC08	FEXMilton	0.00	3.79	-0.0346	123.56	123.51	17791
NCL0010	FEXMilton	2.00	1.82	0.0004	580.32	8.99	0
NCL0030	FEXMilton	2.36	2.39	-0.0861	489.89	461.16	7619
NCL0050	FEXMilton	2.36	2.39	-0.0002	1.31	8.55	590
NCL0070	FEXMilton	5.20	5.45	-0.0001	133.93	133.78	49262
NCL0090	FEXMilton	6.06	6.17	-0.0001	47.66	43.75	75756
NCL0110	FEXMilton	3.04	2.86	0.0015	670.26	657.38	7710
NCL0130	FEXMilton	4.05	2.97	-0.0005	124.93	124.99	3232
NCL0150	FEXMilton	4.95	3.80	-0.0004	124.93	124.93	3131
NCL0170	FEXMilton	5.08	3.95	-0.0002	87.08	87.19	1705
NCL0190	FEXMilton	5.08	3.95	-0.0003	1.55	2.96	571
NCL0210	FEXMilton	5.85	4.57	-0.0002	104.12	104.34	1485
NCL0230	FEXMilton	6.60	6.81	-0.0003	41.09	34.80	35923
NCL0250	FEXMilton	6.60	6.82	0.0001	2.94	1.94	567
NCL0270	FEXMilton	6.60	6.82	0.0001	3.15	3.06	2028
NCL0290	FEXMilton	5.90	4.78	-0.0003	66.88	66.95	1049
NCL0310	FEXMilton	6.10	5.71	-0.0004	70.26	70.31	1207
NCL0330	FEXMilton	5.95	5.69	-0.0003	6.73	6.71	5442
NCL0350	FEXMilton	6.60	6.82	0.0002	115.52	95.57	71068
NCL0370	FEXMilton	7.36	7.53	0.0001	89.41	88.86	19561
NCL0390	FEXMilton	4.02	3.94	0.0036	512.43	560.34	4340
NCL0410	FEXMilton	4.09	3.98	-0.0002	4.64	5.56	897
NCL0430	FEXMilton	4.23	4.02	-0.0001	3.83	3.72	639
NCL0450	FEXMilton	4.75	4.77	-0.0031	498.34	511.85	3676
NCL0470	FEXMilton	5.43	5.53	-0.0025	493.74	493.92	3437
NCL0490	FEXMilton	6.48	6.77	-0.0040	548.19	558.43	41894
NCL0510	FEXMilton	6.67	6.87	-0.0005	27.90	27.81	1168
NCL0530	FEXMilton	8.10	7.78	0.0003	40.46	17.58	1175
NCL0550	FEXMilton	8.17	7.82	-0.0001	19.68	40.46	11397
NCL0570	FEXMilton	8.66	7.97	0.0001	10.04	9.88	839
NCL0590	FEXMilton	7.00	7.47	0.0015	515.43	515.54	7143
NCL0610	FEXMilton	7.52	8.18	0.0008	507.32	507.39	3640
NCL0630	FEXMilton	8.06	9.07	0.0008	503.89	504.08	8217
NCL0650	FEXMilton	8.12	9.12	-0.0003	49.28	102.61	1613
NCL0670	FEXMilton	8.67	9.65	-0.0007	121.46	49.28	1692
NCL0690	FEXMilton	8.76	9.66	0.0006	25.13	35.14	605
NCL0710	FEXMilton	8.95	9.67	0.0002	25.47	24.85	600
NCL0730	FEXMilton	9.26	9.69	-0.0002	26.31	25.47	554
NCL0750	FEXMilton	9.56	9.71	0.0000	91.29	87.03	54126
NCL0770	FEXMilton	10.12	10.17	0.0000	53.92	53.90	2178
NCL0790	FEXMilton	8.69	9.70	-0.0005	43.66	101.59	895
NCL0810	FEXMilton	8.84	10.05	0.0000	45.36	43.66	33877
NCL0830	FEXMilton	8.93	10.39	0.0010	398.50	397.22	59464
NCL0850	FEXMilton	9.01	10.40	0.0002	77.11	69.88	39963
NCL0870	FEXMilton	9.37	10.45	-0.0007	100.94	100.79	2022
NCL0890	FEXMilton	9.65	10.49	-0.0011	78.82	78.67	1587

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL0910	FEXMilton	9.71	10.44	0.0001	17.18	16.79	18721
NCL0930	FEXMilton	9.57	10.66	-0.0001	86.75	86.42	3987
NCL0950	FEXMilton	9.89	10.80	-0.0001	84.28	84.10	3221
NCL0970	FEXMilton	10.41	11.05	0.0000	36.20	36.16	2258
NCL0990	FEXMilton	11.00	11.40	0.0000	30.83	30.74	3525
NCL1010	FEXMilton	11.14	11.53	0.0000	6.56	6.54	638
NCL1030	FEXMilton	9.67	10.49	-0.0002	26.42	32.09	1743
NCL1050	FEXMilton	10.46	10.50	0.0001	4.61	4.36	5263
NCL1070	FEXMilton	9.30	11.79	0.0000	4.25	4.24	621
NCL1090	FEXMilton	9.76	11.81	0.0000	11.70	6.83	36111
NCL1110	FEXMilton	9.85	11.66	0.0000	23.85	20.19	53040
NCL1130	FEXMilton	9.76	11.81	0.0000	36.61	27.52	130668
NCL1150	FEXMilton	9.76	11.81	0.0001	825.91	811.69	309399
NCL1170	FEXMilton	10.59	12.89	0.0008	400.72	399.39	171623
NCL1190	FEXMilton	10.72	13.25	-0.0001	87.20	87.22	1850
NCL1210	FEXMilton	10.63	12.91	-0.0001	18.91	24.88	59164
NCL1230	FEXMilton	10.94	13.72	-0.0001	87.19	87.20	1432
NCL1250	FEXMilton	11.11	13.99	-0.0001	87.17	87.19	1231
NCL1270	FEXMilton	11.34	14.31	-0.0001	190.41	146.33	199816
NCL1290	FEXMilton	13.06	14.35	0.0000	158.10	152.57	39667
NCL1310	FEXMilton	14.77	15.60	0.0001	149.66	148.74	47592
NCL1330	FEXMilton	10.60	12.89	-0.0002	480.93	468.95	95438
NCL1350	FEXMilton	10.63	12.90	0.0001	441.57	434.98	72627
NCL1370	FEXMilton	10.63	12.94	0.0001	288.13	285.77	23537
NCL1390	FEXMilton	10.63	14.30	0.0000	62.99	54.61	35887
NCL1410	FEXMilton	10.63	14.30	0.0002	61.20	61.69	10467
NCL1430	FEXMilton	10.70	12.91	-0.0009	503.65	458.39	277569
NCL1450	FEXMilton	10.93	13.37	-0.0010	411.76	411.61	3036
NCL1470	FEXMilton	12.72	14.80	-0.0001	337.59	337.35	4450
NCL1490	FEXMilton	14.45	14.82	0.0000	3.68	3.57	745
NCL1510	FEXMilton	11.06	13.34	0.0004	43.80	72.41	20591
NCL1530	FEXMilton	12.54	13.32	-0.0002	123.87	123.77	24507
NCL1550	FEXMilton	13.13	13.58	-0.0002	36.63	36.56	1023
NCL1570	FEXMilton	13.31	13.65	0.0000	3.40	3.36	505
NCL1590	FEXMilton	13.70	13.69	0.0000	1.52	1.51	1307
NCL1610	FEXMilton	13.37	13.67	0.0000	1.94	1.89	468
NCL1630	FEXMilton	13.57	13.77	0.0002	91.01	90.99	2758
NCL1650	FEXMilton	13.68	14.02	-0.0001	97.86	97.85	1957
NCL1670	FEXMilton	14.02	15.26	0.0000	252.31	252.26	18716
NCL1690	FEXMilton	17.47	17.95	0.0000	68.35	68.19	7002
NCL1710	FEXMilton	17.89	18.23	-0.0001	64.83	64.96	3522
NCL1730	FEXMilton	18.27	19.59	0.0002	294.47	294.22	54252
NCL1750	FEXMilton	18.24	19.43	-0.0002	33.90	33.91	513
NCL1770	FEXMilton	18.07	18.24	-0.0001	46.17	46.17	3136
NCL1790	FEXMilton	15.78	16.76	0.0001	334.25	334.05	5863
NCL1810	FEXMilton	18.13	18.16	0.0000	38.41	36.92	23691
NCL1830	FEXMilton	18.39	18.74	0.0001	317.89	317.83	6250

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL1850	FEXMilton	18.50	18.90	-0.0002	69.42	79.05	910
NCL1870	FEXMilton	19.01	19.66	-0.0001	69.47	69.42	995
NCL1890	FEXMilton	19.15	19.85	-0.0004	69.61	69.56	981
NCL1910	FEXMilton	19.15	19.85	0.0000	2.21	1.64	534
NCL1930	FEXMilton	19.91	19.98	0.0000	3.09	3.00	1369
NCL1950	FEXMilton	19.15	19.85	0.0000	0.22	0.39	508
NCL1970	FEXMilton	21.67	21.64	0.0000	1.70	1.70	3104
NCL1990	FEXMilton	19.58	20.47	-0.0002	69.67	69.61	918
NCL2010	FEXMilton	19.74	20.51	0.0000	29.99	29.90	1104
NCL2030	FEXMilton	19.76	19.98	-0.0001	24.10	23.53	42771
NCL2050	FEXMilton	19.76	20.56	0.0000	28.25	27.59	1411
NCL2070	FEXMilton	19.76	19.98	-0.0001	7.76	8.65	1202
NCL2090	FEXMilton	19.87	20.98	0.0001	29.40	28.25	1414
NCL2110	FEXMilton	20.03	21.04	-0.0001	21.13	16.39	64486
NCL2130	FEXMilton	19.87	21.03	0.0000	79.92	71.23	162642
NCL2150	FEXMilton	20.75	20.18	0.0002	83.63	285.18	22625
NCL2170	FEXMilton	19.85	21.04	-0.0001	378.77	377.40	130547
NCL2230	FEXMilton	19.13	19.83	0.0000	283.37	281.16	54639
NCL2250	FEXMilton	19.55	20.31	0.0002	269.06	263.45	4444
NCL2270	FEXMilton	20.05	20.87	0.0000	284.46	283.72	53747
NCL2290	FEXMilton	19.88	21.04	0.0000	7.23	7.20	31909
NCL2310	FEXMilton	20.45	20.98	0.0000	96.08	95.80	1780
NCL2330	FEXMilton	20.74	21.05	0.0000	103.40	96.08	88774
NCL2350	FEXMilton	20.78	21.07	0.0000	91.44	90.48	5512
NCL2370	FEXMilton	20.81	21.08	-0.0001	89.21	88.75	2298
NCL2390	FEXMilton	20.84	21.08	0.0000	84.24	78.96	108706
NCL2410	FEXMilton	21.07	21.20	0.0000	30.52	30.15	1380
NCL2430	FEXMilton	21.32	21.34	0.0000	29.12	28.70	1472
NCL2450	FEXMilton	21.25	21.28	0.0000	4.97	4.92	493
NCL2470	FEXMilton	20.93	21.11	0.0000	15.98	15.84	846
NCL2490	FEXMilton	21.54	21.39	0.0000	26.14	25.74	1524
NCL2510	FEXMilton	21.70	21.40	0.0000	127.45	127.65	94493
NCL2530	FEXMilton	21.70	21.40	0.0000	55.38	55.50	46508
NCL2540	FEXMilton	0.00	22.08	-0.0001	80.17	79.52	46360
NCL2550	FEXMilton	21.70	21.39	0.0000	66.10	66.15	15937
NCL2570	FEXMilton	21.51	21.36	0.0001	13.19	12.68	1503
NCL2580	FEXMilton	0.00	21.35	-0.0001	120.31	119.64	33947
NCL2590	FEXMilton	21.17	21.35	0.0000	202.33	200.65	137196
NCL2610	FEXMilton	21.14	21.34	0.0000	139.07	138.97	29788
NCL2630	FEXMilton	20.86	20.98	0.0000	84.53	83.24	51309
NCL2631	FEXMilton	0.00	20.78	0.0001	75.74	74.45	45069
NCL2650	FEXMilton	21.17	21.16	0.0000	46.68	43.25	54456
NCL2670	FEXMilton	21.93	21.91	-0.0001	127.11	151.21	31388
NCL2690	FEXMilton	21.96	22.04	0.0000	71.58	75.73	28199
NCL2710	FEXMilton	21.96	22.26	0.0000	60.03	58.33	54703
NCL2730	FEXMilton	21.95	22.53	0.0000	40.35	39.84	8423
NCL2750	FEXMilton	21.84	22.98	0.0000	106.96	106.29	33593

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL2770	FEXMilton	21.71	22.41	-0.0001	29.48	29.49	1389
NCL2780	FEXMilton	0.00	22.25	0.0001	23.99	22.72	26931
NCL2790	FEXMilton	21.84	22.26	0.0000	139.94	136.84	118016
NCL2810	FEXMilton	22.11	22.76	-0.0001	86.51	86.28	21880
NCL2830	FEXMilton	23.09	22.85	-0.0001	16.82	16.79	2154
NCL2835	FEXMilton	0.00	23.78	0.0000	7.49	7.35	1091
NCL2840	FEXMilton	0.00	23.73	0.0000	86.74	86.64	24050
NCL2845	FEXMilton	0.00	24.27	0.0000	48.06	47.99	15574
NCL2850	FEXMilton	20.82	21.11	0.0000	17.11	17.22	1361
NCL2870	FEXMilton	20.83	21.11	-0.0001	16.01	16.15	1246
NCL2890	FEXMilton	20.83	21.12	0.0000	15.89	16.01	21538
NCL2910	FEXMilton	20.83	21.11	0.0000	73.27	73.14	43452
NCL2930	FEXMilton	19.55	20.34	-0.0003	230.36	231.17	30022
NCL2950	FEXMilton	19.53	20.34	0.0000	210.08	210.18	34019
NCL2970	FEXMilton	20.49	20.53	0.0001	44.35	43.99	11857
NCL2990	FEXMilton	19.33	20.28	-0.0001	207.58	207.68	12290
NCL3010	FEXMilton	19.35	20.32	0.0000	199.32	199.58	331518
NCL3030	FEXMilton	19.58	20.49	0.0000	199.20	199.30	152124
NCL3050	FEXMilton	19.94	20.51	0.0000	63.55	56.40	92250
NCL3070	FEXMilton	20.14	20.51	0.0000	32.76	29.92	51572
NCL3090	FEXMilton	19.59	20.54	0.0000	198.75	198.79	144942
NCL3110	FEXMilton	19.59	20.54	0.0002	63.70	45.92	175260
NCL3130	FEXMilton	19.59	20.54	-0.0001	21.19	17.23	105854
NCL3150	FEXMilton	19.54	20.54	0.0000	198.59	198.62	101949
NCL3170	FEXMilton	19.71	20.55	0.0000	100.82	97.15	62527
NCL3190	FEXMilton	20.31	20.59	-0.0001	99.29	96.30	139038
NCL3210	FEXMilton	20.32	20.59	-0.0001	69.32	68.05	61771
NCL3230	FEXMilton	20.32	20.59	0.0000	53.29	52.78	26721
NCL3250	FEXMilton	19.11	20.62	0.0001	181.26	198.07	256323
NCL3270	FEXMilton	19.11	20.62	-0.0001	22.63	20.44	25191
NCL3280	FEXMilton	0.00	20.62	0.0000	32.67	28.55	31579
NCL3290	FEXMilton	20.16	20.62	0.0000	31.19	29.66	35331
NCL3300	FEXMilton	0.00	20.63	0.0000	16.84	15.50	22573
NCL3310	FEXMilton	20.19	20.69	-0.0001	2.82	2.71	758
NCL3330	FEXMilton	20.75	20.77	0.0001	3.02	2.97	437
NCL3350	FEXMilton	20.51	20.70	0.0000	35.79	35.31	48731
NCL3360	FEXMilton	0.00	20.70	0.0000	12.72	12.51	21227
NCL3365	FEXMilton	0.00	20.64	0.0000	32.87	29.53	43655
NCL3370	FEXMilton	20.64	21.06	-0.0001	131.16	130.74	97097
NCL3390	FEXMilton	20.83	21.11	0.0000	124.09	124.04	42043
NCL3410	FEXMilton	20.83	21.11	0.0000	1.28	1.32	476
NCL3430	FEXMilton	20.83	21.11	0.0000	1.49	0.92	4476
NCL3450	FEXMilton	18.92	20.62	0.0007	224.06	190.48	261797
NCL3460	FEXMilton	18.92	20.62	-0.0007	130.78	130.89	2956
NCL3470	FEXMilton	19.11	20.62	0.0001	385.20	282.33	432738
NCL3490	FEXMilton	19.15	20.63	-0.0001	74.52	265.00	105097
NCL3510	FEXMilton	20.64	20.63	0.0000	108.58	101.97	46006

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL3520	FEXMilton	0.00	20.63	-0.0002	356.11	466.13	155746
NCL3530	FEXMilton	20.66	20.78	0.0000	160.31	159.48	68887
NCL3550	FEXMilton	20.66	20.79	-0.0001	2.51	1.47	736
NCL3570	FEXMilton	20.66	20.90	-0.0001	1.69	1.42	624
NCL3590	FEXMilton	20.66	20.91	0.0000	1.82	1.44	6650
NCL3610	FEXMilton	20.66	20.78	-0.0001	23.34	23.30	1245
NCL3630	FEXMilton	20.64	20.77	0.0000	266.42	265.97	121443
NCL3635	FEXMilton	0.00	20.77	-0.0001	15.80	14.45	1750
NCL3640	FEXMilton	0.00	20.78	0.0000	33.01	32.76	48183
NCL3650	FEXMilton	18.92	20.62	0.0000	3.68	3.87	502
NCL3670	FEXMilton	18.92	20.62	0.0000	132.46	119.58	110511
NCL3690	FEXMilton	18.92	20.62	-0.0002	103.34	103.68	3204
NCL3730	FEXMilton	18.92	20.62	0.0000	120.83	103.34	154885
NCL3740	FEXMilton	0.00	20.62	0.0002	206.04	32.57	52279
NCL3750	FEXMilton	18.93	19.71	-0.0001	236.85	229.01	301570
NCL3770	FEXMilton	18.93	19.71	-0.0001	23.89	22.90	114721
NCL4000	FEXMilton	0.00	29.79	0.0000	48.51	48.49	7128
NCL4010	FEXMilton	0.00	29.51	0.0000	40.65	40.56	13968
NCypEast	FEXMilton	32.00	29.00	0.0000	10.62	0.00	0
NCypWest	FEXMilton	32.00	29.93	0.0000	0.00	0.00	0
NOC0010	FEXMilton	2.00	1.82	0.0004	538.16	520.83	0
NOC0030	FEXMilton	1.14	2.00	-2.7964	1727.61	1143.19	3873
NOC0050	FEXMilton	1.20	2.00	0.0263	523.32	1207.65	5161
NOC0070	FEXMilton	1.45	2.00	0.0251	42648.20	519.17	4366
NOC0090	FEXMilton	2.91	2.30	0.0059	216.01	215.51	968
NOC0110	FEXMilton	1.65	2.00	-0.0838	318.42	42441.34	1412
NOC0130	FEXMilton	3.06	2.52	-0.0075	280.84	280.86	2699
NOC0150	FEXMilton	3.08	2.53	0.0000	1.97	2.08	540
NOC0170	FEXMilton	4.56	4.69	0.0000	8.58	8.58	1221
NOC0190	FEXMilton	5.09	3.80	0.0008	279.18	279.08	2578
NOC0210	FEXMilton	5.68	4.21	-0.0003	17.08	16.72	1224
NOC0230	FEXMilton	5.12	3.82	-0.0007	5.10	10.34	815
NOC0250	FEXMilton	5.30	3.95	-0.0003	5.36	5.10	998
NOC0270	FEXMilton	5.57	4.14	0.0000	3.13	2.80	680
NOC0290	FEXMilton	5.11	3.98	-0.0011	312.01	312.08	2224
NOC0310	FEXMilton	5.27	4.08	-0.0023	39.24	39.01	520
NOC0330	FEXMilton	5.85	4.56	-0.0020	279.00	278.73	4058
NOC0350	FEXMilton	5.89	4.96	-0.0034	216.09	216.10	3333
NOC0370	FEXMilton	6.47	6.73	-0.0015	173.39	173.58	25801
NOC0390	FEXMilton	6.60	6.82	-0.0015	48.05	46.20	23028
NOC0410	FEXMilton	6.95	6.96	-0.0003	44.06	39.83	28771
NOC0430	FEXMilton	7.01	7.03	0.0000	34.37	33.63	14056
NOC0450	FEXMilton	7.62	7.43	0.0000	29.08	29.00	10560
NOC0470	FEXMilton	8.12	8.04	0.0000	20.40	19.99	20868
NOC0490	FEXMilton	7.67	7.43	-0.0001	3.67	3.64	1051
NRU0010	FEXMilton	2.00	1.90	0.0009	641.83	4.89	0
NRU0030	FEXMilton	2.84	3.48	-0.0875	346.69	346.69	2468

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0050	FEXMilton	4.36	4.98	-0.0002	346.69	346.69	2036
NRU0070	FEXMilton	5.61	6.45	-0.0010	347.33	346.69	21444
NRU0090	FEXMilton	5.66	6.46	-0.0002	69.87	64.85	23774
NRU0110	FEXMilton	6.23	6.71	-0.0002	284.30	284.70	19664
NRU0130	FEXMilton	7.66	8.32	-0.0002	279.25	278.92	2616
NRU0150	FEXMilton	7.71	8.38	-0.0005	276.68	276.98	1317
NRU0160	FEXMilton	0.00	15.60	0.0001	203.20	203.20	4959
NRU0165	FEXMilton	0.00	17.08	0.0000	108.23	108.20	14646
NRU0170	FEXMilton	14.45	18.45	0.0001	365.44	312.08	173548
NRU0172	FEXMilton	0.00	18.45	0.0000	9.30	10.53	830
NRU0174	FEXMilton	0.00	18.47	-0.0001	14.16	9.30	10649
NRU0176	FEXMilton	0.00	16.51	0.0000	65.33	65.33	762
NRU0178	FEXMilton	0.00	18.03	-0.0001	6.54	6.60	958
NRU0180	FEXMilton	0.00	18.47	-0.0001	332.27	329.52	370454
NRU0190	FEXMilton	14.45	18.44	0.0001	63.56	62.65	41505
NRU0210	FEXMilton	14.45	18.13	-0.0001	17.59	13.45	39843
NRU0230	FEXMilton	13.39	15.14	0.0001	23.78	23.76	21377
NRU0250	FEXMilton	14.62	18.45	-0.0004	884.03	399.29	128887
NRU0270	FEXMilton	15.05	18.46	0.0021	1450.49	1248.83	42519
NRU0290	FEXMilton	16.30	19.12	-0.0001	83.49	80.39	109037
NRU0310	FEXMilton	16.13	18.47	0.0001	96.66	96.00	23886
NRU0330	FEXMilton	18.25	18.78	0.0000	26.81	26.80	1352
NRU0335	FEXMilton	0.00	19.34	0.0000	7.06	7.14	14646
NRU0340	FEXMilton	0.00	19.13	0.0000	90.69	85.94	82250
NRU0343	FEXMilton	0.00	19.68	0.0000	7.39	7.25	903
NRU0345	FEXMilton	0.00	19.87	0.0000	78.33	77.50	97415
NRU0350	FEXMilton	19.50	19.78	0.0000	23.37	22.15	55491
NRU0370	FEXMilton	19.51	19.78	0.0000	17.84	16.81	31321
NRU0380	FEXMilton	23.33	20.03	-0.0003	10.95	10.94	470
NRU0390	FEXMilton	27.00	20.06	0.0000	16.29	10.95	39676
NRU0410	FEXMilton	19.56	19.87	0.0000	9.63	10.08	1101
NRU0425	FEXMilton	15.53	16.41	0.0000	2.96	2.87	4982
NRU0430	FEXMilton	19.61	19.94	0.0000	9.21	9.63	1077
NRU0450	FEXMilton	19.66	20.02	0.0000	8.84	9.21	1041
NRU0470	FEXMilton	19.72	20.39	0.0000	8.63	8.84	799
NRU0490	FEXMilton	20.36	20.75	0.0001	12.95	14.04	47032
NRU0495	FEXMilton	0.00	21.16	-0.0001	8.65	8.44	16341
NRU0500	FEXMilton	0.00	21.24	0.0000	2.31	2.26	7259
NRU0510	FEXMilton	19.67	20.38	-0.0001	32.63	31.12	104351
NRU0530	FEXMilton	16.95	18.71	0.0000	77.04	77.39	2252
NRU0550	FEXMilton	17.92	19.00	-0.0001	205.83	202.61	114267
NRU0570	FEXMilton	18.16	19.51	-0.0001	182.79	182.35	37625
NRU0590	FEXMilton	18.51	20.11	0.0000	159.86	159.59	60791
NRU0610	FEXMilton	18.78	20.37	0.0000	159.80	158.28	178542
NRU0612	FEXMilton	0.00	20.40	0.0000	111.32	109.90	130974
NRU0615	FEXMilton	0.00	20.43	0.0000	13.29	13.29	2016
NRU0616	FEXMilton	0.00	20.38	0.0000	7.12	8.01	28532

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0618	FEXMilton	0.00	20.62	0.0000	13.03	13.24	20722
NRU0620	FEXMilton	0.00	20.16	0.0000	35.37	35.41	33903
NRU0630	FEXMilton	18.79	20.52	0.0001	85.79	85.59	115726
NRU0650	FEXMilton	18.79	20.54	0.0000	109.36	107.74	147840
NRU0670	FEXMilton	18.78	20.56	0.0002	67.19	67.27	1429
NRU0690	FEXMilton	18.84	20.60	0.0000	87.92	85.53	127755
NRU0710	FEXMilton	18.86	20.61	0.0000	61.70	64.10	129953
NRU0730	FEXMilton	18.85	20.60	-0.0001	73.49	68.83	227594
NRU0740	FEXMilton	0.00	20.61	0.0000	58.37	61.62	71011
NRU0745	FEXMilton	0.00	20.61	0.0000	53.74	58.37	81610
NRU0750	FEXMilton	18.87	20.61	0.0000	78.43	54.15	359381
NRU0770	FEXMilton	18.88	20.61	0.0002	29.79	30.21	1008
NRU0785	FEXMilton	0.00	20.61	0.0000	138.40	129.91	99467
NRU0790	FEXMilton	18.88	20.62	0.0001	433.51	149.00	236001
NRU0810	FEXMilton	18.88	20.61	-0.0001	33.50	32.55	10759
NRU0820	FEXMilton	0.00	20.61	0.0003	4.02	1.99	442
NRU0830	FEXMilton	18.99	20.62	-0.0005	82.44	430.07	79691
NRU0850	FEXMilton	19.11	20.62	0.0001	46.60	46.52	1188
NRU0870	FEXMilton	19.32	20.62	0.0010	17.57	17.20	560
NRU0890	FEXMilton	19.35	20.62	0.0000	27.33	20.15	97418
NRU0910	FEXMilton	19.35	20.69	0.0001	2.89	1.68	569
NRU0930	FEXMilton	19.35	20.69	0.0000	2.18	2.89	7648
NRU0950	FEXMilton	19.11	20.62	0.0000	73.17	65.78	53174
NRU0955	FEXMilton	0.00	20.62	0.0000	63.23	53.21	84719
NRU0960	FEXMilton	0.00	20.62	0.0000	76.17	70.99	54450
NRU0965	FEXMilton	0.00	20.63	0.0000	169.50	142.38	177319
NRU0970	FEXMilton	19.34	20.62	0.0000	51.42	34.36	105875
NRU0980	FEXMilton	0.00	20.62	0.0007	14.68	9.38	1097
NRU0990	FEXMilton	19.39	20.62	0.0004	24.86	31.34	440
NRU1010	FEXMilton	19.70	20.62	-0.0001	24.66	24.86	54928
NRU1015	FEXMilton	0.00	21.22	-0.0001	17.17	10.13	79953
NRU1020	FEXMilton	0.00	22.05	-0.0060	9.74	36.21	866
NRU1025	FEXMilton	0.00	21.70	-0.0001	9.66	9.61	724
NRU1030	FEXMilton	19.70	20.62	-0.0001	79.78	49.03	183311
NRU1035	FEXMilton	0.00	20.79	-0.0002	3.81	5.84	436
NRU1037	FEXMilton	0.00	20.78	0.0000	2.89	2.80	643
NRU1040	FEXMilton	0.00	20.62	-0.0001	57.34	37.91	119051
NRU1045	FEXMilton	0.00	22.10	-0.0001	12.58	6.31	44921
NRU1046	FEXMilton	0.00	22.07	0.0060	6.31	6.36	936
NRU1050	FEXMilton	19.70	20.62	0.0000	111.21	97.01	241851
NRU1070	FEXMilton	19.83	20.61	0.0000	114.00	113.78	72238
NRU1090	FEXMilton	18.86	20.61	0.0000	13.73	13.58	919
NRU1110	FEXMilton	18.86	20.61	-0.0001	65.25	59.67	98707
NRU1130	FEXMilton	18.86	20.61	-0.0002	7.40	7.22	772
NRU1150	FEXMilton	18.86	20.61	0.0001	69.27	62.31	169801
NRU1170	FEXMilton	18.86	20.61	-0.0002	44.92	17.38	252699
NRU1182	FEXMilton	0.00	20.61	0.0000	9.90	8.50	37470

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1184	FEXMilton	0.00	20.60	0.0000	8.05	8.03	872
NRU1185	FEXMilton	0.00	20.60	0.0000	22.96	18.55	135849
NRU1186	FEXMilton	0.00	20.61	0.0000	4.42	4.19	786
NRU1188	FEXMilton	0.00	20.60	0.0000	14.88	9.59	80150
NRU1190	FEXMilton	18.86	20.61	0.0000	3.22	3.24	576
NRU1210	FEXMilton	18.86	20.61	0.0000	6.44	6.43	897
NRU1220	FEXMilton	0.00	20.61	-0.0001	22.20	21.62	52028
NRU1225	FEXMilton	0.00	23.20	0.0000	4.75	4.58	13422
NRU1230	FEXMilton	18.88	20.61	-0.0001	9.98	9.89	877
NRU1232	FEXMilton	0.00	20.61	-0.0001	8.63	8.54	865
NRU1234	FEXMilton	0.00	20.61	0.0000	67.76	68.11	13569
NRU1240	FEXMilton	0.00	20.61	0.0000	32.85	33.45	47276
NRU1250	FEXMilton	4.07	3.10	-0.0685	296.63	296.62	2102
NRU1270	FEXMilton	4.78	4.67	-0.0002	293.37	293.37	1665
NRU1290	FEXMilton	5.41	5.48	-0.0001	290.07	290.07	3103
NRU1310	FEXMilton	6.42	6.68	-0.0001	290.06	290.07	5052
NRU1330	FEXMilton	8.29	9.20	0.0000	363.52	363.53	3507
NRU1350	FEXMilton	9.32	10.76	0.0000	362.64	362.70	2459
NRU1370	FEXMilton	11.03	13.60	0.0000	362.50	361.78	20815
NRU1390	FEXMilton	11.84	13.74	-0.0001	122.16	120.20	60896
NRU1410	FEXMilton	12.56	14.81	0.0000	268.70	268.71	7429
NRU1430	FEXMilton	15.53	16.41	-0.0001	47.31	32.53	86657
NRU1450	FEXMilton	15.94	16.24	0.0000	39.30	39.28	9057
NRU1470	FEXMilton	15.97	16.28	0.0000	6.35	6.30	981
NRU1490	FEXMilton	16.09	16.46	0.0000	7.83	6.95	13926
NRU1510	FEXMilton	15.12	18.47	-0.0001	257.07	247.79	227733
NRU1530	FEXMilton	15.71	18.47	-0.0001	96.42	103.65	61329
NRU1550	FEXMilton	15.40	18.47	0.0001	116.55	123.74	81132
NRU1570	FEXMilton	16.20	18.55	0.0000	47.97	50.65	62446
NRU1590	FEXMilton	16.40	18.55	0.0000	6.38	3.83	29829
NRU1610	FEXMilton	16.56	18.58	0.0000	45.73	46.24	64844
NRU1630	FEXMilton	16.69	18.59	-0.0001	41.16	41.25	1538
NRU1650	FEXMilton	16.84	18.59	0.0000	41.07	41.16	66464
NRU1670	FEXMilton	16.89	18.59	0.0000	49.15	41.07	257886
NRU1690	FEXMilton	16.89	18.54	0.0000	53.79	51.07	66795
NRU1710	FEXMilton	16.60	18.61	0.0000	32.76	32.89	1426
NRU1730	FEXMilton	16.58	18.74	0.0000	40.83	32.76	208831
NRU1750	FEXMilton	16.58	18.74	-0.0001	10.54	16.87	720
NRU1770	FEXMilton	16.58	18.75	0.0001	28.43	26.26	24908
NRU1790	FEXMilton	17.21	18.75	0.0000	19.86	16.90	63700
NRU1810	FEXMilton	16.58	18.74	0.0000	6.18	3.90	47255
NRU1830	FEXMilton	17.12	18.78	0.0000	19.43	14.62	88210
NRU1850	FEXMilton	17.07	18.64	-0.0001	20.17	20.13	1063
NRU1870	FEXMilton	17.20	18.70	-0.0001	20.21	20.17	907
NRU1890	FEXMilton	17.38	18.78	0.0000	35.51	20.21	155626
NRU1910	FEXMilton	17.71	18.78	0.0000	15.94	11.60	71874
NRU1930	FEXMilton	15.71	18.47	-0.0001	63.05	86.12	205403

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1950	FEXMilton	16.43	18.50	-0.0001	53.04	53.03	1646
NRU1970	FEXMilton	16.86	18.51	-0.0001	53.06	53.04	1037
NRU1990	FEXMilton	17.09	18.52	-0.0001	67.25	66.63	25074
NRU2010	FEXMilton	18.02	18.71	0.0000	10.32	10.44	8110
NRU2030	FEXMilton	18.39	18.75	-0.0001	15.05	14.73	46174
NRU2050	FEXMilton	18.40	18.76	0.0000	3.13	3.30	453
NRU2070	FEXMilton	18.41	18.77	0.0000	4.40	3.13	19918
NRU2090	FEXMilton	17.16	18.63	-0.0001	53.11	51.75	33957
NRU2110	FEXMilton	17.28	18.78	0.0000	47.48	45.84	32374
NRU2130	FEXMilton	17.49	18.81	0.0000	41.52	42.02	18670
NRU2150	FEXMilton	17.69	18.81	-0.0001	9.25	7.45	76533
NRU2170	FEXMilton	17.07	18.79	0.0000	4.24	4.32	778
NRU2190	FEXMilton	17.08	18.79	0.0000	12.63	5.90	83566
NRU2210	FEXMilton	17.33	18.80	-0.0001	9.01	9.79	541
NRU2230	FEXMilton	17.33	18.80	0.0000	42.94	27.87	187171
NRU2250	FEXMilton	17.31	18.80	0.0001	18.88	10.84	61549
NRU2270	FEXMilton	17.61	18.82	0.0000	29.86	29.84	45981
NRU2290	FEXMilton	17.67	18.83	0.0000	25.96	26.33	25636
NRU2310	FEXMilton	17.68	18.84	0.0000	22.65	25.21	23091
NRU2330	FEXMilton	17.68	18.86	0.0002	31.36	8.58	23357
NRU2350	FEXMilton	17.68	18.86	-0.0002	7.63	30.86	653
NRU2370	FEXMilton	17.37	18.97	0.0000	7.43	7.63	528
NRU2390	FEXMilton	17.36	18.98	-0.0001	9.17	7.43	49188
NRU2410	FEXMilton	17.72	18.80	0.0000	18.04	17.37	48593
NRU2430	FEXMilton	17.83	18.80	0.0000	18.13	15.89	33355
NRU2450	FEXMilton	18.06	18.80	0.0000	9.76	9.06	39051
NRU2470	FEXMilton	15.72	18.47	-0.0002	19.33	19.18	1459
NRU2490	FEXMilton	15.75	18.48	0.0001	19.59	19.33	3153
NRU2510	FEXMilton	15.75	18.52	0.0000	10.76	10.68	962
NRU2530	FEXMilton	15.76	18.71	0.0000	10.84	10.76	582
NRU2550	FEXMilton	16.53	18.48	-0.0001	329.78	310.12	175011
NRU2570	FEXMilton	17.71	18.99	0.0000	315.62	312.87	137642
NRU2590	FEXMilton	18.30	19.00	0.0000	34.26	34.81	10394
NRU2610	FEXMilton	18.62	19.60	-0.0001	189.71	189.67	48212
NRU2630	FEXMilton	19.41	20.07	-0.0002	183.74	182.10	146501
NRU2650	FEXMilton	19.54	20.48	-0.0002	191.51	190.62	152499
NRU2670	FEXMilton	16.64	16.93	-0.0001	26.98	26.86	8968
NRU2690	FEXMilton	17.09	18.14	-0.0001	168.69	92.63	601652
NSH02	FEXMilton	0.00	21.29	-0.0003	11.31	35.80	18720
NSH03	FEXMilton	0.00	20.69	0.0000	5.13	5.11	548
NSH04	FEXMilton	0.00	20.58	0.0000	81.25	82.77	58147
NSH05	FEXMilton	0.00	19.76	-0.0030	8.95	8.82	20030
NSH07	FEXMilton	0.00	8.43	0.0001	58.68	58.67	10450
NSH08	FEXMilton	0.00	8.87	0.0000	22.23	22.03	2228
NSH09	FEXMilton	0.00	10.74	-0.0001	80.64	80.58	19235
NSH10	FEXMilton	0.00	19.12	0.0000	27.68	27.60	27575
NSH11	FEXMilton	0.00	21.07	0.0000	6.47	6.45	6483

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSH12	FEXMilton	0.00	19.18	0.0000	10.58	10.58	7603
NSH13	FEXMilton	0.00	18.05	0.0000	31.91	31.85	20547
NSH14	FEXMilton	0.00	17.82	0.0000	8.64	8.63	10689
NSH15	FEXMilton	0.00	18.70	0.0000	4.84	4.82	5674
NSH17	FEXMilton	0.00	17.25	0.0000	27.59	27.59	9021
NSH18	FEXMilton	0.00	15.82	0.0000	25.19	25.19	9991
NSH19	FEXMilton	0.00	11.63	0.0000	21.09	21.08	13331
NSH20	FEXMilton	0.00	20.19	0.0000	3.15	3.10	11547
NSH21	FEXMilton	0.00	11.23	-0.0001	29.15	29.15	11076
NSH22	FEXMilton	0.00	14.31	0.0000	32.30	32.24	9393
NSH23	FEXMilton	0.00	18.21	0.0000	9.61	9.59	3266
NSH24	FEXMilton	0.00	14.31	0.0000	23.43	23.32	7896
NSH25	FEXMilton	0.00	14.05	-0.0001	14.84	14.73	11815
NSH26	FEXMilton	0.00	13.95	0.0001	81.89	81.64	61393
NSH27	FEXMilton	0.00	13.04	0.0000	22.93	22.91	39424
NSH27A	FEXMilton	0.00	12.97	0.0000	16.63	16.60	921
NSH27AA	FEXMilton	0.00	13.01	-0.0001	4.39	4.50	554
NSH27B	FEXMilton	0.00	11.66	-0.0001	16.60	16.61	1033
NSH27C	FEXMilton	0.00	9.40	-0.0008	16.61	16.64	1037
NSH28	FEXMilton	0.00	9.87	0.0000	34.97	34.96	10486
NSH29	FEXMilton	0.00	8.88	0.0000	8.42	8.32	648
NSH31	FEXMilton	0.00	9.85	0.0000	4.62	4.58	480
NSH33	FEXMilton	0.00	16.70	0.0000	5.52	5.49	10850
NSH34	FEXMilton	0.00	9.39	0.0000	60.64	60.64	5658
NSH35	FEXMilton	0.00	8.08	0.0000	74.54	74.56	4613
NSH36	FEXMilton	0.00	8.07	0.0005	18.92	18.89	805
NSH37	FEXMilton	0.00	18.05	0.0000	15.82	15.81	6877
NSH41	FEXMilton	0.00	19.04	0.0000	6.24	6.24	798
NSH42	FEXMilton	0.00	7.74	-0.1409	103.59	103.58	4750
NSH43	FEXMilton	0.00	7.75	-0.0004	39.91	48.55	1745
NSH44	FEXMilton	0.00	9.77	0.0000	51.90	51.90	776
NSH45	FEXMilton	0.00	16.59	0.0000	62.26	62.11	32737
NSH48	FEXMilton	0.00	18.23	0.0000	12.49	12.48	3254
NSH49	FEXMilton	0.00	20.83	0.0000	16.66	16.35	17511
NSH50	FEXMilton	0.00	20.60	0.0002	46.86	42.09	33267
NSH51	FEXMilton	0.00	20.21	0.0000	48.89	47.26	141460
NSH52	FEXMilton	0.00	20.60	-0.0001	116.58	103.67	92071
NSH53	FEXMilton	0.00	20.21	-0.0001	31.53	31.90	5102
NSH54	FEXMilton	0.00	20.59	0.0000	79.29	80.65	48579
NSH55	FEXMilton	0.00	20.60	-0.0001	84.42	86.15	58290
NSH56	FEXMilton	0.00	20.60	-0.0001	30.06	30.13	5865
NSH57	FEXMilton	0.00	20.61	-0.0001	33.59	33.98	25895
NSH60	FEXMilton	0.00	20.67	0.0001	12.68	17.13	6047
NSH61	FEXMilton	0.00	20.63	-0.0003	15.77	16.26	444
NSH65	FEXMilton	0.00	21.63	-0.0001	3.26	5.75	470
NSH75	FEXMilton	0.00	8.15	-0.0001	44.39	41.66	12354
NSH80	FEXMilton	0.00	20.60	0.0000	3.81	3.34	13692

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSH81	FEXMilton	0.00	20.88	0.0000	0.38	0.37	2614
NSH82	FEXMilton	0.00	20.89	0.0000	1.86	1.84	6523
NSH83	FEXMilton	0.00	20.71	0.0000	19.46	19.17	13213
NSR0000	FEXMilton	2.00	1.82	0.0004	368.74	53.79	0
NSR0005	FEXMilton	2.00	1.82	0.0004	5.23	0.14	0
NSR0010	FEXMilton	2.00	1.82	0.0004	534.71	31.63	0
NSR0030	FEXMilton	2.92	3.65	-0.0013	538.27	534.71	219002
NSR0032	FEXMilton	4.88	5.25	0.0000	9.22	8.30	22668
NSR0034	FEXMilton	3.63	3.79	0.0000	50.26	49.01	30259
NSR0050	FEXMilton	3.44	4.36	0.0000	514.96	512.38	117932
NSR0070	FEXMilton	3.45	4.22	0.0001	18.70	18.35	64488
NSR0090	FEXMilton	3.68	3.80	0.0000	23.80	23.35	12255
NSR0100	FEXMilton	2.25	2.34	-0.0081	5.25	5.23	577
NSR0102	FEXMilton	4.24	4.33	0.0000	2.79	2.70	2404
NSR0105	FEXMilton	1.91	2.00	-1.0231	470.88	386.77	2851
NSR0110	FEXMilton	3.93	4.56	0.0000	38.53	38.22	27494
NSR0112	FEXMilton	2.31	2.36	0.0786	367.48	470.88	1491
NSR0115	FEXMilton	4.25	4.33	0.0000	1.67	1.60	7882
NSR0120	FEXMilton	2.62	2.84	0.0641	365.15	365.19	2596
NSR0130	FEXMilton	4.16	5.01	0.0000	36.22	36.06	38494
NSR0135	FEXMilton	4.22	5.45	0.0000	31.18	31.11	27941
NSR0140	FEXMilton	3.28	3.90	0.0151	362.63	362.65	2501
NSR0150	FEXMilton	3.64	4.83	0.0000	448.28	448.04	29727
NSR0160	FEXMilton	3.56	4.32	-0.0081	354.40	354.69	15791
NSR0165	FEXMilton	4.03	5.50	0.0000	69.41	69.30	33141
NSR0170	FEXMilton	3.70	5.17	0.0000	41.84	41.82	16593
NSR0180	FEXMilton	3.83	5.50	-0.0001	99.92	97.31	45503
NSR0190	FEXMilton	4.04	5.09	0.0002	59.38	59.89	5113
NSR0210	FEXMilton	4.26	5.84	-0.0001	60.71	59.28	21504
NSR0230	FEXMilton	4.26	5.84	0.0000	72.70	59.99	153942
NSR0250	FEXMilton	3.93	5.05	0.0021	416.04	415.55	12764
NSR0270	FEXMilton	3.98	5.13	0.0000	178.31	174.08	94131
NSR0280	FEXMilton	5.41	6.06	-0.0015	325.45	325.29	45905
NSR0281	FEXMilton	5.97	6.75	-0.0023	275.75	275.62	21988
NSR0290	FEXMilton	6.70	7.25	-0.0006	126.56	123.08	45263
NSR0310	FEXMilton	9.28	9.46	0.0000	117.49	117.14	68504
NSR0330	FEXMilton	9.65	9.95	-0.0001	8.03	8.01	470
NSR0350	FEXMilton	10.32	10.86	-0.0001	8.04	8.03	446
NSR0370	FEXMilton	10.35	10.89	0.0000	9.73	8.04	10401
NSR0390	FEXMilton	11.96	12.39	-0.0001	113.94	113.80	79258
NSR0410	FEXMilton	12.27	12.94	-0.0001	8.02	9.01	510
NSR0430	FEXMilton	12.28	12.96	0.0000	8.00	8.02	26709
NSR0450	FEXMilton	13.04	14.17	-0.0001	71.63	71.55	40649
NSR0470	FEXMilton	13.10	14.62	-0.0002	55.45	55.41	16479
NSR0490	FEXMilton	4.41	5.24	-0.0007	226.38	224.35	41054
NSR0510	FEXMilton	4.48	5.40	-0.0005	107.37	105.95	24429
NSR0530	FEXMilton	4.55	5.49	-0.0002	32.25	31.28	65179

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0540	FEXMilton	4.55	5.55	-0.0007	127.07	123.66	109778
NSR0550	FEXMilton	4.56	5.56	0.0034	408.61	407.69	41251
NSR0560	FEXMilton	4.66	5.61	-0.0006	191.69	189.36	109558
NSR0570	FEXMilton	5.28	5.83	-0.0002	252.58	252.18	62766
NSR0580	FEXMilton	6.13	6.84	-0.0001	18.31	10.49	119915
NSR0590	FEXMilton	6.15	6.85	-0.0001	135.61	135.01	78222
NSR0610	FEXMilton	6.26	6.91	-0.0004	133.22	131.55	82066
NSR0630	FEXMilton	6.26	6.90	-0.0002	20.61	20.69	786
NSR0650	FEXMilton	6.25	6.88	-0.0001	100.09	94.22	216992
NSR0660	FEXMilton	6.13	6.83	-0.0001	92.87	92.30	78408
NSR0670	FEXMilton	6.24	6.87	0.0001	8.88	9.94	545
NSR0680	FEXMilton	6.14	6.77	-0.0002	124.07	123.60	169086
NSR0690	FEXMilton	6.24	6.87	0.0001	8.11	8.88	622
NSR0710	FEXMilton	6.23	6.86	0.0000	7.79	8.11	921
NSR0730	FEXMilton	6.29	6.93	-0.0001	178.84	174.05	203761
NSR0770	FEXMilton	6.81	7.80	0.0002	188.93	188.74	29797
NSR0780	FEXMilton	6.74	7.36	-0.0001	75.85	75.47	30049
NSR0790	FEXMilton	8.35	10.85	-0.0003	436.58	435.58	89813
NSR0791	FEXMilton	7.13	8.75	0.0004	249.37	249.37	5596
NSR0809	FEXMilton	12.76	11.93	-0.0009	74.48	96.36	2123
NSR0810	FEXMilton	13.45	13.75	-0.0002	296.97	296.89	59813
NSR0830	FEXMilton	15.10	15.63	-0.0002	381.90	381.00	172760
NSR0840	FEXMilton	16.09	16.41	0.0000	82.90	83.08	56555
NSR0850	FEXMilton	15.64	16.34	-0.0002	311.52	311.30	82334
NSR0860	FEXMilton	16.41	16.59	0.0000	12.45	12.40	17739
NSR0869	FEXMilton	16.03	16.72	-0.0001	28.27	28.17	1504
NSR0870	FEXMilton	16.24	16.92	-0.0001	266.60	266.56	52821
NSR0880	FEXMilton	16.24	16.95	-0.0001	115.15	115.07	26695
NSR0881	FEXMilton	14.14	18.02	-0.0004	451.35	450.72	197436
NSR0890	FEXMilton	4.02	5.08	-0.0177	268.85	421.37	120425
NSR0910	FEXMilton	4.79	5.85	0.0005	236.68	229.79	93345
NSR0930	FEXMilton	5.54	7.25	0.0000	123.92	56.80	337345
NSR0950	FEXMilton	5.63	7.25	0.0005	311.10	280.45	201103
NSR0970	FEXMilton	6.14	7.31	0.0002	148.21	148.82	3616
NSR0990	FEXMilton	6.27	7.32	0.0000	235.94	235.40	4544
NSR1010	FEXMilton	6.30	7.35	0.0000	53.69	51.77	20690
NSR1030	FEXMilton	8.54	9.24	0.0002	184.63	184.30	10007
NSR1050	FEXMilton	8.56	9.30	0.0000	109.71	108.83	27506
NSR1070	FEXMilton	9.58	9.78	-0.0007	243.46	243.02	66496
NSR1090	FEXMilton	11.30	11.52	0.0002	176.34	176.36	8774
NSR1110	FEXMilton	11.57	11.56	0.0000	1.94	1.93	2891
NSR1130	FEXMilton	11.29	11.41	0.0000	36.60	36.59	15763
NSR1150	FEXMilton	11.39	11.58	0.0000	4.61	4.39	10608
NSR1170	FEXMilton	11.38	11.57	0.0000	1.96	2.33	450
NSR1190	FEXMilton	12.70	13.50	0.0000	174.90	174.90	14785
NSR1210	FEXMilton	12.70	13.50	0.0001	16.42	9.25	102835
NSR1230	FEXMilton	14.76	15.63	0.0000	169.14	169.15	9777

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR1270	FEXMilton	14.99	15.81	0.0000	169.14	169.14	6276
NSR1290	FEXMilton	14.99	15.81	0.0000	3.28	1.87	28401
NSR1310	FEXMilton	14.99	15.81	0.0000	20.41	9.19	189219
NSR1330	FEXMilton	15.44	16.59	0.0000	162.89	162.51	23747
NSR1350	FEXMilton	15.45	16.60	0.0000	31.09	30.76	383361
NSR1370	FEXMilton	15.56	16.67	-0.0001	155.31	152.30	21929
NSR1390	FEXMilton	15.56	16.67	0.0000	2.72	1.99	10997
NSR1410	FEXMilton	15.56	16.67	0.0002	18.60	15.12	104998
NSR1430	FEXMilton	15.76	16.76	0.0000	61.83	60.78	63041
NSR1450	FEXMilton	15.74	16.76	0.0000	68.72	64.99	174224
NSR1470	FEXMilton	15.96	16.77	0.0000	61.35	58.66	92406
NSR1490	FEXMilton	16.21	16.79	0.0000	66.45	55.59	245564
NSR1510	FEXMilton	16.21	16.79	0.0000	37.69	35.40	76250
NSR1530	FEXMilton	15.56	16.67	0.0001	4.07	2.78	28135
NSR1550	FEXMilton	15.68	16.75	0.0001	187.63	182.57	34955
NSR1570	FEXMilton	15.68	16.74	-0.0002	42.61	33.23	20471
NSR1590	FEXMilton	15.68	16.75	0.0002	68.74	81.94	62721
NSR1610	FEXMilton	15.75	16.80	0.0008	32.05	10.42	65156
NSR1630	FEXMilton	15.75	16.80	0.0002	110.69	109.32	21008
NSR1650	FEXMilton	16.39	17.07	0.0000	2.29	2.29	436
NSR1670	FEXMilton	15.92	16.97	0.0002	80.81	80.20	48809
NSR1690	FEXMilton	16.24	17.68	0.0000	96.35	95.99	24231
NSR1710	FEXMilton	16.25	17.69	0.0000	5.81	3.27	50604
NSR1730	FEXMilton	16.32	17.72	0.0000	102.41	101.01	24568
NSR1750	FEXMilton	16.68	17.72	0.0000	2.41	2.04	7290
NSR1770	FEXMilton	17.23	17.48	0.0000	15.26	12.76	22079
NSR1790	FEXMilton	17.24	17.48	0.0000	15.33	15.21	37935
NSR1810	FEXMilton	17.25	17.48	0.0000	7.35	7.05	16161
NSR1830	FEXMilton	17.25	17.48	0.0000	64.89	64.53	106159
NSR1850	FEXMilton	16.95	18.32	-0.0001	15.71	12.58	14068
NSR1870	FEXMilton	16.93	18.32	0.0001	70.79	37.37	188376
NSR1890	FEXMilton	16.05	18.32	-0.0001	13.45	13.78	1056
NSR1910	FEXMilton	15.45	18.32	-0.0005	196.95	195.92	183610
NSR1930	FEXMilton	16.53	17.78	0.0001	82.92	83.20	16728
NSR1950	FEXMilton	16.70	17.74	-0.0001	26.28	26.49	17557
NSR1970	FEXMilton	16.84	18.13	0.0000	35.44	27.81	117302
NSR1990	FEXMilton	16.86	17.98	0.0001	8.85	8.71	949
NSR2010	FEXMilton	16.91	17.85	-0.0001	18.18	12.34	66694
NSR2030	FEXMilton	16.90	17.68	-0.0001	12.34	12.36	751
NSR2050	FEXMilton	16.88	17.42	0.0000	20.27	18.24	38390
NSR2070	FEXMilton	16.81	17.41	0.0001	6.23	6.17	781
NSR2090	FEXMilton	16.72	17.41	0.0000	6.17	6.12	679
NSR2110	FEXMilton	16.54	17.40	0.0000	16.16	13.38	45228
NSR2130	FEXMilton	16.50	16.61	-0.0001	19.06	17.95	88580
NSR2150	FEXMilton	17.60	18.52	0.0000	95.09	78.66	299590
NSR2170	FEXMilton	17.62	18.53	-0.0021	39.68	40.11	2087
NSR2190	FEXMilton	17.62	18.53	0.0020	39.27	39.68	967

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR2210	FEXMilton	17.62	18.53	0.0000	104.71	71.44	439659
NSR2230	FEXMilton	17.62	18.53	-0.0007	18.39	18.69	675
NSR2250	FEXMilton	17.63	18.53	-0.0001	16.14	18.95	16003
NSR2270	FEXMilton	17.63	18.54	-0.0001	17.52	16.14	65289
NSR2290	FEXMilton	17.63	18.54	-0.0001	12.91	12.80	888
NSR2310	FEXMilton	17.63	18.54	0.0000	14.88	12.91	50906
NSR2330	FEXMilton	17.65	18.57	0.0000	14.99	10.07	58293
NSR2350	FEXMilton	17.65	18.57	-0.0001	17.46	8.48	122759
NSR2370	FEXMilton	16.66	17.91	-0.0001	37.27	35.62	9676
NSR2390	FEXMilton	18.07	18.07	0.0000	9.61	8.78	65882
NSR2410	FEXMilton	16.66	17.91	0.0000	33.63	28.50	22277
NSR2430	FEXMilton	17.99	17.98	0.0000	2.15	2.15	2661
NSR2450	FEXMilton	18.06	18.08	0.0000	30.30	30.14	15569
NSR3000	FEXMilton	17.04	18.32	-0.0727	12.40	49.45	58189
NSR3005	FEXMilton	17.02	18.32	0.1453	49.45	3.39	566
NSR3020	FEXMilton	17.61	18.09	-0.0001	202.11	201.96	118282
NSR3040	FEXMilton	16.25	16.96	-0.0001	233.81	232.83	140629
NSR3060	FEXMilton	16.21	16.79	-0.0001	64.28	63.33	66878
NSW0010	FEXMilton	2.00	1.82	0.0007	27.97	0.35	0
NSW0030	FEXMilton	2.13	2.61	-0.0349	27.99	27.97	1389
NSW0050	FEXMilton	4.04	4.72	-0.0001	28.45	27.99	1532
Outfall	FEXMilton	2.00	1.82	0.0004	148.70	4.18	0
Outfall_NE	FEXMilton	21.00	20.03	-0.0005	8.36	0.00	0
PondA	FEXMilton	0.00	20.47	0.0000	31.13	30.51	94730
PondB	FEXMilton	0.00	18.13	0.0000	212.92	192.00	268266
SH_OUTFALL	FEXMilton	2.00	1.90	0.0003	308.38	0.43	0
STORAGE1	FEXMilton	0.00	20.77	0.0000	2.36	1.39	7405
STORAGE10	FEXMilton	0.00	21.63	0.0000	3.65	0.46	9148
STORAGE11	FEXMilton	0.00	21.29	0.0001	35.80	0.01	18648
STORAGE12	FEXMilton	0.00	22.05	0.0001	31.92	5.91	10262
STORAGE13	FEXMilton	0.00	20.79	0.0001	5.10	0.73	5323
STORAGE14	FEXMilton	0.00	23.20	0.0000	2.17	0.16	13395
STORAGE2	FEXMilton	0.00	20.62	0.0001	15.82	3.55	18426
STORAGE4	FEXMilton	0.00	20.62	0.0000	15.15	4.06	12088
STORAGE5	FEXMilton	0.00	21.11	0.0000	4.08	2.44	20006
STORAGE8	FEXMilton	0.00	20.61	0.0000	1.99	1.34	6098
STORAGE9	FEXMilton	0.00	20.67	0.0007	8.37	4.07	11761
Sevilla1	FEXMilton	1.20	2.30	-0.0001	0.53	1.93	804
Sevilla2	FEXMilton	1.23	2.00	0.0000	0.51	2.48	660
Sevilla3	FEXMilton	1.20	2.30	0.0000	1.93	5.67	1341
Sevilla4	FEXMilton	1.20	2.30	-0.0001	5.67	12.20	1493
Shamrock2	FEXMilton	1.11	2.00	-0.0360	145.77	151.54	5390
Shmrck1.1	FEXMilton	1.38	2.78	0.0002	150.28	146.53	6206
Shmrck1.2	FEXMilton	1.20	2.30	-0.0001	146.53	146.03	4023
V3	FEXMilton	6.53	6.62	0.0000	1.44	1.39	36755
BC_N02	FEXVerification	0.00	18.00	0.0000	0.00	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Church1	FEXVerification	8.77	8.63	0.0000	0.00	0.00	436
Church2	FEXVerification	8.77	8.21	0.0000	1.90	1.54	4390
Clark1	FEXVerification	7.21	6.61	0.0000	0.14	0.05	709
Clark2	FEXVerification	7.21	6.63	0.0000	29.58	29.53	4366
DM1	FEXVerification	11.42	11.27	0.0000	1.86	1.97	1274
DM2	FEXVerification	10.30	10.01	0.0000	1.97	1.77	1909
DM3	FEXVerification	9.16	9.06	0.0000	1.77	1.90	2968
E_Outlet	FEXVerification	0.00	15.62	0.0001	36.09	21.06	0
E_Outlet2	FEXVerification	0.00	17.00	0.0000	0.00	0.00	0
EIP_Hes.1	FEXVerification	1.99	2.17	0.0000	0.23	0.15	763
EIP_con.1	FEXVerification	2.18	2.22	-0.0001	28.81	28.77	4221
EIPrad.1	FEXVerification	1.99	2.17	0.0000	0.11	0.06	613
G1	FEXVerification	14.98	14.05	-0.0005	30.14	29.48	24938
G10	FEXVerification	8.77	8.10	0.0000	29.61	29.58	4602
G2	FEXVerification	14.99	14.77	-0.0001	5.35	3.78	32676
G3	FEXVerification	14.86	13.06	0.0000	31.86	31.85	2179
G4	FEXVerification	12.82	11.75	0.0000	31.85	31.84	2076
G5	FEXVerification	11.69	10.93	0.0000	31.84	31.83	1865
G6	FEXVerification	11.00	9.24	0.0000	3.69	0.00	0
G7	FEXVerification	11.00	10.25	0.0000	31.83	31.82	3599
G8	FEXVerification	10.07	9.47	0.0000	28.12	28.11	2144
G9	FEXVerification	9.41	8.99	0.0000	28.11	28.10	1352
H1	FEXVerification	1.99	2.17	0.0000	0.09	0.06	510
H2.1	FEXVerification	1.99	2.17	0.0000	28.77	28.75	6105

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	n						
Hubert	FEXVerification	3.16	2.79	0.0000	29.38	29.25	5965
JUNCT1	FEXVerification	0.00	18.86	0.0000	1.97	1.86	3227
JUNCT10	FEXVerification	0.00	21.84	0.0000	27.84	27.71	8319
JUNCT2	FEXVerification	0.00	13.87	0.0000	5.78	5.75	1486
JUNCT3	FEXVerification	0.00	19.64	0.0000	0.01	0.00	801
JUNCT4	FEXVerification	0.00	13.58	0.0000	1.59	1.54	3960
JUNCT6	FEXVerification	0.00	14.97	0.0000	3.40	3.40	2518
JUNCT7	FEXVerification	0.00	18.83	0.0000	14.32	14.31	3716
JUNCT7B	FEXVerification	0.00	18.49	0.0000	15.65	15.45	11714
JUNCT8	FEXVerification	0.00	19.06	0.0000	37.81	37.89	8364
JUNCT8B	FEXVerification	0.00	18.52	0.0000	37.89	37.58	20067
JUNCT9	FEXVerification	0.00	29.38	0.0000	25.30	25.27	8976
L1	FEXVerification	11.53	11.53	0.0000	0.00	0.00	436
L2	FEXVerification	11.63	11.63	0.0000	0.00	0.00	436
L3	FEXVerification	10.43	10.43	0.0000	0.00	0.00	436
L4	FEXVerification	8.43	8.43	0.0000	0.00	0.00	436
L5	FEXVerification	7.63	7.63	0.0000	0.00	0.00	436
L6	FEXVerification	6.93	6.93	0.0000	0.00	0.00	436
Lois	FEXVerification	4.82	4.40	0.0000	29.39	29.38	6808
M1	FEXVerification	2.58	2.46	0.0000	0.00	0.00	436
M1.1	FEXVerification	6.33	6.33	0.0000	0.00	0.00	436
M1.2	FEXVerification	7.03	7.03	0.0000	0.00	0.00	436
M1.3	FEXVerification	7.13	7.13	0.0000	0.00	0.00	436

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
M2	FEXVerification	2.58	2.38	0.0000	0.26	0.09	888
M3	FEXVerification	2.58	2.39	0.0000	0.48	0.30	1154
M4	FEXVerification	2.58	2.39	0.0000	0.79	0.52	900
M5.1	FEXVerification	2.57	2.39	0.0000	29.25	29.11	6162
M6	FEXVerification	2.58	2.39	0.0000	0.26	0.15	558
Marjory_Pump	FEXVerification	0.00	24.09	0.0102	3.62	1.61	496
N01	FEXVerification	0.00	19.52	0.0000	7.87	6.06	11270
N01A	FEXVerification	0.00	19.04	0.0000	6.06	5.87	437
N02	FEXVerification	0.00	13.72	-0.0001	7.52	9.08	689
N03	FEXVerification	0.00	16.19	0.0000	0.29	0.25	562
N04	FEXVerification	0.00	17.27	0.0000	2.26	2.22	559
N05	FEXVerification	0.00	13.30	0.0000	42.74	42.43	4417
N06	FEXVerification	0.00	11.31	0.0001	32.05	32.04	3285
N07A	FEXVerification	0.00	7.75	-0.0001	36.81	36.77	4247
N08A	FEXVerification	0.00	5.37	0.0001	47.27	51.61	1954
N09	FEXVerification	0.00	8.27	0.0000	3.50	3.48	465
N09A	FEXVerification	0.00	4.13	-0.0001	53.27	48.91	1360
N10	FEXVerification	2.00	2.00	0.0000	79.97	0.00	0
N11	FEXVerification	0.00	15.51	-0.0002	26.44	36.09	25171
NBB0010	FEXVerification	2.00	2.00	0.0000	89.29	0.00	0
NBB0030	FEXVerification	5.03	4.35	-0.0003	89.30	89.29	557
NBB0050	FEXVerification	9.15	6.69	-0.0001	89.36	89.30	2226
NBB0070	FEXVerification	11.30	8.04	0.0001	83.71	83.77	2549
NBB0090	FEXVerification	12.67	9.07	0.0001	80.96	81.09	1996

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
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NBB0110	FEXVerification	13.46	9.72	0.0001	78.68	78.85	1984
NBB0130	FEXVerification	15.26	12.04	0.0000	12.73	12.65	833
NBB0150	FEXVerification	14.01	10.38	0.0001	64.08	64.06	1936
NBB0170	FEXVerification	14.74	11.26	0.0001	65.52	64.08	1452
NBB0190	FEXVerification	15.42	12.09	0.0001	67.08	65.52	1476
NBB0210	FEXVerification	15.70	12.76	0.0001	58.98	58.53	1556
NBB0230	FEXVerification	16.02	13.54	0.0001	60.60	58.98	1635
NBB0250	FEXVerification	16.31	14.29	0.0001	59.48	57.60	2036
NBB0270	FEXVerification	17.05	15.27	0.0001	62.50	59.48	1836
NBB0290	FEXVerification	17.06	15.80	0.0001	61.39	57.21	1258
NBB0310	FEXVerification	17.07	16.30	0.0001	86.98	71.08	86072
NBB0330	FEXVerification	16.57	16.14	0.0001	23.26	24.44	1624
NBB0350	FEXVerification	16.45	15.99	0.0001	21.75	22.77	1396
NBB0370	FEXVerification	16.33	15.85	0.0001	29.61	28.93	10447
NBB0390	FEXVerification	16.32	15.82	0.0001	18.65	19.42	1837
NBB0410	FEXVerification	16.30	15.74	-0.0002	33.36	31.60	16541
NBB0430	FEXVerification	15.45	15.35	-0.0002	35.10	33.87	64553
NBW0010	FEXVerification	2.00	2.00	0.0000	526.28	0.00	0
NBW0030	FEXVerification	3.39	3.32	0.0000	526.68	526.28	38008
NBW0050	FEXVerification	3.92	3.55	0.0000	5.58	4.40	3712
NBW0070	FEXVerification	3.57	3.45	0.0000	149.79	150.43	25444
NBW0090	FEXVerification	3.66	3.53	0.0000	3.78	3.27	2553
NBW0130	FEXVerification	3.73	3.59	0.0000	146.40	146.53	14023

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW0150	FEXVerification	3.93	3.64	0.0000	6.25	6.04	442
NBW0170	FEXVerification	3.98	3.65	0.0000	2.75	2.52	1335
NBW0190	FEXVerification	3.89	3.72	-0.0001	142.64	142.67	5756
NBW0210	FEXVerification	6.25	6.21	0.0000	4.76	4.73	4529
NBW0230	FEXVerification	4.01	3.81	-0.0001	140.24	140.33	2784
NBW0250	FEXVerification	4.88	4.57	0.0000	138.47	138.56	5273
NBW0270	FEXVerification	5.49	5.26	0.0000	24.19	22.42	11382
NBW0290	FEXVerification	5.91	5.81	0.0000	19.03	18.68	11193
NBW0310	FEXVerification	6.38	6.03	0.0000	6.43	6.38	743
NBW0330	FEXVerification	5.50	5.14	0.0000	126.46	126.93	19420
NBW0350	FEXVerification	4.97	4.92	0.0000	4.68	4.68	2451
NBW0370	FEXVerification	5.52	5.15	0.0001	6.70	6.21	1017
NBW0390	FEXVerification	5.52	5.15	0.0000	5.75	5.30	3462
NBW0410	FEXVerification	5.54	5.17	-0.0001	119.78	120.08	3446
NBW0430	FEXVerification	5.89	5.46	0.0001	3.58	3.11	847
NBW0450	FEXVerification	5.89	5.46	0.0001	120.31	119.78	10182
NBW0470	FEXVerification	5.89	5.46	-0.0001	2.61	2.16	834
NBW0490	FEXVerification	5.92	5.49	-0.0001	118.05	118.37	2658
NBW0510	FEXVerification	6.72	6.59	0.0000	2.13	2.13	1653
NBW0530	FEXVerification	6.22	5.76	0.0000	117.48	117.39	4801
NBW0550	FEXVerification	6.72	6.16	0.0000	68.13	52.84	76391
NBW0570	FEXVerification	7.09	6.73	0.0000	71.66	71.53	3478
NBW0590	FEXVerification	10.03	9.77	-0.0004	70.89	68.48	58793
NBW0610	FEXVerification	6.45	5.95	0.0000	101.53	101.37	6403

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	n						
NBW0630	FEXVerification	6.22	5.77	0.0000	2.02	1.72	5373
NBW0650	FEXVerification	6.66	6.07	0.0000	103.26	101.45	18971
NBW0670	FEXVerification	6.66	6.07	0.0000	2.73	2.13	6755
NBW0690	FEXVerification	6.71	6.14	0.0000	86.29	81.58	8048
NBW0710	FEXVerification	6.71	6.14	0.0000	7.95	7.93	9031
NBW0730	FEXVerification	6.72	6.15	0.0000	90.04	80.36	49727
NBW0750	FEXVerification	7.06	6.78	0.0001	70.57	43.18	68521
NBW0770	FEXVerification	7.06	6.79	-0.0001	14.15	12.09	8027
NBW0790	FEXVerification	8.11	7.21	0.0000	12.23	11.98	770
NBW0810	FEXVerification	7.06	6.79	0.0000	33.37	26.54	17242
NBW0830	FEXVerification	8.41	7.06	0.0000	17.51	17.26	1329
NBW0850	FEXVerification	10.17	7.34	0.0000	16.29	16.02	755
NBW0870	FEXVerification	7.06	6.79	0.0001	16.89	11.63	42535
NBW0890	FEXVerification	7.06	6.79	0.0001	17.35	18.13	1027
NBW0910	FEXVerification	7.06	6.79	0.0000	35.06	22.66	62309
NBW0930	FEXVerification	8.03	6.87	0.0000	25.79	25.58	1301
NBW0950	FEXVerification	8.82	7.01	0.0000	26.01	25.79	889
NBW0970	FEXVerification	8.82	7.04	0.0001	15.51	15.58	1019
NBW0990	FEXVerification	8.82	7.07	-0.0001	15.06	15.10	785
NBW1010	FEXVerification	8.83	7.36	0.0000	15.03	15.06	1121
NBW1030	FEXVerification	9.19	7.69	0.0000	14.61	14.64	1103
NBW1050	FEXVerification	9.30	7.92	0.0000	13.90	13.91	900
NBW1070	FEXVerification	9.34	8.00	0.0000	13.94	13.90	767

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW1090	FEXVerification	3.78	3.66	0.0000	370.39	368.78	11788
NBW1130	FEXVerification	4.51	4.24	0.0000	12.79	11.78	8943
NBW1150	FEXVerification	4.53	4.31	0.0000	10.35	8.68	13961
NBW1169	FEXVerification	4.09	3.94	0.0000	358.29	355.80	15834
NBW1170	FEXVerification	4.30	4.18	-0.0001	354.20	353.26	5810
NBW1190	FEXVerification	6.13	5.42	-0.0001	11.14	6.62	28426
NBW1210	FEXVerification	7.17	5.69	-0.0002	32.67	30.02	31579
NBW1230	FEXVerification	7.17	6.20	-0.0001	32.27	24.27	79887
NBW1250	FEXVerification	4.74	4.58	0.0001	323.18	321.59	7383
NBW1270	FEXVerification	6.14	5.68	0.0000	6.35	6.43	7975
NBW1310	FEXVerification	5.21	5.08	0.0000	324.30	322.65	7844
NBW1330	FEXVerification	7.56	7.38	0.0002	285.78	285.76	3120
NBW1350	FEXVerification	10.95	9.09	0.0002	19.18	21.04	496
NBW1351	FEXVerification	8.89	8.57	-0.0003	247.61	247.28	8277
NBW1352	FEXVerification	9.96	9.72	-0.0006	241.79	241.42	7956
NBW1353	FEXVerification	11.01	10.88	0.0005	236.43	236.03	5636
NBW1370	FEXVerification	10.02	9.73	0.0003	206.41	196.72	6358
NBW1390	FEXVerification	15.24	15.09	-0.0005	203.20	189.43	68486
NBW1410	FEXVerification	15.58	15.46	0.0003	185.04	182.07	17908
NBW1430	FEXVerification	15.79	15.69	-0.0002	150.39	157.29	19111
NBW1450	FEXVerification	16.94	16.80	-0.0005	159.77	156.94	95277
NBW1460	FEXVerification	16.43	16.30	-0.0002	145.48	146.32	3527
NBW1470	FEXVerification	17.14	17.03	-0.0002	160.66	153.39	99204
NBW1480	FEXVerification	18.11	17.99	-0.0001	7.08	4.91	11583

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft ²]
	n						
NBW1490	FEXVerification	17.86	17.62	0.0002	108.51	102.87	13794
NBW1510	FEXVerification	18.12	17.83	0.0004	141.57	128.90	7480
NBW1530	FEXVerification	17.92	17.59	0.0001	16.90	12.16	1253
NBW1550	FEXVerification	17.75	17.45	0.0001	18.03	17.90	7879
NBW1570	FEXVerification	18.21	17.93	0.0002	139.88	133.62	2604
NBW1590	FEXVerification	18.12	17.93	0.0001	27.37	25.27	9777
NBW1610	FEXVerification	18.13	17.97	0.0001	24.24	23.87	2890
NBW1630	FEXVerification	18.13	18.02	0.0001	12.48	12.37	1549
NBW1650	FEXVerification	18.81	18.74	0.0001	11.21	9.86	2564
NBW1670	FEXVerification	18.89	18.81	0.0001	16.47	16.30	4256
NBW1690	FEXVerification	19.03	18.94	0.0001	10.05	9.73	7953
NBW1710	FEXVerification	19.26	18.94	0.0001	4.74	1.61	998
NBW1730	FEXVerification	18.65	18.27	0.0005	127.91	123.06	92144
NBW1750	FEXVerification	18.82	18.30	0.0001	69.63	69.42	5679
NBW1770	FEXVerification	18.82	18.73	0.0001	60.90	54.40	38466
NBW1790	FEXVerification	18.91	18.85	0.0001	14.61	14.52	1891
NBW1820	FEXVerification	18.72	18.55	0.0001	33.10	21.60	63334
NBW1830	FEXVerification	18.74	18.46	0.0001	70.48	71.22	1977
NBW1840	FEXVerification	18.39	18.30	0.0001	49.23	40.08	68585
NBW1850	FEXVerification	18.74	18.48	0.0001	69.55	70.22	45449
NBW1860	FEXVerification	18.39	18.30	-0.0001	7.44	4.75	15139
NBW1870	FEXVerification	18.72	18.55	-0.0002	24.82	16.89	21170
NBW1890	FEXVerification	19.06	18.64	0.0001	52.64	53.31	2614

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW1910	FEXVerification	19.27	18.75	0.0001	51.99	52.64	1873
NBW1930	FEXVerification	19.27	18.86	0.0001	51.19	51.84	2155
NBW1950	FEXVerification	18.97	18.92	0.0001	4.60	2.44	451
NBW1970	FEXVerification	18.96	18.93	0.0000	6.09	6.02	1967
NBW1990	FEXVerification	19.27	19.01	0.0001	48.32	49.75	32467
NBW2010	FEXVerification	19.65	19.14	0.0001	8.35	8.08	1423
NBW2030	FEXVerification	19.65	19.14	0.0001	7.14	7.18	3277
NBW2050	FEXVerification	19.26	19.11	0.0002	43.66	45.34	40446
NBW2060	FEXVerification	0.00	19.46	0.0000	10.98	9.27	22942
NBW2070	FEXVerification	19.26	19.11	0.0001	44.46	41.95	66181
NBW2090	FEXVerification	19.10	18.66	0.0001	30.20	30.18	5443
NBW2110	FEXVerification	18.92	18.20	0.0001	42.38	39.77	45551
NBW2130	FEXVerification	18.92	18.20	0.0000	21.43	10.63	22596
NBW2140	FEXVerification	20.00	18.27	0.0000	5.02	4.85	606
NBW2145	FEXVerification	0.00	18.35	0.0000	13.40	12.77	436
NBW2150	FEXVerification	19.26	19.38	0.0001	33.08	32.80	8667
NBW2170	FEXVerification	19.12	19.40	0.0003	15.70	5.62	798
NBW2190	FEXVerification	19.10	19.41	0.0002	8.39	3.49	565
NBW2210	FEXVerification	19.47	19.47	0.0001	30.69	30.79	1885
NBW2230	FEXVerification	19.47	19.57	-0.0001	19.58	17.55	35020
NBW2250	FEXVerification	19.51	19.51	0.0001	25.39	25.74	2752
NBW2270	FEXVerification	19.57	19.56	0.0002	24.98	25.32	2581
NBW2290	FEXVerification	19.65	19.60	-0.0002	19.54	13.51	57830
NBW2310	FEXVerification	19.82	19.65	-0.0002	16.82	17.29	68272

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	n						
NBW2330	FEXVerification	19.82	19.65	-0.0002	14.30	11.44	37138
NBW2350	FEXVerification	16.05	15.87	0.0001	44.10	43.37	4144
NBW2370	FEXVerification	16.11	16.06	-0.0001	9.61	7.48	57661
NBW2380	FEXVerification	12.29	12.30	0.0004	235.68	232.26	10756
NBW2385	FEXVerification	18.49	18.48	0.0000	2.17	2.17	6438
NBW2387	FEXVerification	16.11	15.70	0.0000	0.34	0.33	476
NBW2390	FEXVerification	16.42	16.26	0.0001	31.45	31.31	2672
NBW2410	FEXVerification	16.59	16.59	0.0001	26.78	25.98	2374
NBW2430	FEXVerification	16.23	16.50	0.0001	40.10	39.63	4026
NBW2450	FEXVerification	16.15	16.43	-0.0002	154.57	156.84	4396
NBW2470	FEXVerification	16.43	16.54	0.0001	77.45	75.79	22012
NBW2490	FEXVerification	16.90	16.85	0.0001	74.20	74.15	5954
NBW2510	FEXVerification	17.74	17.32	0.0001	71.46	71.23	2032
NBW2530	FEXVerification	17.92	17.58	0.0001	60.31	60.98	2010
NBW2550	FEXVerification	17.95	17.61	0.0000	1.74	2.90	450
NBW2570	FEXVerification	17.96	17.66	0.0000	1.75	1.74	3049
NBW2590	FEXVerification	18.06	17.74	0.0002	48.98	49.57	1098
NBW2610	FEXVerification	17.00	16.98	-0.0004	84.60	88.37	22730
NBW2630	FEXVerification	17.98	17.86	0.0001	78.73	78.38	40519
NBW2650	FEXVerification	16.97	16.95	-0.0002	26.39	26.93	2160
NBW2670	FEXVerification	16.42	16.37	-0.0001	28.36	29.19	1830
NBW2680	FEXVerification	17.73	17.27	-0.0001	27.73	28.39	2112
NBW2690	FEXVerification	15.40	15.66	0.0002	231.87	228.13	7486

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW2710	FEXVerification	17.73	17.27	-0.0001	1.44	2.75	510
NBW2730	FEXVerification	18.29	17.83	0.0000	1.25	0.05	3920
NBW2770	FEXVerification	18.09	17.97	0.0001	14.31	13.37	1310
NBW2775	FEXVerification	6.59	6.22	0.0000	7.40	5.32	12679
NBW2780	FEXVerification	18.38	18.06	-0.0002	27.48	24.12	19358
NBW2790	FEXVerification	18.38	18.29	-0.0001	90.87	90.07	75860
NBW2810	FEXVerification	18.39	18.30	-0.0002	36.43	36.29	66176
NBW2830	FEXVerification	18.40	18.30	-0.0001	31.71	24.14	92677
NC01	FEXVerification	0.00	3.60	0.0000	5.24	5.19	699
NC01B	FEXVerification	0.00	5.60	0.0000	5.25	5.03	1876
NC02	FEXVerification	0.00	3.33	0.0000	50.49	50.49	1891
NC03	FEXVerification	0.00	2.62	0.0001	54.13	54.13	1239
NC04	FEXVerification	0.00	2.88	0.0000	9.73	9.03	5538
NC05	FEXVerification	0.00	2.51	0.0000	6.76	6.74	437
NC06	FEXVerification	0.00	2.44	0.0000	6.57	6.55	437
NC07	FEXVerification	0.00	2.11	0.0000	3.09	3.08	437
NC08	FEXVerification	0.00	2.61	0.0000	7.28	7.24	568
NCL0010	FEXVerification	2.00	2.00	0.0000	463.01	0.00	0
NCL0030	FEXVerification	2.36	2.62	-0.0001	437.19	437.20	6856
NCL0050	FEXVerification	2.36	2.62	0.0000	0.42	0.92	439
NCL0070	FEXVerification	5.20	4.83	-0.0001	48.13	47.62	9086
NCL0090	FEXVerification	6.06	5.86	-0.0002	28.51	20.92	46943
NCL0110	FEXVerification	3.04	3.07	0.0005	520.07	519.98	6623
NCL0130	FEXVerification	4.05	3.12	0.0002	78.81	78.92	565

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	n						
NCL0150	FEXVerification	4.95	3.44	0.0000	78.85	78.81	2802
NCL0170	FEXVerification	5.08	3.52	0.0000	50.88	50.99	1380
NCL0190	FEXVerification	5.08	3.52	0.0000	1.41	1.46	438
NCL0210	FEXVerification	5.85	3.82	0.0000	47.01	47.06	1234
NCL0230	FEXVerification	6.60	3.99	0.0000	10.32	9.84	530
NCL0250	FEXVerification	6.60	4.13	0.0000	0.00	0.00	436
NCL0270	FEXVerification	6.60	5.77	0.0000	2.45	2.44	977
NCL0290	FEXVerification	5.90	3.88	-0.0001	33.93	34.04	924
NCL0310	FEXVerification	6.10	4.16	0.0003	38.28	33.93	1045
NCL0330	FEXVerification	5.95	4.16	0.0000	0.85	1.22	513
NCL0350	FEXVerification	6.60	4.41	-0.0002	33.20	38.18	1373
NCL0370	FEXVerification	7.36	6.49	-0.0001	25.71	25.36	1195
NCL0390	FEXVerification	4.02	3.94	0.0012	436.49	461.19	4339
NCL0410	FEXVerification	4.09	3.97	-0.0001	3.13	3.75	819
NCL0430	FEXVerification	4.23	4.01	0.0000	3.21	3.13	639
NCL0450	FEXVerification	4.75	4.61	0.0017	429.20	436.06	3676
NCL0470	FEXVerification	5.43	5.23	-0.0011	417.40	429.38	3437
NCL0490	FEXVerification	6.48	6.20	0.0005	420.00	421.15	15945
NCL0510	FEXVerification	6.67	6.27	0.0002	20.56	20.40	1152
NCL0530	FEXVerification	8.10	6.79	0.0004	40.47	13.33	1191
NCL0550	FEXVerification	8.17	6.81	-0.0001	13.87	40.47	880
NCL0570	FEXVerification	8.66	6.89	0.0000	7.43	6.74	840
NCL0590	FEXVerification	7.00	6.68	0.0007	398.21	398.48	3392

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL0610	FEXVerification	7.52	7.18	0.0007	397.16	397.41	3640
NCL0630	FEXVerification	8.06	7.70	-0.0004	396.59	396.84	4608
NCL0650	FEXVerification	8.12	7.75	-0.0003	45.92	102.60	1613
NCL0670	FEXVerification	8.67	8.25	0.0003	130.71	45.92	1693
NCL0690	FEXVerification	8.76	8.35	0.0001	32.24	35.14	605
NCL0710	FEXVerification	8.95	8.55	0.0001	32.34	31.79	600
NCL0730	FEXVerification	9.26	8.90	-0.0001	33.92	32.34	554
NCL0750	FEXVerification	9.56	9.26	0.0000	41.54	36.18	31317
NCL0770	FEXVerification	10.12	9.82	0.0000	29.80	29.63	2177
NCL0790	FEXVerification	8.69	8.27	-0.0005	29.28	101.59	895
NCL0810	FEXVerification	8.84	8.39	0.0001	29.14	29.28	1379
NCL0830	FEXVerification	8.93	8.60	-0.0006	365.48	367.05	15698
NCL0850	FEXVerification	9.01	8.65	0.0001	50.37	48.29	4521
NCL0870	FEXVerification	9.37	8.71	0.0001	68.68	68.44	2022
NCL0890	FEXVerification	9.65	8.75	0.0001	53.89	53.63	1590
NCL0910	FEXVerification	9.71	8.76	0.0001	3.91	3.11	488
NCL0930	FEXVerification	9.57	8.85	0.0001	51.07	50.79	2109
NCL0950	FEXVerification	9.89	8.98	0.0001	43.14	42.26	3142
NCL0970	FEXVerification	10.41	9.11	0.0000	25.13	22.94	2265
NCL0990	FEXVerification	11.00	9.32	0.0000	16.76	17.03	1495
NCL1010	FEXVerification	11.14	9.37	0.0000	3.56	3.65	632
NCL1030	FEXVerification	9.67	8.73	-0.0002	17.63	33.51	1475
NCL1050	FEXVerification	10.46	8.73	0.0001	4.55	2.98	614
NCL1070	FEXVerification	9.30	8.73	0.0001	3.29	1.09	625

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	n						
NCL1090	FEXVerification	9.76	9.64	0.0000	28.02	12.22	15774
NCL1110	FEXVerification	9.85	9.29	0.0001	16.88	17.03	2041
NCL1130	FEXVerification	9.76	9.64	0.0001	14.76	16.70	12593
NCL1150	FEXVerification	9.76	9.64	0.0001	365.81	382.65	144400
NCL1170	FEXVerification	10.59	10.68	0.0005	375.25	359.30	65208
NCL1190	FEXVerification	10.72	10.71	0.0001	46.07	45.77	1850
NCL1210	FEXVerification	10.63	10.71	0.0001	16.63	11.38	39824
NCL1230	FEXVerification	10.94	10.75	0.0001	46.36	46.07	1432
NCL1250	FEXVerification	11.11	10.77	0.0001	46.66	46.36	1231
NCL1270	FEXVerification	11.34	10.81	0.0001	46.96	46.66	1221
NCL1290	FEXVerification	13.06	11.58	0.0000	26.53	25.34	1408
NCL1310	FEXVerification	14.77	13.05	0.0000	18.65	18.91	788
NCL1330	FEXVerification	10.60	10.68	0.0001	102.39	108.22	68403
NCL1350	FEXVerification	10.63	10.71	0.0001	106.54	101.75	36015
NCL1370	FEXVerification	10.63	10.71	-0.0002	11.29	20.42	812
NCL1390	FEXVerification	10.63	10.72	0.0001	8.64	3.99	563
NCL1410	FEXVerification	10.63	10.72	0.0001	4.37	1.40	513
NCL1430	FEXVerification	10.70	10.84	0.0007	388.78	352.90	106651
NCL1450	FEXVerification	10.93	11.36	0.0017	373.20	372.96	3036
NCL1470	FEXVerification	12.72	12.60	0.0003	328.42	326.48	4439
NCL1490	FEXVerification	14.45	14.27	0.0000	2.58	2.56	756
NCL1510	FEXVerification	11.06	11.43	0.0006	43.58	72.40	862
NCL1530	FEXVerification	12.54	12.18	0.0002	38.79	38.52	3343

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL1550	FEXVerification	13.13	12.70	-0.0001	37.58	37.53	1021
NCL1570	FEXVerification	13.31	12.72	0.0001	3.70	2.15	504
NCL1590	FEXVerification	13.70	13.66	0.0000	0.99	0.97	1307
NCL1610	FEXVerification	13.37	12.73	0.0000	1.60	1.46	469
NCL1630	FEXVerification	13.57	13.14	-0.0002	53.01	36.64	881
NCL1650	FEXVerification	13.68	13.18	0.0002	36.30	52.05	1293
NCL1670	FEXVerification	14.02	13.20	0.0001	6.06	5.38	592
NCL1690	FEXVerification	17.47	16.21	0.0000	31.97	31.72	1258
NCL1710	FEXVerification	17.89	16.51	0.0000	30.80	30.36	614
NCL1730	FEXVerification	18.27	16.80	0.0001	28.07	27.55	567
NCL1750	FEXVerification	18.24	16.80	-0.0002	11.34	11.19	513
NCL1770	FEXVerification	18.07	16.83	0.0000	11.52	11.34	487
NCL1790	FEXVerification	15.78	14.38	0.0001	328.54	326.19	5864
NCL1810	FEXVerification	18.13	17.68	-0.0001	27.55	26.22	6086
NCL1830	FEXVerification	18.39	16.09	0.0001	307.79	305.18	6250
NCL1850	FEXVerification	18.50	16.33	-0.0003	73.36	79.05	911
NCL1870	FEXVerification	19.01	17.55	0.0001	73.06	73.36	1005
NCL1890	FEXVerification	19.15	17.87	0.0003	72.82	73.06	983
NCL1910	FEXVerification	19.15	17.87	0.0000	2.32	1.27	538
NCL1930	FEXVerification	19.91	19.84	0.0000	2.33	2.32	1488
NCL1950	FEXVerification	19.15	17.80	0.0000	0.03	0.00	489
NCL1970	FEXVerification	21.67	21.63	0.0000	1.31	1.28	2975
NCL1990	FEXVerification	19.58	18.92	-0.0002	72.48	72.63	916
NCL2010	FEXVerification	19.74	19.28	0.0000	42.44	41.55	1109

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	n						
NCL2030	FEXVerification	19.76	19.31	-0.0001	6.11	7.49	9735
NCL2050	FEXVerification	19.76	19.32	0.0000	39.21	38.09	1416
NCL2070	FEXVerification	19.76	19.32	0.0000	2.00	2.75	915
NCL2090	FEXVerification	19.87	19.53	0.0002	40.58	39.21	1415
NCL2110	FEXVerification	20.03	19.55	-0.0005	16.17	17.05	873
NCL2130	FEXVerification	19.87	19.58	-0.0001	33.78	30.02	10583
NCL2150	FEXVerification	20.75	19.98	0.0007	38.55	111.40	7549
NCL2170	FEXVerification	19.85	19.61	-0.0001	95.85	94.72	10816
NCL2230	FEXVerification	19.13	17.07	0.0002	261.24	258.48	5806
NCL2250	FEXVerification	19.55	17.82	0.0001	245.50	242.82	4441
NCL2270	FEXVerification	20.05	18.94	0.0001	112.48	109.16	2533
NCL2290	FEXVerification	19.88	19.03	0.0001	5.21	4.57	782
NCL2310	FEXVerification	20.45	19.82	0.0001	101.61	101.13	1780
NCL2330	FEXVerification	20.74	20.41	0.0001	102.37	101.61	24200
NCL2350	FEXVerification	20.78	20.52	0.0001	92.99	91.75	1888
NCL2370	FEXVerification	20.81	20.58	0.0000	89.76	88.28	2300
NCL2390	FEXVerification	20.84	20.69	0.0001	83.42	80.74	35978
NCL2410	FEXVerification	21.07	20.79	0.0000	30.26	29.46	1380
NCL2430	FEXVerification	21.32	20.90	0.0000	30.77	29.91	1474
NCL2450	FEXVerification	21.25	20.87	0.0001	4.50	4.41	493
NCL2470	FEXVerification	20.93	20.74	0.0000	14.55	14.10	756
NCL2490	FEXVerification	21.54	21.01	0.0001	27.82	26.83	1524
NCL2510	FEXVerification	21.70	21.08	-0.0001	54.06	50.91	58785

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL2530	FEXVerification	21.70	21.09	0.0001	25.77	24.65	29451
NCL2540	FEXVerification	0.00	21.82	0.0000	36.30	35.27	31953
NCL2550	FEXVerification	21.70	21.09	0.0001	20.61	20.19	9037
NCL2570	FEXVerification	21.51	21.08	0.0001	19.42	19.76	1503
NCL2580	FEXVerification	0.00	21.08	0.0001	56.09	53.15	22783
NCL2590	FEXVerification	21.17	21.07	0.0001	90.30	83.45	89961
NCL2610	FEXVerification	21.14	21.07	0.0001	59.52	59.10	20599
NCL2630	FEXVerification	20.86	20.67	0.0001	44.22	43.18	30728
NCL2631	FEXVerification	0.00	20.18	-0.0001	46.66	43.03	28812
NCL2650	FEXVerification	21.17	21.19	0.0001	56.14	47.61	58855
NCL2670	FEXVerification	21.93	21.97	0.0001	35.52	35.00	36571
NCL2690	FEXVerification	21.96	22.07	0.0001	26.35	23.69	30628
NCL2710	FEXVerification	21.96	22.10	0.0001	25.32	21.75	40830
NCL2730	FEXVerification	21.95	22.12	0.0001	20.27	20.88	2003
NCL2750	FEXVerification	21.84	22.12	0.0001	19.29	20.03	1469
NCL2770	FEXVerification	21.71	22.07	0.0001	18.52	19.17	1389
NCL2780	FEXVerification	0.00	21.99	0.0000	7.47	6.53	15532
NCL2790	FEXVerification	21.84	22.06	0.0000	72.00	66.94	78779
NCL2810	FEXVerification	22.11	22.58	-0.0001	42.68	41.07	13082
NCL2830	FEXVerification	23.09	22.59	0.0000	11.37	11.11	1239
NCL2835	FEXVerification	0.00	23.66	0.0000	7.12	7.41	1153
NCL2840	FEXVerification	0.00	23.63	0.0000	45.16	44.65	19623
NCL2845	FEXVerification	0.00	24.17	0.0000	25.48	24.28	12430
NCL2850	FEXVerification	20.82	20.64	0.0000	21.67	22.36	1361

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
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NCL2870	FEXVerification	20.83	20.74	0.0000	20.93	21.59	1253
NCL2890	FEXVerification	20.83	20.84	0.0000	19.96	20.93	13692
NCL2910	FEXVerification	20.83	20.84	-0.0001	28.43	20.55	39324
NCL2930	FEXVerification	19.55	17.86	0.0003	164.39	160.97	2979
NCL2950	FEXVerification	19.53	18.04	0.0001	159.73	154.88	5719
NCL2970	FEXVerification	20.49	20.26	0.0002	32.63	31.69	4111
NCL2990	FEXVerification	19.33	18.15	0.0001	145.77	149.93	5902
NCL3010	FEXVerification	19.35	18.25	0.0001	136.20	141.93	5987
NCL3030	FEXVerification	19.58	18.29	0.0002	129.74	135.61	6657
NCL3050	FEXVerification	19.94	19.48	0.0002	43.24	41.89	3692
NCL3070	FEXVerification	20.14	19.95	0.0000	24.15	21.84	8788
NCL3090	FEXVerification	19.59	18.29	0.0002	121.20	126.51	12589
NCL3110	FEXVerification	19.59	18.79	0.0002	40.66	31.48	28119
NCL3130	FEXVerification	19.59	18.82	0.0001	15.42	17.23	4182
NCL3150	FEXVerification	19.54	18.23	0.0002	117.96	119.02	5803
NCL3170	FEXVerification	19.71	19.23	0.0001	40.86	38.72	2278
NCL3190	FEXVerification	20.31	19.90	-0.0002	38.73	33.66	45503
NCL3210	FEXVerification	20.32	19.95	-0.0002	26.11	21.81	23657
NCL3230	FEXVerification	20.32	20.01	0.0001	8.46	8.10	4855
NCL3250	FEXVerification	19.11	17.83	0.0002	111.42	112.21	18710
NCL3270	FEXVerification	19.11	18.25	0.0001	25.03	24.86	1736
NCL3280	FEXVerification	0.00	18.38	0.0001	23.37	22.91	999
NCL3290	FEXVerification	20.16	19.00	0.0000	20.41	19.26	1658

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL3300	FEXVerification	0.00	19.10	0.0000	2.68	2.05	737
NCL3310	FEXVerification	20.19	18.97	0.0000	2.00	1.89	751
NCL3330	FEXVerification	20.75	18.70	0.0000	2.83	2.83	437
NCL3350	FEXVerification	20.51	19.98	0.0000	16.05	13.14	6311
NCL3360	FEXVerification	0.00	20.21	0.0000	3.92	3.10	4635
NCL3365	FEXVerification	0.00	19.99	0.0001	6.79	5.59	10210
NCL3370	FEXVerification	20.64	20.57	-0.0003	24.82	15.88	63880
NCL3390	FEXVerification	20.83	20.84	-0.0001	24.62	22.87	34079
NCL3410	FEXVerification	20.83	20.84	0.0001	3.04	3.01	477
NCL3430	FEXVerification	20.83	20.84	0.0000	3.43	1.51	3230
NCL3450	FEXVerification	18.92	17.43	0.0008	199.24	193.58	31721
NCL3460	FEXVerification	18.92	17.27	-0.0008	108.20	121.65	2556
NCL3470	FEXVerification	19.11	17.85	0.0001	77.30	74.59	67341
NCL3490	FEXVerification	19.15	18.22	0.0001	48.77	48.49	11588
NCL3510	FEXVerification	20.64	18.98	0.0001	44.13	44.10	2082
NCL3520	FEXVerification	0.00	19.20	0.0000	55.48	55.46	13120
NCL3530	FEXVerification	20.66	20.17	0.0001	51.04	37.45	37585
NCL3550	FEXVerification	20.66	20.17	0.0001	4.65	3.41	737
NCL3570	FEXVerification	20.66	20.16	0.0001	2.70	1.82	627
NCL3590	FEXVerification	20.66	20.16	0.0000	1.46	1.05	4196
NCL3610	FEXVerification	20.66	20.17	0.0001	23.24	23.71	1245
NCL3630	FEXVerification	20.64	20.17	-0.0001	76.32	56.33	88005
NCL3635	FEXVerification	0.00	20.18	-0.0001	12.87	10.24	1540
NCL3640	FEXVerification	0.00	20.18	0.0001	6.88	6.56	7954

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
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NCL3650	FEXVerification	18.92	17.44	0.0000	2.10	1.71	498
NCL3670	FEXVerification	18.92	17.56	0.0000	6.31	6.17	436
NCL3690	FEXVerification	18.92	17.45	0.0005	193.58	204.40	3204
NCL3730	FEXVerification	18.92	17.47	0.0000	213.71	83.56	110979
NCL3740	FEXVerification	0.00	17.64	0.0000	11.10	6.83	13728
NCL3750	FEXVerification	18.93	18.27	-0.0005	109.29	72.97	111389
NCL3770	FEXVerification	18.93	18.27	-0.0003	38.87	24.37	57437
NCL4000	FEXVerification	0.00	29.68	0.0000	25.33	25.30	4960
NCL4010	FEXVerification	0.00	29.37	0.0000	19.53	19.33	12512
NCypEast	FEXVerification	32.00	29.00	0.0000	5.47	0.00	0
NCypWest	FEXVerification	32.00	29.93	0.0000	0.00	0.00	0
NOC0010	FEXVerification	2.00	2.00	0.0000	334.80	0.00	0
NOC0030	FEXVerification	1.14	2.16	0.0199	359.50	350.33	504
NOC0050	FEXVerification	1.20	2.26	0.0184	307.97	308.11	530
NOC0070	FEXVerification	1.45	2.66	-0.0074	301.57	301.10	516
NOC0090	FEXVerification	2.91	2.88	0.0030	122.11	122.19	446
NOC0110	FEXVerification	1.65	2.69	-0.0052	168.69	169.16	455
NOC0130	FEXVerification	3.06	2.98	0.0016	168.66	168.69	528
NOC0150	FEXVerification	3.08	2.99	0.0000	1.83	1.86	497
NOC0170	FEXVerification	4.56	4.67	0.0000	7.75	7.75	1211
NOC0190	FEXVerification	5.09	3.44	0.0005	167.03	166.84	1077
NOC0210	FEXVerification	5.68	3.86	0.0000	15.36	15.24	781
NOC0230	FEXVerification	5.12	3.46	-0.0001	5.08	5.30	742

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NOC0250	FEXVerification	5.30	3.59	0.0000	5.05	5.08	984
NOC0270	FEXVerification	5.57	3.79	0.0000	2.84	2.76	676
NOC0290	FEXVerification	5.11	3.49	-0.0002	170.28	170.38	1836
NOC0310	FEXVerification	5.27	3.58	-0.0002	33.78	33.88	450
NOC0330	FEXVerification	5.85	3.64	0.0001	136.69	136.64	2431
NOC0350	FEXVerification	5.89	3.82	-0.0001	111.08	110.99	1837
NOC0370	FEXVerification	6.47	4.82	-0.0001	62.19	62.09	2022
NOC0390	FEXVerification	6.60	4.92	-0.0001	39.19	39.58	2171
NOC0410	FEXVerification	6.95	5.17	0.0000	33.07	33.67	2496
NOC0430	FEXVerification	7.01	5.27	0.0000	22.80	23.95	1762
NOC0450	FEXVerification	7.62	5.38	0.0000	15.60	17.87	2437
NOC0470	FEXVerification	8.12	5.63	0.0001	8.65	9.53	726
NOC0490	FEXVerification	7.67	5.43	0.0000	2.28	2.85	1038
NRU0010	FEXVerification	2.00	2.00	0.0000	444.37	0.00	0
NRU0030	FEXVerification	2.84	2.29	-0.0002	197.31	200.60	2468
NRU0050	FEXVerification	4.36	3.50	0.0001	197.38	197.31	2036
NRU0070	FEXVerification	5.61	3.92	-0.0001	206.75	197.38	2549
NRU0090	FEXVerification	5.66	4.31	-0.0001	33.99	34.22	700
NRU0110	FEXVerification	6.23	4.23	-0.0001	183.50	184.13	5430
NRU0130	FEXVerification	7.66	4.60	-0.0002	146.94	174.93	2616
NRU0150	FEXVerification	7.71	4.62	-0.0001	139.51	141.43	496
NRU0160	FEXVerification	0.00	12.61	0.0000	139.54	139.47	4959
NRU0165	FEXVerification	0.00	12.71	0.0000	2.66	2.71	474
NRU0170	FEXVerification	14.45	14.04	0.0001	138.99	137.46	4979

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	n						
NRU0172	FEXVerification	0.00	14.13	0.0001	7.08	7.16	830
NRU0174	FEXVerification	0.00	14.33	0.0000	7.02	7.08	799
NRU0176	FEXVerification	0.00	14.91	0.0000	6.96	7.02	764
NRU0178	FEXVerification	0.00	15.66	-0.0001	8.45	6.96	966
NRU0180	FEXVerification	0.00	15.99	-0.0001	24.04	10.09	65382
NRU0190	FEXVerification	14.45	14.40	-0.0003	16.97	20.20	516
NRU0210	FEXVerification	14.45	14.67	0.0000	14.85	14.19	602
NRU0230	FEXVerification	13.39	14.94	-0.0001	10.51	7.69	14447
NRU0250	FEXVerification	14.62	14.52	0.0001	109.79	109.10	3617
NRU0270	FEXVerification	15.05	15.25	0.0001	98.60	98.63	2624
NRU0290	FEXVerification	16.30	15.81	-0.0001	12.01	13.91	623
NRU0310	FEXVerification	16.13	15.92	0.0001	88.59	89.06	2502
NRU0330	FEXVerification	18.25	17.23	0.0001	28.91	29.42	1352
NRU0335	FEXVerification	0.00	18.27	0.0000	4.70	4.31	861
NRU0340	FEXVerification	0.00	18.23	0.0001	27.74	27.90	12193
NRU0343	FEXVerification	0.00	19.02	-0.0001	11.39	9.82	920
NRU0345	FEXVerification	0.00	19.28	-0.0001	17.75	12.18	42383
NRU0350	FEXVerification	19.50	18.45	0.0001	15.49	15.95	978
NRU0370	FEXVerification	19.51	18.57	0.0001	14.43	14.89	4505
NRU0380	FEXVerification	23.33	18.58	0.0001	7.06	7.51	470
NRU0390	FEXVerification	27.00	18.58	0.0000	7.88	7.06	16821
NRU0410	FEXVerification	19.56	18.74	0.0001	9.82	10.40	1100
NRU0425	FEXVerification	15.53	14.56	0.0000	2.16	1.60	1472

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0430	FEXVerification	19.61	18.89	0.0001	9.41	9.82	1077
NRU0450	FEXVerification	19.66	19.06	0.0001	9.05	9.41	1041
NRU0470	FEXVerification	19.72	19.81	0.0001	8.77	9.05	799
NRU0490	FEXVerification	20.36	19.91	0.0001	5.16	4.62	3416
NRU0495	FEXVerification	0.00	19.97	-0.0001	4.16	2.80	650
NRU0500	FEXVerification	0.00	21.20	0.0000	1.18	1.06	3854
NRU0510	FEXVerification	19.67	19.85	-0.0001	8.89	6.45	32653
NRU0530	FEXVerification	16.95	16.64	0.0001	59.72	59.95	2252
NRU0550	FEXVerification	17.92	17.40	0.0001	61.43	59.72	24422
NRU0570	FEXVerification	18.16	17.54	0.0001	58.77	58.95	1523
NRU0590	FEXVerification	18.51	17.74	0.0001	58.44	58.60	1745
NRU0610	FEXVerification	18.78	17.90	0.0001	58.21	58.37	2506
NRU0612	FEXVerification	0.00	17.90	0.0001	56.87	57.04	1567
NRU0615	FEXVerification	0.00	19.06	0.0001	11.24	8.31	2158
NRU0616	FEXVerification	0.00	19.91	0.0001	5.66	3.89	3179
NRU0618	FEXVerification	0.00	20.22	0.0000	5.01	3.74	6389
NRU0620	FEXVerification	0.00	19.70	-0.0001	10.51	8.87	14215
NRU0630	FEXVerification	18.79	17.89	0.0001	56.53	56.68	2176
NRU0650	FEXVerification	18.79	17.88	0.0001	56.33	56.48	1809
NRU0670	FEXVerification	18.78	17.88	0.0001	56.08	56.23	1429
NRU0690	FEXVerification	18.84	17.89	0.0001	55.94	56.08	1934
NRU0710	FEXVerification	18.86	17.92	0.0001	61.67	60.67	9268
NRU0730	FEXVerification	18.85	18.33	0.0001	17.67	16.66	13439
NRU0740	FEXVerification	0.00	17.95	0.0001	65.45	64.23	19287

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
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NRU0745	FEXVerification	0.00	17.96	0.0001	67.89	58.00	31146
NRU0750	FEXVerification	18.87	17.96	0.0001	93.66	50.63	144107
NRU0770	FEXVerification	18.88	17.96	0.0001	28.93	29.38	1008
NRU0785	FEXVerification	0.00	17.96	0.0001	28.40	28.93	30195
NRU0790	FEXVerification	18.88	17.97	0.0001	40.92	28.40	69383
NRU0810	FEXVerification	18.88	17.96	0.0001	8.64	2.78	10363
NRU0820	FEXVerification	0.00	17.93	0.0000	2.78	2.63	442
NRU0830	FEXVerification	18.99	17.86	0.0001	26.05	26.57	1511
NRU0850	FEXVerification	19.11	17.69	0.0001	35.35	35.35	1189
NRU0870	FEXVerification	19.32	17.75	-0.0005	15.97	16.50	560
NRU0890	FEXVerification	19.35	17.76	0.0000	46.76	19.30	58614
NRU0910	FEXVerification	19.35	17.76	0.0000	0.73	0.66	577
NRU0930	FEXVerification	19.35	19.37	0.0000	0.86	0.73	1742
NRU0950	FEXVerification	19.11	17.81	0.0001	21.74	20.08	15193
NRU0955	FEXVerification	0.00	17.82	0.0001	25.64	24.82	15120
NRU0960	FEXVerification	0.00	18.13	0.0000	30.36	29.62	18570
NRU0965	FEXVerification	0.00	18.23	0.0001	38.75	38.52	29454
NRU0970	FEXVerification	19.34	17.80	0.0002	15.12	8.31	3567
NRU0980	FEXVerification	0.00	17.80	0.0002	8.70	8.01	1097
NRU0990	FEXVerification	19.39	17.79	-0.0001	27.68	27.42	440
NRU1010	FEXVerification	19.70	17.80	0.0001	28.00	27.68	463
NRU1015	FEXVerification	0.00	17.81	0.0000	4.27	3.99	696
NRU1020	FEXVerification	0.00	17.85	-0.0060	10.54	9.66	866

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1025	FEXVerification	0.00	17.82	-0.0001	3.99	3.73	724
NRU1030	FEXVerification	19.70	17.86	-0.0001	29.03	23.00	20185
NRU1035	FEXVerification	0.00	17.87	0.0000	2.68	2.47	436
NRU1037	FEXVerification	0.00	17.96	0.0000	2.27	1.05	637
NRU1040	FEXVerification	0.00	17.81	0.0000	26.36	25.82	8066
NRU1045	FEXVerification	0.00	17.85	-0.0001	5.72	5.70	661
NRU1046	FEXVerification	0.00	17.85	0.0060	5.70	4.74	972
NRU1050	FEXVerification	19.70	17.99	0.0000	24.17	22.15	10014
NRU1070	FEXVerification	19.83	18.20	0.0000	8.94	8.77	1141
NRU1090	FEXVerification	18.86	17.96	0.0001	16.12	12.81	919
NRU1110	FEXVerification	18.86	17.96	0.0001	24.69	17.70	44303
NRU1130	FEXVerification	18.86	17.96	0.0001	10.54	9.09	772
NRU1150	FEXVerification	18.86	17.96	0.0001	14.53	14.19	13159
NRU1170	FEXVerification	18.86	18.60	0.0001	13.49	10.31	10015
NRU1182	FEXVerification	0.00	18.04	0.0001	8.86	7.87	836
NRU1184	FEXVerification	0.00	18.08	0.0001	7.84	7.48	873
NRU1185	FEXVerification	0.00	18.30	0.0001	5.00	4.89	661
NRU1186	FEXVerification	0.00	18.16	0.0001	7.07	4.08	790
NRU1188	FEXVerification	0.00	17.43	0.0000	2.04	0.00	18111
NRU1190	FEXVerification	18.86	18.60	0.0001	6.34	4.32	576
NRU1210	FEXVerification	18.86	18.60	0.0001	9.55	6.32	900
NRU1220	FEXVerification	0.00	19.01	0.0000	6.24	6.73	1160
NRU1225	FEXVerification	0.00	19.71	0.0000	1.61	1.57	436
NRU1230	FEXVerification	18.88	17.97	0.0001	18.72	15.24	907

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
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NRU1232	FEXVerification	0.00	17.97	0.0002	15.24	11.40	846
NRU1234	FEXVerification	0.00	17.97	0.0001	5.66	1.01	2353
NRU1240	FEXVerification	0.00	17.97	0.0001	2.84	2.52	3940
NRU1250	FEXVerification	4.07	3.98	-0.0004	243.79	243.77	2104
NRU1270	FEXVerification	4.78	4.57	-0.0001	242.43	242.40	1667
NRU1290	FEXVerification	5.41	5.10	0.0001	237.49	237.42	3103
NRU1310	FEXVerification	6.42	5.85	0.0000	237.94	237.49	5053
NRU1330	FEXVerification	8.29	7.40	0.0000	238.52	238.06	3357
NRU1350	FEXVerification	9.32	8.48	0.0000	236.29	236.23	2409
NRU1370	FEXVerification	11.03	9.64	0.0000	233.56	233.54	5323
NRU1390	FEXVerification	11.84	10.13	0.0000	34.96	34.19	1333
NRU1410	FEXVerification	12.56	10.69	0.0000	199.44	200.01	7523
NRU1430	FEXVerification	15.53	14.56	0.0000	24.93	23.82	3371
NRU1450	FEXVerification	15.94	14.81	0.0000	12.68	12.51	1021
NRU1470	FEXVerification	15.97	14.82	0.0000	3.03	4.26	981
NRU1490	FEXVerification	16.09	14.86	0.0000	3.03	3.03	770
NRU1510	FEXVerification	15.12	12.55	0.0000	140.83	140.85	10568
NRU1530	FEXVerification	15.71	14.61	0.0000	74.26	74.82	2444
NRU1550	FEXVerification	15.40	14.91	0.0000	52.73	51.43	1677
NRU1570	FEXVerification	16.20	15.71	0.0000	47.47	45.39	1398
NRU1590	FEXVerification	16.40	15.78	0.0000	4.43	3.92	1284
NRU1610	FEXVerification	16.56	16.16	0.0000	41.48	40.19	1573
NRU1630	FEXVerification	16.69	16.41	0.0000	28.80	26.72	1538

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1650	FEXVerification	16.84	16.60	0.0001	31.03	28.80	1066
NRU1670	FEXVerification	16.89	16.65	0.0001	33.84	28.03	56196
NRU1690	FEXVerification	16.89	16.64	0.0001	30.11	29.69	2559
NRU1710	FEXVerification	16.60	16.22	0.0000	28.84	28.70	1425
NRU1730	FEXVerification	16.58	15.74	0.0000	60.43	19.88	91999
NRU1750	FEXVerification	16.58	15.75	-0.0002	17.36	17.09	720
NRU1770	FEXVerification	16.58	15.95	0.0000	18.55	18.62	1090
NRU1790	FEXVerification	17.21	16.44	0.0000	4.99	4.83	753
NRU1810	FEXVerification	16.58	15.75	0.0000	3.67	3.66	5823
NRU1830	FEXVerification	17.12	16.39	0.0000	12.06	11.91	602
NRU1850	FEXVerification	17.07	16.78	0.0001	20.18	20.00	972
NRU1870	FEXVerification	17.20	16.87	0.0001	20.44	20.18	908
NRU1890	FEXVerification	17.38	16.99	0.0001	27.73	20.44	9102
NRU1910	FEXVerification	17.71	17.36	0.0001	11.31	10.71	1683
NRU1930	FEXVerification	15.71	14.64	0.0000	44.90	45.23	1642
NRU1950	FEXVerification	16.43	15.06	0.0000	43.24	43.38	1646
NRU1970	FEXVerification	16.86	15.33	0.0000	43.12	43.24	1037
NRU1990	FEXVerification	17.09	15.47	0.0000	43.01	43.12	1720
NRU2010	FEXVerification	18.02	16.14	0.0000	9.47	9.30	1505
NRU2030	FEXVerification	18.39	16.45	0.0001	7.64	6.41	681
NRU2050	FEXVerification	18.40	16.46	0.0000	2.44	2.98	453
NRU2070	FEXVerification	18.41	17.71	0.0000	2.45	2.44	436
NRU2090	FEXVerification	17.16	15.52	0.0000	31.54	31.67	983
NRU2110	FEXVerification	17.28	15.61	0.0000	30.53	30.62	1563

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
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NRU2130	FEXVerification	17.49	15.80	0.0000	29.77	29.85	1852
NRU2150	FEXVerification	17.69	16.12	0.0000	4.73	4.62	1045
NRU2170	FEXVerification	17.07	16.33	0.0000	1.73	2.14	772
NRU2190	FEXVerification	17.08	16.40	0.0000	5.27	1.73	25700
NRU2210	FEXVerification	17.33	15.80	0.0001	3.18	2.61	538
NRU2230	FEXVerification	17.33	15.91	0.0000	10.60	0.68	73694
NRU2250	FEXVerification	17.31	15.91	0.0000	1.86	1.79	4620
NRU2270	FEXVerification	17.61	15.87	0.0000	24.08	24.13	1283
NRU2290	FEXVerification	17.67	15.90	0.0000	18.43	18.62	1150
NRU2310	FEXVerification	17.68	15.92	0.0000	13.13	13.49	1271
NRU2330	FEXVerification	17.68	15.93	0.0001	13.28	6.64	757
NRU2350	FEXVerification	17.68	15.93	-0.0001	2.73	10.63	654
NRU2370	FEXVerification	17.37	16.16	0.0000	2.77	2.73	528
NRU2390	FEXVerification	17.36	16.39	0.0000	3.98	2.77	28663
NRU2410	FEXVerification	17.72	15.94	0.0000	5.51	5.78	1099
NRU2430	FEXVerification	17.83	15.95	0.0000	4.66	4.93	925
NRU2450	FEXVerification	18.06	15.96	0.0000	1.92	1.03	588
NRU2470	FEXVerification	15.72	14.61	0.0000	6.40	3.14	1458
NRU2490	FEXVerification	15.75	14.61	0.0000	3.80	1.61	1419
NRU2510	FEXVerification	15.75	14.44	0.0000	1.11	0.58	923
NRU2530	FEXVerification	15.76	14.44	0.0000	0.58	0.13	568
NRU2550	FEXVerification	16.53	13.19	0.0000	49.99	49.05	2428
NRU2570	FEXVerification	17.71	14.38	0.0000	43.41	42.19	1979

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU2590	FEXVerification	18.30	15.46	0.0000	32.23	30.98	1449
NRU2610	FEXVerification	18.62	16.16	0.0000	32.14	30.81	1170
NRU2630	FEXVerification	19.41	17.22	0.0000	23.24	21.75	1128
NRU2650	FEXVerification	19.54	18.06	-0.0001	11.78	10.11	940
NRU2670	FEXVerification	16.64	15.78	0.0000	21.34	21.58	2044
NRU2690	FEXVerification	17.09	16.59	-0.0002	78.95	72.35	105740
NSH02	FEXVerification	0.00	17.96	0.0000	5.78	5.64	436
NSH03	FEXVerification	0.00	19.04	0.0000	0.17	0.00	548
NSH04	FEXVerification	0.00	13.95	0.0000	36.01	33.79	4614
NSH05	FEXVerification	0.00	19.38	-0.0030	2.71	3.62	1481
NSH07	FEXVerification	0.00	3.72	-0.0001	9.66	9.49	623
NSH08	FEXVerification	0.00	6.98	0.0000	8.50	8.34	1624
NSH09	FEXVerification	0.00	7.47	0.0001	21.53	17.62	8328
NSH10	FEXVerification	0.00	18.95	0.0000	6.27	5.71	21619
NSH11	FEXVerification	0.00	20.99	0.0000	3.26	2.96	5750
NSH12	FEXVerification	0.00	19.03	0.0000	2.94	2.49	6537
NSH13	FEXVerification	0.00	17.80	0.0000	8.43	7.93	13516
NSH14	FEXVerification	0.00	17.73	0.0000	4.90	4.49	10747
NSH15	FEXVerification	0.00	18.64	0.0000	1.95	1.79	5261
NSH17	FEXVerification	0.00	17.10	0.0000	8.60	8.58	4429
NSH18	FEXVerification	0.00	15.68	0.0000	8.55	8.48	7475
NSH19	FEXVerification	0.00	11.49	0.0000	7.07	6.92	7882
NSH20	FEXVerification	0.00	20.13	0.0000	1.39	0.95	9797
NSH21	FEXVerification	0.00	8.95	0.0000	5.63	6.16	587

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
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NSH22	FEXVerification	0.00	13.87	0.0000	16.26	11.58	5317
NSH23	FEXVerification	0.00	18.07	0.0000	4.38	4.35	2402
NSH24	FEXVerification	0.00	13.87	0.0000	7.72	5.78	3453
NSH25	FEXVerification	0.00	13.61	-0.0001	8.43	7.93	668
NSH26	FEXVerification	0.00	13.53	-0.0001	32.23	18.70	34830
NSH27	FEXVerification	0.00	11.93	0.0000	3.43	3.68	3920
NSH27A	FEXVerification	0.00	11.92	0.0000	19.05	18.15	921
NSH27AA	FEXVerification	0.00	11.92	-0.0001	3.68	4.40	556
NSH27B	FEXVerification	0.00	10.60	0.0000	18.15	18.94	1033
NSH27C	FEXVerification	0.00	8.38	0.0001	18.94	17.33	1037
NSH28	FEXVerification	0.00	8.41	0.0000	6.62	6.05	6098
NSH29	FEXVerification	0.00	7.43	-0.0001	5.97	11.85	648
NSH31	FEXVerification	0.00	8.33	0.0000	6.05	4.30	480
NSH33	FEXVerification	0.00	16.55	0.0000	1.68	1.59	3704
NSH34	FEXVerification	0.00	7.80	0.0000	15.63	15.61	773
NSH35	FEXVerification	0.00	7.14	0.0000	6.27	5.42	551
NSH36	FEXVerification	0.00	7.12	-0.0001	20.21	20.20	804
NSH37	FEXVerification	0.00	17.96	0.0000	5.77	5.71	6243
NSH41	FEXVerification	0.00	18.86	0.0000	1.96	1.93	436
NSH42	FEXVerification	0.00	2.25	0.0000	19.15	19.14	447
NSH43	FEXVerification	0.00	2.38	0.0001	18.77	18.76	507
NSH44	FEXVerification	0.00	6.64	0.0000	6.14	6.09	670
NSH45	FEXVerification	0.00	16.16	0.0000	15.55	15.16	18763

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSH48	FEXVerification	0.00	18.10	0.0000	5.67	5.62	2404
NSH49	FEXVerification	0.00	20.60	0.0000	6.96	6.26	10883
NSH50	FEXVerification	0.00	14.65	0.0000	10.67	10.62	2692
NSH51	FEXVerification	0.00	15.74	0.0000	12.16	12.06	947
NSH52	FEXVerification	0.00	14.43	-0.0001	31.70	31.03	1772
NSH53	FEXVerification	0.00	14.47	0.0001	12.06	12.01	1010
NSH54	FEXVerification	0.00	14.25	0.0000	32.36	31.80	1343
NSH55	FEXVerification	0.00	14.44	0.0000	4.78	4.69	1595
NSH56	FEXVerification	0.00	14.45	0.0000	1.55	1.68	878
NSH57	FEXVerification	0.00	14.45	0.0000	1.98	1.55	460
NSH60	FEXVerification	0.00	17.43	0.0000	6.17	6.15	436
NSH61	FEXVerification	0.00	14.65	0.0000	1.32	0.48	444
NSH65	FEXVerification	0.00	18.86	0.0000	1.12	1.10	436
NSH75	FEXVerification	0.00	2.87	0.0000	19.79	18.39	4639
NSH80	FEXVerification	0.00	20.14	0.0000	1.69	1.26	7588
NSH81	FEXVerification	0.00	19.61	0.0000	0.13	0.00	926
NSH82	FEXVerification	0.00	19.79	0.0000	0.78	0.00	3940
NSH83	FEXVerification	0.00	20.44	0.0000	7.32	6.55	11557
NSR0000	FEXVerification	2.00	2.00	0.0000	248.11	0.74	0
NSR0005	FEXVerification	2.00	2.00	0.0000	3.42	0.00	0
NSR0010	FEXVerification	2.00	2.00	0.0000	279.59	0.00	0
NSR0030	FEXVerification	2.92	2.80	0.0000	295.17	279.59	214597
NSR0032	FEXVerification	4.88	4.74	0.0000	6.06	1.94	14997
NSR0034	FEXVerification	3.63	3.45	0.0000	29.47	29.02	7527

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
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NSR0050	FEXVerification	3.44	3.24	0.0000	279.46	270.09	81000
NSR0070	FEXVerification	3.45	3.29	0.0000	20.68	20.01	12722
NSR0090	FEXVerification	3.68	3.48	0.0000	17.48	16.79	5166
NSR0100	FEXVerification	2.25	2.18	0.0000	3.43	3.42	524
NSR0102	FEXVerification	4.24	4.21	0.0000	2.51	2.32	2188
NSR0105	FEXVerification	1.91	2.63	-0.0087	248.15	248.11	484
NSR0110	FEXVerification	3.93	3.56	0.0000	9.60	9.41	448
NSR0112	FEXVerification	2.31	2.90	-0.0053	246.60	246.60	457
NSR0115	FEXVerification	4.25	4.24	0.0000	1.24	1.06	5989
NSR0120	FEXVerification	2.62	3.12	-0.0047	243.93	243.98	479
NSR0130	FEXVerification	4.16	3.71	0.0000	5.34	5.13	445
NSR0135	FEXVerification	4.22	3.76	0.0000	1.97	1.70	438
NSR0140	FEXVerification	3.28	3.58	-0.0009	240.89	240.90	477
NSR0150	FEXVerification	3.64	3.39	-0.0001	259.64	256.18	27935
NSR0160	FEXVerification	3.56	3.78	-0.0005	238.59	238.66	1378
NSR0165	FEXVerification	4.03	3.49	0.0000	1.70	1.46	440
NSR0170	FEXVerification	3.70	3.41	0.0000	3.06	2.22	1748
NSR0180	FEXVerification	3.83	3.71	0.0000	3.59	3.14	1784
NSR0190	FEXVerification	4.04	3.40	-0.0001	12.24	12.02	1303
NSR0210	FEXVerification	4.26	3.40	0.0000	11.00	10.57	1312
NSR0230	FEXVerification	4.26	3.41	0.0000	10.97	8.76	5296
NSR0250	FEXVerification	3.93	3.64	-0.0028	251.29	250.01	12764
NSR0270	FEXVerification	3.98	3.68	0.0000	21.91	21.43	5025

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0280	FEXVerification	5.41	5.24	0.0002	196.92	196.38	923
NSR0281	FEXVerification	5.97	5.75	0.0004	197.11	190.71	4724
NSR0290	FEXVerification	6.70	5.67	-0.0002	51.61	51.49	2469
NSR0310	FEXVerification	9.28	8.92	0.0000	44.74	43.00	6839
NSR0330	FEXVerification	9.65	9.15	0.0001	5.74	6.15	470
NSR0350	FEXVerification	10.32	9.58	0.0001	6.22	5.74	446
NSR0370	FEXVerification	10.35	10.09	0.0000	6.25	6.22	4744
NSR0390	FEXVerification	11.96	10.27	0.0000	17.24	17.28	2140
NSR0410	FEXVerification	12.27	10.56	0.0001	3.53	4.42	510
NSR0430	FEXVerification	12.28	12.00	0.0000	5.17	3.53	14808
NSR0450	FEXVerification	13.04	10.73	0.0000	11.35	10.62	1269
NSR0470	FEXVerification	13.10	10.76	0.0000	6.37	5.81	1156
NSR0490	FEXVerification	4.41	4.22	-0.0041	103.52	101.95	12951
NSR0510	FEXVerification	4.48	4.35	-0.0006	45.81	45.58	7430
NSR0530	FEXVerification	4.55	4.38	0.0000	5.75	5.51	437
NSR0540	FEXVerification	4.55	4.46	0.0001	46.99	40.69	34313
NSR0550	FEXVerification	4.56	4.48	-0.0001	273.16	273.15	4813
NSR0560	FEXVerification	4.66	4.58	0.0001	83.45	87.87	37098
NSR0570	FEXVerification	5.28	5.16	0.0001	78.01	80.17	28554
NSR0580	FEXVerification	6.13	5.95	-0.0001	11.46	7.23	43188
NSR0590	FEXVerification	6.15	5.90	-0.0001	76.78	75.06	24189
NSR0610	FEXVerification	6.26	5.95	0.0000	17.65	18.32	32748
NSR0630	FEXVerification	6.26	5.94	0.0000	17.37	17.47	475
NSR0650	FEXVerification	6.25	5.94	-0.0001	19.46	17.37	99333

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	n						
NSR0660	FEXVerification	6.13	4.61	0.0000	4.10	3.87	562
NSR0670	FEXVerification	6.24	5.93	0.0000	7.68	8.78	520
NSR0680	FEXVerification	6.14	5.93	-0.0001	9.84	6.82	62845
NSR0690	FEXVerification	6.24	5.93	0.0000	6.95	7.68	599
NSR0710	FEXVerification	6.23	5.93	0.0000	6.82	6.95	861
NSR0730	FEXVerification	6.29	6.14	-0.0001	101.23	76.88	115607
NSR0770	FEXVerification	6.81	6.59	0.0002	82.04	80.97	3342
NSR0780	FEXVerification	6.74	6.67	-0.0001	6.00	4.99	9292
NSR0790	FEXVerification	8.35	7.93	-0.0002	280.19	260.78	23180
NSR0791	FEXVerification	7.13	6.81	-0.0001	187.52	189.91	5596
NSR0809	FEXVerification	12.76	9.85	-0.0004	68.87	94.12	2127
NSR0810	FEXVerification	13.45	13.30	-0.0003	103.76	102.73	59879
NSR0830	FEXVerification	15.10	15.02	-0.0002	103.56	97.11	96395
NSR0840	FEXVerification	16.09	16.00	0.0000	9.47	10.03	28704
NSR0850	FEXVerification	15.64	15.55	-0.0002	70.88	65.81	61517
NSR0860	FEXVerification	16.41	16.38	0.0000	4.87	4.85	5486
NSR0869	FEXVerification	16.03	16.00	0.0001	30.07	29.92	1505
NSR0870	FEXVerification	16.24	16.25	0.0001	54.23	54.21	25594
NSR0880	FEXVerification	16.24	16.26	0.0000	17.18	16.84	8757
NSR0881	FEXVerification	14.14	14.31	0.0004	234.29	220.81	13396
NSR0890	FEXVerification	4.02	3.74	0.0448	234.91	229.88	27364
NSR0910	FEXVerification	4.79	4.33	-0.0013	145.47	145.16	5937
NSR0930	FEXVerification	5.54	4.35	0.0000	26.55	12.66	59846

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0950	FEXVerification	5.63	5.11	0.0004	141.77	141.32	7636
NSR0970	FEXVerification	6.14	5.55	-0.0002	123.31	123.43	3616
NSR0990	FEXVerification	6.27	5.66	-0.0001	126.89	126.87	3718
NSR1010	FEXVerification	6.30	5.71	0.0000	11.16	11.11	3947
NSR1030	FEXVerification	8.54	8.06	0.0000	117.75	116.06	8717
NSR1050	FEXVerification	8.56	8.06	0.0000	15.38	5.82	16221
NSR1070	FEXVerification	9.58	9.33	-0.0002	127.58	126.35	16426
NSR1090	FEXVerification	11.30	11.08	0.0002	112.42	112.76	6825
NSR1110	FEXVerification	11.57	11.55	0.0000	1.37	1.36	2834
NSR1130	FEXVerification	11.29	11.10	0.0000	12.38	12.08	10834
NSR1150	FEXVerification	11.39	11.09	0.0000	3.40	3.35	4792
NSR1170	FEXVerification	11.38	11.08	0.0000	3.35	3.26	451
NSR1190	FEXVerification	12.70	12.54	0.0000	109.73	109.48	11793
NSR1210	FEXVerification	12.70	12.54	0.0000	11.68	11.26	40274
NSR1230	FEXVerification	14.76	14.45	0.0000	109.86	109.64	9161
NSR1270	FEXVerification	14.99	14.70	0.0000	110.52	110.08	5906
NSR1290	FEXVerification	14.99	14.70	0.0000	5.83	2.68	12585
NSR1310	FEXVerification	14.99	14.70	0.0000	14.54	14.54	24764
NSR1330	FEXVerification	15.44	15.04	0.0000	113.81	109.46	19519
NSR1350	FEXVerification	15.45	15.06	0.0000	18.62	18.36	7516
NSR1370	FEXVerification	15.56	15.17	0.0000	105.48	98.82	19991
NSR1390	FEXVerification	15.56	15.17	0.0000	1.92	1.92	1606
NSR1410	FEXVerification	15.56	15.17	0.0002	22.73	20.67	2087
NSR1430	FEXVerification	15.76	15.45	0.0000	19.19	19.17	4085

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	n						
NSR1450	FEXVerification	15.74	15.38	0.0000	21.06	17.44	45547
NSR1470	FEXVerification	15.96	15.75	0.0000	18.50	18.41	16457
NSR1490	FEXVerification	16.21	16.05	0.0000	43.89	17.13	94553
NSR1510	FEXVerification	16.21	16.05	0.0000	27.46	17.99	26645
NSR1530	FEXVerification	15.56	15.17	0.0000	2.87	2.47	2340
NSR1550	FEXVerification	15.68	15.29	0.0000	108.77	93.53	31188
NSR1570	FEXVerification	15.68	15.29	0.0000	2.01	1.69	1228
NSR1590	FEXVerification	15.68	15.29	0.0001	21.06	22.81	3342
NSR1610	FEXVerification	15.75	15.40	0.0001	15.73	14.47	2499
NSR1630	FEXVerification	15.75	15.40	0.0000	90.10	79.57	18189
NSR1650	FEXVerification	16.39	17.06	0.0000	1.61	1.61	436
NSR1670	FEXVerification	15.92	15.62	-0.0001	15.63	14.79	2793
NSR1690	FEXVerification	16.24	15.82	0.0000	87.46	75.51	17197
NSR1710	FEXVerification	16.25	15.86	0.0000	4.14	3.73	471
NSR1730	FEXVerification	16.32	15.95	0.0000	86.43	83.01	8269
NSR1750	FEXVerification	16.68	16.66	0.0000	1.70	1.70	436
NSR1770	FEXVerification	17.23	17.24	0.0000	21.24	15.86	16024
NSR1790	FEXVerification	17.24	17.25	0.0000	22.22	16.18	27561
NSR1810	FEXVerification	17.25	17.26	-0.0001	9.85	8.61	10066
NSR1830	FEXVerification	17.25	17.26	-0.0001	29.81	24.19	61102
NSR1850	FEXVerification	16.95	16.99	-0.0001	7.29	8.05	13384
NSR1870	FEXVerification	16.93	16.98	0.0001	22.18	16.86	43121
NSR1890	FEXVerification	16.05	16.24	0.0000	13.29	13.57	1056

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR1910	FEXVerification	15.45	15.72	0.0002	39.16	37.33	4816
NSR1930	FEXVerification	16.53	16.11	-0.0001	66.52	66.27	1839
NSR1950	FEXVerification	16.70	16.28	0.0000	17.05	16.71	665
NSR1970	FEXVerification	16.84	16.44	0.0000	15.27	14.85	3399
NSR1990	FEXVerification	16.86	16.51	0.0000	7.25	6.43	949
NSR2010	FEXVerification	16.91	16.57	0.0000	8.48	7.25	7985
NSR2030	FEXVerification	16.90	16.57	0.0000	5.13	4.99	751
NSR2050	FEXVerification	16.88	16.57	0.0000	5.56	4.85	5600
NSR2070	FEXVerification	16.81	16.54	0.0000	4.30	4.41	781
NSR2090	FEXVerification	16.72	16.51	0.0000	4.66	4.30	673
NSR2110	FEXVerification	16.54	16.44	0.0000	8.31	7.74	11775
NSR2130	FEXVerification	16.50	16.43	0.0000	8.15	4.75	88473
NSR2150	FEXVerification	17.60	16.35	0.0000	44.10	41.74	42946
NSR2170	FEXVerification	17.62	16.58	0.0000	33.08	33.06	2088
NSR2190	FEXVerification	17.62	16.66	0.0000	33.10	33.08	967
NSR2210	FEXVerification	17.62	16.81	0.0000	26.86	22.71	42176
NSR2230	FEXVerification	17.62	16.73	0.0000	20.33	19.68	675
NSR2250	FEXVerification	17.63	16.80	0.0000	21.13	20.33	7143
NSR2270	FEXVerification	17.63	16.81	0.0000	21.44	19.96	12115
NSR2290	FEXVerification	17.63	16.84	0.0000	16.96	16.52	888
NSR2310	FEXVerification	17.63	16.87	0.0000	17.68	16.96	3520
NSR2330	FEXVerification	17.65	17.48	0.0000	15.79	12.96	14316
NSR2350	FEXVerification	17.65	17.48	0.0001	12.86	10.93	16227
NSR2370	FEXVerification	16.66	16.11	0.0000	14.77	12.57	9676

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	n						
NSR2390	FEXVerification	18.07	17.88	0.0000	6.74	0.00	51654
NSR2410	FEXVerification	16.66	16.12	0.0000	23.59	14.77	15649
NSR2430	FEXVerification	17.99	17.96	0.0000	1.51	1.49	2259
NSR2450	FEXVerification	18.06	18.00	0.0000	21.41	21.16	12148
NSR3000	FEXVerification	17.04	17.06	-0.0727	4.38	49.45	871
NSR3005	FEXVerification	17.02	17.04	0.1453	49.45	3.76	566
NSR3020	FEXVerification	17.61	17.67	-0.0001	21.29	20.56	59430
NSR3040	FEXVerification	16.25	16.27	0.0001	42.38	41.10	30315
NSR3060	FEXVerification	16.21	16.05	-0.0001	10.09	9.37	35941
NSW0010	FEXVerification	2.00	2.00	0.0000	16.36	0.00	0
NSW0030	FEXVerification	2.13	2.35	0.0003	16.36	16.36	587
NSW0050	FEXVerification	4.04	3.07	-0.0001	16.40	16.36	959
Outfall	FEXVerification	2.00	2.00	0.0000	28.80	0.00	0
Outfall_NE	FEXVerification	21.00	18.24	0.0001	8.14	0.00	0
PondA	FEXVerification	0.00	19.04	0.0000	9.74	0.17	28925
PondB	FEXVerification	0.00	12.79	0.0000	58.77	32.05	67410
SH_OUTFALL	FEXVerification	2.00	2.00	0.0000	103.26	0.00	0
STORAGE1	FEXVerification	0.00	18.70	0.0000	2.83	1.14	7405
STORAGE10	FEXVerification	0.00	18.86	0.0000	1.10	0.00	9148
STORAGE11	FEXVerification	0.00	17.96	0.0000	5.64	0.00	18648
STORAGE12	FEXVerification	0.00	17.85	0.0000	9.66	5.91	10262
STORAGE13	FEXVerification	0.00	17.86	0.0000	2.47	0.38	5323
STORAGE14	FEXVerification	0.00	19.71	0.0000	1.57	0.00	13395

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
STORAGE2	FEXVerification	0.00	17.56	0.0000	5.44	1.01	18426
STORAGE4	FEXVerification	0.00	18.35	0.0000	12.77	3.24	12088
STORAGE5	FEXVerification	0.00	20.74	0.0000	14.10	3.70	19603
STORAGE8	FEXVerification	0.00	17.78	0.0000	2.63	1.26	6098
STORAGE9	FEXVerification	0.00	17.43	0.0000	6.15	0.20	11761
Sevilla1	FEXVerification	1.20	2.03	0.0000	0.02	0.02	804
Sevilla2	FEXVerification	1.23	2.01	0.0000	0.01	0.01	609
Sevilla3	FEXVerification	1.20	2.03	0.0000	0.06	0.05	1339
Sevilla4	FEXVerification	1.20	2.03	0.0000	0.09	0.08	1450
Shamrock2	FEXVerification	1.11	2.01	-0.0004	28.83	28.80	5389
Shmrck1.1	FEXVerification	1.38	2.05	0.0001	28.74	28.80	6206
Shmrck1.2	FEXVerification	1.20	2.03	-0.0002	28.80	28.83	3971
V3	FEXVerification	6.53	6.53	0.0000	0.00	0.00	436

Manual Basin: B01

Scenario: Existing
 Node: N01
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.2808 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.6768	8100	A	97483		
0.2768	1400	A	97483		
0.3273	1300	A	97483		

O.3 Proposed Model Input

DRAFT



Manual Basin: B01

Scenario: Alt3
Node: N01
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 8.1957 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.5917	8100	A	97483		
0.2768	1400	A	97483		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3273	1300	A	97483		

Comment:

Manual Basin: B02

Scenario: Alt3
 Node: N02
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 15.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.5481 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.3351	1800	A	97483		
1.0137	8100	A	97483		
7.1993	1300	A	97483		

Comment:

Manual Basin: B03

Scenario: Alt3
 Node: N03
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.5433 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4172	1800	A	97483		
0.1261	8100	A	97483		

Comment:

Manual Basin: B07

Scenario: Alt3
 Node: N07A
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 25.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 14.7781 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
14.6197	1300	A	97483		
0.1584	1400	A	97483		

Comment:

Manual Basin: B08

Scenario: Alt3
 Node: N08A
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 35.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 31.4228 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
31.1525	1300	A	97483		
0.2703	1400	A	97483		

Comment:

Manual Basin: B08B

Scenario: Alt3
 Node: N08A
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 0.0349 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0349	8100	A	97483		

Comment: LOAD TO B08

Manual Basin: B09

Scenario: Alt3

Node: N09

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 20.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 4.9669 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.9669	1300	A	97483		

Comment:

Manual Basin: BPondA

Scenario: Alt3

Node: PondA

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 5.0901 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4624	8100	A	97483		
1.6925	1400	A	97483		
0.1386	1300	A	97483		
2.2431	1800	A	97483		
0.5535	6440	A	97483		

Comment:

Manual Basin: BPondB

Scenario: Alt3
 Node: PondB
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 50.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 48.0023 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
32.9961	1300	A	97483		
12.1657	1400	A	97483		
1.4731	8100	A	97483		
0.0279	1300	W	97483		
0.1133	5300	A	97483		
1.2262	5300	W	97483		

Comment:

Manual Basin: BSH02

Scenario: Alt3
 Node: NSH02
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.5330 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0097	1300	A	97483		
3.5233	1400	A	97483		

Comment:

Manual Basin: BSH04

Scenario: Alt3
 Node: NSH04
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number

Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.4090 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4149	1400	A	97483		
0.0381	1800	A	97483		
3.9560	1300	A	97483		

Comment:

Manual Basin: BSH05

Scenario: Alt3
 Node: NSH05
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.8861 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6585	1300	A	97483		
1.2262	1400	A	97483		
0.0014	8100	A	97483		

Comment:

Manual Basin: BSH07

Scenario: Alt3
 Node: NSH07
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 20.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.7990 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient	Reference ET

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2498	8100	A/D	97483		
3.8947	1300	A/D	97483		
6.6544	1300	A	97483		

Comment:

Manual Basin: BSH08

Scenario: Alt3
Node: NSH08
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 15.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.9392 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.4212	1300	A/D	97483		
0.0130	8100	A/D	97483		
0.5050	1400	A/D	97483		

Comment:

Manual Basin: BSH09

Scenario: Alt3
Node: NSH09
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 15.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 6.1973 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0563	8100	A/D	97483		
4.8862	1300	A/D	97483		
1.2547	1300	A	97483		

Comment:

Manual Basin: BSH10

Scenario: Alt3
 Node: NSH10
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 20.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.8885 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.8629	1300	A	97483		
0.0256	1400	A	97483		

Comment:

Manual Basin: BSH11

Scenario: Alt3
 Node: NSH11
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.0211 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8987	1400	A	97483		
0.1224	8100	A	97483		

Comment: ERP EXEMPTION APP 669807 - HARD TO VERIFY ROOF DRAINAGE IN PLANS

Manual Basin: BSH12

Scenario: Alt3
 Node: NSH12
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 2.4461 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8827	1300	A	97483		
0.5634	1400	A	97483		

Comment:

Manual Basin: BSH13

Scenario: Alt3

Node: NSH13

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 15.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 4.4774 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0932	1300	A/D	97483		
3.7342	1300	A	97483		
0.0973	1400	A/D	97483		
0.5526	1400	A	97483		

Comment:

Manual Basin: BSH14

Scenario: Alt3

Node: NSH14

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 0.4353 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4353	1400	A/D	97483		

Comment: FLUME ON HOWARD GOES TO SMALL POND

Manual Basin: BSH15

Scenario: Alt3
 Node: NSH15
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.7266 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4609	1300	A/D	97483		
0.2657	1400	A/D	97483		

Comment:

Manual Basin: BSH17

Scenario: Alt3
 Node: NSH17
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.7972 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0046	1300	A/D	97483		
0.7926	1400	A/D	97483		

Comment:

Manual Basin: BSH18

Scenario: Alt3
 Node: NSH18
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 0.4230 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1927	1300	A/D	97483		
0.2303	1400	A/D	97483		

Comment:

Manual Basin: BSH19

Scenario: Alt3

Node: NSH19

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 1.9807 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.7503	1300	A/D	97483		
0.2079	1700	A/D	97483		
0.0225	1400	A/D	97483		

Comment:

Manual Basin: BSH21

Scenario: Alt3

Node: NSH21

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 3.2953 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.2944	1300	A/D	97483		
1.0009	1700	A/D	97483		

Comment:

Manual Basin: BSH22

Scenario: Alt3
 Node: NSH22
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.5684 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.6511	1300	A/D	97483		
0.9172	1400	A/D	97483		

Comment:

Manual Basin: BSH23

Scenario: Alt3
 Node: NSH23
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.5052 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0241	8100	A/D	97482		
0.0281	1300	A/D	97482		
2.2879	1300	A/D	97483		
0.1652	8100	A/D	97483		

Comment:

Manual Basin: BSH24

Scenario: Alt3
 Node: NSH24
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.9455 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9455	1300	A/D	97483		

Comment:

Manual Basin: BSH25

Scenario: Alt3
 Node: NSH25
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 15.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.0280 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.7885	1300	A/D	97482		
2.1317	1300	A/D	97483		
0.1078	8100	A/D	97482		

Comment:

Manual Basin: BSH26

Scenario: Alt3
 Node: NSH26
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 20.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.3652 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.2907	1300	A/D	97482		
3.0620	1300	A/D	97483		
0.0125	8100	A/D	97482		

Comment:

Manual Basin: BSH27

Scenario: Alt3
Node: NSH27
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.9349 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9349	1300	A/D	97483		

Comment:

Manual Basin: BSH28

Scenario: Alt3
Node: NSH28
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.7975 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.7975	1300	A/D	97483		

Comment:

Manual Basin: BSH29

Scenario: Alt3
Node: NSH29
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number

Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.7974 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1631	8100	A/D	97482		
2.6343	1300	A/D	97482		

Comment:

Manual Basin: BSH33

Scenario: Alt3
 Node: NSH33
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.5883 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.5776	1400	A/D	97483		
0.0106	1300	A/D	97483		

Comment:

Manual Basin: BSH34

Scenario: Alt3
 Node: NSH34
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 20.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.5228 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0173	8100	A/D	97482		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3121	8100	A/D	97483		
6.8821	1300	A/D	97482		
3.3113	1300	A/D	97483		

Comment:

Manual Basin: BSH35

Scenario: Alt3
Node: NSH35
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.2961 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3325	8100	A/D	97483		
0.9636	1300	A/D	97483		

Comment:

Manual Basin: BSH37

Scenario: Alt3
Node: NSH37
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.9038 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9087	1400	A/D	97483		
0.2042	1400	A	97483		
0.0080	1300	A/D	97483		
0.7828	1300	A	97483		

Comment:

Manual Basin: BSH41

Scenario: Alt3
 Node: NSH41
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.1428 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.0916	1400	A	97483		
0.0512	8100	A	97483		

Comment:

Manual Basin: BSH42

Scenario: Alt3
 Node: NSH42
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.2787 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2787	8100	A/D	97483		

Comment:

Manual Basin: BSH43

Scenario: Alt3
 Node: NSH43
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 0.2770 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0822	8100	A/D	97483		
0.1948	1300	A/D	97483		

Comment: Assume Harbor House roof drains to Bayshore system

Manual Basin: BSH44

Scenario: Alt3
Node: NSH44
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 3.4203 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9634	1300	A/D	97483		
0.4569	1300	A/D	97482		

Comment:

Manual Basin: BSH45

Scenario: Alt3
Node: NSH45
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 7.4369 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.1504	1300	A/D	97483		
6.2855	1300	A	97483		
0.0010	1400	A/D	97483		

Comment:

Manual Basin: BSH48

Scenario: Alt3
 Node: NSH48
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.3943 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.1122	1300	A/D	97483		
0.1388	1300	A	97483		
0.1255	1400	A	97483		
0.0045	8100	A/D	97483		
0.0132	8100	A	97483		

Comment:

Manual Basin: BSH49

Scenario: Alt3
 Node: NSH49
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.9069 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.1755	1400	A	97483		
0.0118	8100	A	97483		
0.7196	1300	A	97483		

Comment:

Manual Basin: BSH50

Scenario: Alt3
 Node: NSH50
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number

Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.5388 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.0556	1400	A	97483		
0.4832	1300	A	97483		

Comment:

Manual Basin: BSH51

Scenario: Alt3
 Node: NSH51
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.5541 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9882	1300	A	97483		
2.5964	1400	A	97483		
1.3563	1400	A/D	97483		
1.1038	1400	A/D	97957		
0.5094	1300	A/D	97957		

Comment:

Manual Basin: BSH52

Scenario: Alt3
 Node: NSH52
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.7269 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.7269	1400	A	97483		

Comment:

Manual Basin: BSH53

Scenario: Alt3
Node: NSH53
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.6264 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.0988	1400	A	97483		
0.5276	1300	A	97483		

Comment:

Manual Basin: BSH54

Scenario: Alt3
Node: NSH54
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.0267 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8027	1400	A	97483		
0.2240	1300	A	97483		

Comment:

Manual Basin: BSH55

Scenario: Alt3
 Node: NSH55
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.3496 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2838	1400	A	97483		
0.0658	1700	A	97483		

Comment:

Manual Basin: BSH55B

Scenario: Alt3
 Node: NSH55B
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.6784 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2820	1400	A	97483		
1.3963	1300	A	97483		

Comment:

Manual Basin: BSH57

Scenario: Alt3
 Node: NSH57
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 1.4444 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7578	1400	A	97483		
0.6866	1300	A	97483		

Comment:

Manual Basin: BSH60

Scenario: Alt3

Node: NSH60

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 3.7800 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0349	1300	A	97483		
3.7452	1400	A	97483		

Comment:

Manual Basin: BSH65

Scenario: Alt3

Node: NSH65

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 1.0295 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.0103	1300	A	97483		
0.0192	1400	A	97483		

Comment:

Manual Basin: BSH75

Scenario: Alt3
 Node: NSH75
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 15.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.8995 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1077	8100	A/D	97483		
4.7917	1300	A/D	97483		

Comment:

Manual Basin: BSH80

Scenario: Alt3
 Node: NSH80
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.0431 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.0047	1400	A	97483		
0.0384	1300	A	97483		

Comment:

Manual Basin: BSH81

Scenario: Alt3
 Node: NSH81
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 0.1214 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1214	1300	A	97483		

Comment:

Manual Basin: BSH82

Scenario: Alt3

Node: NSH82

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 0.5831 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3085	1300	A	97483		
0.2746	1400	A	97483		

Comment:

Manual Basin: BSH83

Scenario: Alt3

Node: NSH83

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 1.0083 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8594	1300	A	97483		
0.1489	1400	A	97483		

Comment:

Manual Basin: C01

Scenario: Alt3
 Node: NC01
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.8452 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2308	8100	A/D	97483		
1.4364	1300	A/D	97483		
2.1780	1300	A	97483		

Comment:

Manual Basin: C02

Scenario: Alt3
 Node: NC02
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 15.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.8905 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.8905	1300	A	97483		

Comment:

Manual Basin: C03

Scenario: Alt3
 Node: NC03
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 15.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 4.6668 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4080	8100	A	97483		
4.2588	1300	A	97483		

Comment:

Manual Basin: C04

Scenario: Alt3

Node: NC04

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 30.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 16.6895 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7158	8100	A	97483		
0.2304	8100	W	97483		
1.2696	8100	A/D	97483		
13.8017	1300	A	97483		
0.6469	1300	A/D	97483		
0.0252	1400	A	97483		

Comment:

Manual Basin: C05

Scenario: Alt3

Node: NC05

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 25.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 9.3983 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4448	8100	A/D	97483		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9282	1300	A/D	97483		
6.8075	1300	A	97483		
0.2179	1400	A	97483		

Comment:

Manual Basin: C06

Scenario: Alt3
 Node: NC06
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 25.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.2752 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6355	8100	A/D	97483		
0.2698	1300	A/D	97483		
9.3699	1300	A	97483		

Comment:

Manual Basin: C07

Scenario: Alt3
 Node: NC07
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.4367 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.5225	8100	A/D	97483		
0.1834	1300	A/D	97483		
1.7307	1300	A	97483		

Comment:

Manual Basin: C08

Scenario: Alt3
 Node: NC08
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 25.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 11.6419 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4416	8100	A/D	97483		
0.2178	1300	A/D	97483		
10.9825	1300	A	97483		

Comment:

Manual Basin: C01B

Scenario: Alt3
 Node: NC01B
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 15.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.1171 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0283	8100	A/D	97483		
0.0171	1300	A/D	97483		
0.1014	8100	A	97483		
5.9703	1300	A	97483		

Comment:

Manual Basin: N11

Scenario: Alt3
 Node: N11
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 35.0000 min

Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 30.8804 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
23.4724	1300	A	97483		
0.1644	8100	A	97483		
1.1247	1400	A	97483		
3.7994	1300	A	97957		
2.0112	1400	A	97957		
0.3082	8100	A	97957		

Comment:

Manual Basin: NBB0050

Scenario: Alt3
 Node: NBB0050
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.2282 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.2188	1400	A/D	97008		
0.6620	1300	A/D	97008		
0.3475	8100	A/D	97008		

Comment:

Manual Basin: NBB0070

Scenario: Alt3
 Node: NBB0070
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 3.2083 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4465	8100	A/D	97008		
1.7618	1400	A/D	97008		

Comment:

Manual Basin: NBB0090

Scenario: Alt3
 Node: NBB0090
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 2.8689 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1797	1300	A/D	97008		
2.2962	8100	A/D	97008		
0.3930	1400	A/D	97008		

Comment:

Manual Basin: NBB0110

Scenario: Alt3
 Node: NBB0110
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 5.9752 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3413	1300	A/D	97008		
5.6339	1400	A/D	97008		

Comment:

Manual Basin: NBB0130

Scenario: Alt3
 Node: NBB0130
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 20.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 14.3139 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8698	8100	C/D	97008		
0.4592	1300	C/D	97008		
1.0509	1300	B/D	97008		
5.3939	8100	B/D	97008		
0.0990	1700	B/D	97008		
0.0718	1400	B/D	97008		
0.2484	1400	A/D	97008		
4.0887	8100	A/D	97008		
1.0322	1300	A/D	97008		

Comment:

Manual Basin: NBB0190

Scenario: Alt3
 Node: NBB0190
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.0270 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.6039	1400	A/D	97008		
4.4231	1300	A/D	97008		

Comment:

Manual Basin: NBB0230

Scenario: Alt3

Node: NBB0230
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.3211 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.3211	1400	A/D	97008		

Comment:

Manual Basin: NBB0270

Scenario: Alt3
 Node: NBB0270
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.2716 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.2429	1400	A/D	97008		
1.0288	1300	A/D	97008		

Comment:

Manual Basin: NBB0310

Scenario: Alt3
 Node: NBB0310
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 20.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 26.9082 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient	Reference ET

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.7435	1400	A/D	97008		
10.5069	1300	A/D	97008		
9.1475	1300	C/D	97008		
0.0016	1300	A/D	97482		
4.3569	1300	C/D	97482		
0.1121	1700	C/D	97482		
0.0397	1700	D	97482		

Comment:

Manual Basin: NBB0330

Scenario: Alt3
Node: NBB0330
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.8868 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.8674	1300	A/D	97008		
0.0195	1300	A/D	97007		

Comment:

Manual Basin: NBB0370

Scenario: Alt3
Node: NBB0370
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.7430 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.1414	1300	A/D	97007		
0.0274	1300	A/D	97008		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5366	1700	A/D	97007		
0.0376	1700	A/D	97008		

Comment:

Manual Basin: NBB0410

Scenario: Alt3
Node: NBB0410
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.3056 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.3056	1300	A/D	97007		

Comment:

Manual Basin: NBB0430

Scenario: Alt3
Node: NBB0430
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.9730 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9730	1300	A/D	97007		

Comment:

Manual Basin: NBW0030

Scenario: Alt3
 Node: NBW0030
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.8821 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.8357	1300	A/D	97480		
0.0108	1300	A	97480		
0.0357	5400	A/D	97480		

Comment:

Manual Basin: NBW0050

Scenario: Alt3
 Node: NBW0050
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.5330 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9661	1300	A/D	97480		
1.5669	1300	A	97480		

Comment:

Manual Basin: NBW0070

Scenario: Alt3
 Node: NBW0070
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 2.9383 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9383	1300	A/D	97480		

Comment:

Manual Basin: NBW0090

Scenario: Alt3

Node: NBW0090

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 14.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 2.1109 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.1109	1300	A/D	97480		

Comment:

Manual Basin: NBW0150

Scenario: Alt3

Node: NBW0150

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 14.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 2.0845 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.0845	1300	A/D	97480		

Comment:

Manual Basin: NBW0170

Scenario: Alt3
Node: NBW0170
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.3971 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.3971	1300	A/D	97480		

Comment:

Manual Basin: NBW0210

Scenario: Alt3
Node: NBW0210
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.4217 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.4217	1300	A/D	97480		

Comment:

Manual Basin: NBW0270

Scenario: Alt3
Node: NBW0270
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.4428 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.1864	1300	A/D	97481		
1.7837	1300	A	97481		
0.4727	1300	A/D	97480		

Comment:

Manual Basin: NBW0275

Scenario: Alt3
 Node: NBW2775
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.1635 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.1635	1300	A	97481		

Comment:

Manual Basin: NBW0290

Scenario: Alt3
 Node: NBW0290
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.4231 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4025	1300	A/D	97481		
7.0206	1300	A	97481		

Comment:

Manual Basin: NBW0310

Scenario: Alt3
 Node: NBW0310
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.3252 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.5689	1300	A/D	97481		
3.7563	1300	A	97481		

Comment:

Manual Basin: NBW0330

Scenario: Alt3
 Node: NBW0330
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.5070 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0724	1300	A/D	97480		
0.1005	1300	A/D	97481		
0.3341	1300	A	97481		

Comment:

Manual Basin: NBW0350

Scenario: Alt3
 Node: NBW0350
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.6014 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7851	1300	A/D	97480		
0.6576	1300	A/D	97481		
1.1587	1300	A	97481		

Comment:

Manual Basin: NBW0370

Scenario: Alt3
 Node: NBW0370
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.8881 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8881	1300	A	97481		

Comment:

Manual Basin: NBW0390

Scenario: Alt3
 Node: NBW0390
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.1812 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.5117	1300	A/D	97480		
1.2951	1300	A/D	97481		
1.3744	1300	A	97481		

Comment:

Manual Basin: NBW0430

Scenario: Alt3
Node: NBW0430
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.2618 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.2618	1300	A	97481		

Comment:

Manual Basin: NBW0450

Scenario: Alt3
Node: NBW0450
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.2195 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2195	1300	A	97481		

Comment:

Manual Basin: NBW0470

Scenario: Alt3
Node: NBW0470
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.6492 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.6492	1300	A	97481		

Comment:

Manual Basin: NBW0510

Scenario: Alt3
 Node: NBW0510
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.0573 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0007	1300	A	97481		
1.1664	1800	A	97481		
0.8452	1800	A/D	97481		
0.0451	1300	A/D	97481		

Comment:

Manual Basin: NBW0550

Scenario: Alt3
 Node: NBW0550
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 15.8137 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
10.1150	1300	A	97481		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.6987	1300	A/D	97481		

Comment:

Manual Basin: NBW0570

Scenario: Alt3
Node: NBW0570
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 15.0079 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
14.2233	1300	A	97481		
0.7604	1300	A/D	97481		
0.0243	1800	A	97481		

Comment:

Manual Basin: NBW0590

Scenario: Alt3
Node: NBW0590
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 36.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 21.3885 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
17.1027	1300	A/D	97481		
4.2858	1300	A	97481		

Comment:

Manual Basin: NBW0610

Scenario: Alt3
 Node: NBW0610
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.2330 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1438	1800	A	97481		
0.0858	1800	A/D	97481		
0.0034	1300	A/D	97481		

Comment:

Manual Basin: NBW0630

Scenario: Alt3
 Node: NBW0630
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.1825 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1260	1300	A	97481		
1.4338	1800	A	97481		
0.5850	1800	A/D	97481		
0.0376	1300	A/D	97481		

Comment:

Manual Basin: NBW0650

Scenario: Alt3
 Node: NBW0650
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.2639 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2639	1300	A/D	97481		

Comment:

Manual Basin: NBW0670

Scenario: Alt3
 Node: NBW0670
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.9895 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7348	1300	A/D	97481		
0.2547	1300	A	97481		

Comment:

Manual Basin: NBW0710

Scenario: Alt3
 Node: NBW0710
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.0358 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.8301	1300	A/D	97481		
0.0143	1800	A/D	97481		
0.1914	1300	A	97481		

Comment:

Manual Basin: NBW0730

Scenario: Alt3
Node: NBW0730
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 12.2036 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.3483	1300	A	97481		
6.1428	1300	A/D	97481		
1.6682	1300	A/D	97955		
2.0442	1300	A	97955		

Comment:

Manual Basin: NBW0750

Scenario: Alt3
Node: NBW0750
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 11.0074 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.8504	1300	A/D	97481		
4.9254	1300	A	97481		
0.2315	1300	A/D	97955		

Comment:

Manual Basin: NBW0770

Scenario: Alt3
Node: NBW0770
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.0964 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.0964	1300	A/D	97481		

Comment:

Manual Basin: NBW0790

Scenario: Alt3
Node: NBW0790
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 7.3766 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.9905	1300	A	97481		
1.3861	1300	A/D	97481		

Comment:

Manual Basin: NBW0810

Scenario: Alt3
Node: NBW0810
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 2.6512 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.1233	1300	A/D	97481		
0.0732	1300	A	97481		
1.3595	1300	A/D	97955		
0.0951	1300	A	97955		

Comment:

Manual Basin: NBW0830

Scenario: Alt3
 Node: NBW0830
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.8587 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0349	1300	A	97955		
0.8237	1300	A/D	97955		

Comment:

Manual Basin: NBW0850

Scenario: Alt3
 Node: NBW0850
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 11.5596 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.1915	1300	A	97481		
9.9378	1300	A	97955		
0.4303	1300	A/D	97955		

Comment:

Manual Basin: NBW0870

Scenario: Alt3
Node: NBW0870
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 9.2645 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.2987	1300	A/D	97955		
0.9658	1300	A	97955		

Comment:

Manual Basin: NBW0910

Scenario: Alt3
Node: NBW0910
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.2282 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9495	1300	A/D	97481		
4.2787	1300	A/D	97955		

Comment:

Manual Basin: NBW0950

Scenario: Alt3
Node: NBW0950
Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 12.4599 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.2817	1300	A/D	97955		
9.1782	1300	A	97955		

Comment:

Manual Basin: NBW0970

Scenario: Alt3
 Node: NBW0970
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.2003 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6862	1300	A/D	97955		
0.5142	1300	A	97955		

Comment:

Manual Basin: NBW1010

Scenario: Alt3
 Node: NBW1010
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.2849 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2849	1300	A	97955		

Comment:

Manual Basin: NBW1030

Scenario: Alt3
Node: NBW1030
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.1589 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9415	1300	A	97955		
0.2035	1300	A/D	97955		
0.0140	1400	A	97955		

Comment:

Manual Basin: NBW1070

Scenario: Alt3
Node: NBW1070
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.7846 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5652	1300	A	97955		
0.0465	1300	A/D	97955		
0.1728	1400	A	97955		

Comment:

Manual Basin: NBW1090

Scenario: Alt3
 Node: NBW1090
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.0270 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8220	1300	A/D	97481		
0.2050	1300	A/D	97480		

Comment:

Manual Basin: NBW1130

Scenario: Alt3
 Node: NBW1130
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.3019 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8466	1300	A/D	97480		
0.4553	1300	A/D	97481		

Comment:

Manual Basin: NBW1150

Scenario: Alt3
 Node: NBW1150
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 5.7669 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.3942	1300	A/D	97481		
0.6698	1300	A/D	97480		
0.7029	1300	A	97481		

Comment:

Manual Basin: NBW1169

Scenario: Alt3

Node: NBW1169

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 0.9034 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8137	1300	A/D	97481		
0.0897	1300	A	97481		

Comment:

Manual Basin: NBW1170

Scenario: Alt3

Node: NBW1170

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 0.5981 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.5981	1300	A	97481		

Comment:

Manual Basin: NBW1190

Scenario: Alt3
Node: NBW1190
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.6560 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6029	1300	A/D	97481		
3.0531	1300	A	97481		

Comment:

Manual Basin: NBW1210

Scenario: Alt3
Node: NBW1210
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 19.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 8.2664 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.7223	1300	A	97481		
4.5441	1300	A/D	97481		

Comment:

Manual Basin: NBW1230

Scenario: Alt3
Node: NBW1230
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 18.0700 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
12.5870	1300	A	97481		
5.4830	1300	A/D	97481		

Comment:

Manual Basin: NBW1250

Scenario: Alt3

Node: NBW1250

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 0.3575 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2148	1300	A	97481		
0.1427	1300	A/D	97481		

Comment:

Manual Basin: NBW1270

Scenario: Alt3

Node: NBW1270

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 14.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 3.4193 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.4193	1300	A/D	97481		

Comment:

Manual Basin: NBW1310

Scenario: Alt3
Node: NBW1310
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.0975 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.0975	1300	A/D	97481		

Comment:

Manual Basin: NBW1330

Scenario: Alt3
Node: NBW1330
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.9570 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9570	1300	A/D	97481		

Comment:

Manual Basin: NBW1350

Scenario: Alt3
Node: NBW1350
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 9.6230 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.6230	1300	A/D	97481		

Comment:

Manual Basin: NBW1351

Scenario: Alt3
Node: NBW1351
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.3914 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.3914	1300	A/D	97481		

Comment:

Manual Basin: NBW1352

Scenario: Alt3
Node: NBW1353
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.2869 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.2869	1300	A/D	97481		

Comment:

Manual Basin: NBW1353

Scenario: Alt3

Node: NBW1352
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.1570 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.1570	1300	A/D	97481		

Comment:

Manual Basin: NBW1370

Scenario: Alt3
Node: NBW1370
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 11.1096 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
11.1096	1300	A/D	97481		

Comment:

Manual Basin: NBW1390

Scenario: Alt3
Node: NBW1390
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 8.5184 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.5184	1300	A/D	97481		

Comment:

Manual Basin: NBW1410

Scenario: Alt3
Node: NBW1410
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.9784 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.9784	1300	A/D	97481		

Comment:

Manual Basin: NBW1430

Scenario: Alt3
Node: NBW1430
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 9.7173 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.7173	1300	A/D	97481		

Comment:

Manual Basin: NBW1450

Scenario: Alt3

Node: NBW1450
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.0126 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.0126	1300	A/D	97481		

Comment:

Manual Basin: NBW1460

Scenario: Alt3
 Node: NBW1460
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.3586 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.3586	1300	A/D	97481		

Comment:

Manual Basin: NBW1470

Scenario: Alt3
 Node: NBW1470
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 31.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 48.6457 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
29.9068	1300	A/D	97481		
0.0002	1700	A/D	97481		
11.1706	1300	A	97481		
2.9728	1300	A/D	97955		
4.5952	1300	A	97955		

Comment:

Manual Basin: NBW1480

Scenario: Alt3
 Node: NBW1480
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.8173 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.8173	1300	A/D	97481		

Comment:

Manual Basin: NBW1490

Scenario: Alt3
 Node: NBW1490
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 19.6634 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.6596	1700	A/D	97481		
0.3956	1700	D	97481		
6.9343	1300	A/D	97481		
0.0003	1400	D	97481		
5.9876	1400	A/D	97481		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4160	1700	A/D	97955		
0.2700	1300	A/D	97955		

Comment:

Manual Basin: NBW1510

Scenario: Alt3
Node: NBW1510
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.8351 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.3290	1400	D	97482		
2.4480	1400	D	97481		
1.0580	1400	A/D	97481		

Comment:

Manual Basin: NBW1550

Scenario: Alt3
Node: NBW1550
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 8.1792 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9926	1400	D	97482		
3.4543	1400	D	97481		
1.7323	1400	A/D	97481		

Comment:

Manual Basin: NBW1590

Scenario: Alt3
 Node: NBW1590
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.6664 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1071	1400	D	97481		
1.5593	1400	A/D	97481		

Comment:

Manual Basin: NBW1610

Scenario: Alt3
 Node: NBW1610
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.9618 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.3249	1400	A/D	97481		
2.4962	1300	A/D	97481		
0.1407	1300	A/D	97482		

Comment:

Manual Basin: NBW1630

Scenario: Alt3
 Node: NBW1630
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.4468 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1511	1300	A/D	97482		
0.7076	1300	A/D	97481		
0.6198	1400	A/D	97481		
0.7681	1700	A/D	97481		
0.1797	1700	A/D	97955		
0.0205	1400	A/D	97955		

Comment:

Manual Basin: NBW1650

Scenario: Alt3
 Node: NBW1650
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.6054 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0235	1700	A/D	97955		
2.0947	1400	A/D	97955		
0.1522	1300	A/D	97956		
0.3324	1300	A/D	97955		
0.0026	1400	A/D	97956		

Comment:

Manual Basin: NBW1670

Scenario: Alt3
 Node: NBW1670
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 3.4690 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9166	1400	A/D	97955		
0.0190	1400	A/D	97956		
0.2602	1300	A/D	97956		
0.2732	1300	A/D	97955		

Comment:

Manual Basin: NBW1690

Scenario: Alt3
 Node: NBW1690
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.1621 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.1346	1400	A/D	97955		
0.4729	1300	A/D	97955		
0.1889	1300	A/D	97956		
0.0176	1400	A/D	97956		
0.2953	1300	A	97955		
0.0528	1400	A	97955		

Comment:

Manual Basin: NBW1730

Scenario: Alt3
 Node: NBW1730
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 16.1904 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.6660	1400	D	97482		
1.5468	1300	D	97482		
0.2839	1400	D	97481		
0.0185	1300	D	97481		
0.6932	1400	A/D	97482		
9.4603	1300	A/D	97482		
0.0770	1400	A/D	97481		
0.4447	1300	A/D	97481		

Comment:

Manual Basin: NBW1750

Scenario: Alt3
Node: NBW1750
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 8.6506 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.0164	1300	A/D	97482		
0.4160	1300	A/D	97481		
0.2611	1400	A/D	97481		
0.0076	1300	C/D	97482		
2.1206	1300	C/D	97956		
2.9108	1300	A/D	97956		
0.2569	1300	D	97956		
0.6556	1300	A/D	97955		
1.0055	1400	A/D	97955		

Comment:

Manual Basin: NBW1770

Scenario: Alt3
Node: NBW1770
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 16.0486 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.6000	1300	A/D	97956		
7.3493	1300	C/D	97956		
0.0993	1300	D	97956		

Comment:

Manual Basin: NBW1790

Scenario: Alt3
 Node: NBW1790
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.9843 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.1844	1300	A/D	97956		
1.1785	1400	A/D	97955		
0.1163	1400	A/D	97956		
1.0143	1300	A/D	97955		
0.0851	1300	D	97956		
0.2730	1400	D	97956		
0.1327	1400	D	97955		

Comment:

Manual Basin: NBW1820

Scenario: Alt3
 Node: NBW1820
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 17.2814 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
12.5708	1300	C/D	97482		
0.4989	1400	A/D	97482		
3.9495	1300	A/D	97482		
0.1313	1400	D	97482		
0.1309	1400	C/D	97482		

Comment:

Manual Basin: NBW1830

Scenario: Alt3
 Node: NBW1830
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.8793 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2191	1300	A/D	97482		
0.6972	1400	A/D	97482		
2.9629	1400	D	97482		

Comment:

Manual Basin: NBW1840

Scenario: Alt3
 Node: NBW1840
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 19.9983 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
10.6185	1300	C/D	97482		
8.1612	1300	A/D	97482		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.0834	1400	A/D	97482		
0.1351	1400	D	97482		
0.0001	1300	D	97482		

Comment:

Manual Basin: NBW1850

Scenario: Alt3
 Node: NBW1850
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 13.4229 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.5635	1300	C/D	97482		
0.8385	1300	A/D	97482		
1.8763	1400	C/D	97482		
1.8223	1400	A/D	97482		
1.3224	1400	D	97482		

Comment:

Manual Basin: NBW1860

Scenario: Alt3
 Node: NBW1860
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.8925 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.8144	1300	C/D	97482		
0.0780	1300	A/D	97482		

Comment:

Manual Basin: NBW1870

Scenario: Alt3
Node: NBW1870
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.4619 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2194	1300	A/D	97482		
0.3645	1400	A/D	97482		
0.2375	1400	D	97482		
0.6098	1400	C/D	97482		
0.0308	1300	C/D	97482		

Comment:

Manual Basin: NBW1910

Scenario: Alt3
Node: NBW1910
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.9368 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8591	1300	C/D	97482		
0.0777	1400	C/D	97482		

Comment:

Manual Basin: NBW1930

Scenario: Alt3
 Node: NBW1930
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.7547 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4299	1300	C/D	97482		
0.0933	1400	A/D	97482		
1.2306	1300	A/D	97482		
0.0009	1400	C/D	97482		

Comment:

Manual Basin: NBW1970

Scenario: Alt3
 Node: NBW1970
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.7669 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5219	1400	A/D	97482		
0.3504	1300	C/D	97482		
0.2230	1400	C/D	97482		
0.6716	1300	A/D	97482		

Comment: Updated per ERP 12053

Manual Basin: NBW1990

Scenario: Alt3
 Node: NBW1990
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.8406 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.4920	1300	A/D	97482		
2.3486	1400	A/D	97482		

Comment:

Manual Basin: NBW2010

Scenario: Alt3
 Node: NBW2010
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.9741 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9741	1300	A/D	97482		

Comment:

Manual Basin: NBW2030

Scenario: Alt3
 Node: NBW2030
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 27.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.0960 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.5575	1300	A/D	97482		
1.5385	1300	C/D	97482		

Comment:

Manual Basin: NBW2050

Scenario: Alt3
 Node: NBW2050
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.6006 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.6221	1300	A	97482		
0.0551	1400	A	97482		
0.1880	1300	A/D	97482		
0.7351	8300	A	97482		
0.0002	8300	A/D	97482		

Comment:

Manual Basin: NBW2060

Scenario: Alt3
 Node: NBW2060
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.5646 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2655	1300	A/D	97482		
2.1181	1300	A	97482		
1.8858	1400	A/D	97482		
0.2952	1400	A	97482		

Comment:

Manual Basin: NBW2070

Scenario: Alt3
 Node: NBW2070
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.3373 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6459	1400	A	97482		
0.4261	1300	A	97482		
0.2475	1300	D	97482		
7.0178	1400	D	97482		

Comment: Broke basin at crown of Swan Ave

Manual Basin: NBW2090

Scenario: Alt3
 Node: NBW2090
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.5529 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0369	1300	A	97482		
0.0019	1400	A	97482		
2.1372	1300	D	97482		
2.3770	1400	D	97482		

Comment:

Manual Basin: NBW2110

Scenario: Alt3
 Node: NBW2110
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number

Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.2625 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0134	1300	A	97482		
0.1691	1400	A	97482		
7.0746	1400	D	97482		
0.0054	1300	D	97482		

Comment:

Manual Basin: NBW2130

Scenario: Alt3
 Node: NBW2130
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.9912 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9912	1400	D	97482		

Comment:

Manual Basin: NBW2145

Scenario: Alt3
 Node: NBW2145
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.8292 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0593	1400	A	97482		
3.7698	1400	D	97482		

Comment: Updated per ERP 9599. INLET IN ERP ON WEST SIDE NOT SEEN IN STREET VIEW

Manual Basin: NBW2150

Scenario: Alt3
Node: NBW2150
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.8639 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8281	1300	A	97482		
0.0357	1400	A	97482		

Comment:

Manual Basin: NBW2190

Scenario: Alt3
Node: NBW2190
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.0700 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4904	1300	A	97482		
0.5796	1300	D	97482		

Comment:

Manual Basin: NBW2210

Scenario: Alt3
 Node: NBW2210
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.0711 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.0711	1300	A	97482		

Comment:

Manual Basin: NBW2230

Scenario: Alt3
 Node: NBW2230
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.1833 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.2313	1300	A	97482		
5.9520	1300	A/D	97482		

Comment:

Manual Basin: NBW2250

Scenario: Alt3
 Node: NBW2250
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 1.7527 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.7527	1300	A	97482		

Comment:

Manual Basin: NBW2270

Scenario: Alt3
 Node: NBW2270
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 2.5878 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.5878	1300	A	97482		

Comment:

Manual Basin: NBW2290

Scenario: Alt3
 Node: NBW2290
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 23.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 13.5587 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.0061	1700	A	97482		
6.4803	1300	A/D	97482		
5.0724	1300	A	97482		

Comment:

Manual Basin: NBW2310

Scenario: Alt3
 Node: NBW2310
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.4265 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.0681	1300	A	97482		
2.3584	1700	A	97482		

Comment:

Manual Basin: NBW2330

Scenario: Alt3
 Node: NBW2330
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.9410 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.1610	1300	A/D	97482		
3.9688	1300	A	97482		
0.0751	1300	C/D	97482		
0.7361	1700	A	97482		

Comment:

Manual Basin: NBW2350

Scenario: Alt3
 Node: NBW2350
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 21.0000 min
 Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.6660 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.1125	1700	A/D	97481		
5.5535	1300	A/D	97481		

Comment:

Manual Basin: NBW2370

Scenario: Alt3
 Node: NBW2370
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 30.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.3028 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.5485	1700	A/D	97481		
0.7542	1300	A/D	97481		

Comment:

Manual Basin: NBW2380

Scenario: Alt3
 Node: NBW2380
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.9897 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.8524	1300	A/D	97481		
0.0582	1300	D	97481		
0.0792	1700	A/D	97481		

Comment:

Manual Basin: NBW2385

Scenario: Alt3
Node: NBW2385
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.1150 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9542	1700	A/D	97481		
0.1608	1700	D	97481		

Comment:

Manual Basin: NBW2390

Scenario: Alt3
Node: NBW2390
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 10.3917 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.1432	1700	A/D	97481		
7.2486	1300	A/D	97481		

Comment:

Manual Basin: NBW2410

Scenario: Alt3
Node: NBW2410

Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 18.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 14.8282 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9392	1700	D	97481		
1.6738	1400	D	97481		
5.8626	1700	A/D	97481		
1.2255	1400	A/D	97481		
4.1270	1300	A/D	97481		

Comment:

Manual Basin: NBW2430

Scenario: Alt3
 Node: NBW2430
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.7239 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.1668	1400	D	97481		
0.2359	1400	A/D	97481		
0.3082	1700	D	97481		
0.0130	1700	A/D	97481		

Comment:

Manual Basin: NBW2470

Scenario: Alt3
 Node: NBW2470
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.5707 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5707	1400	D	97481		

Comment:

Manual Basin: NBW2490

Scenario: Alt3
 Node: NBW2490
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.9735 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9726	1400	D	97481		
0.0009	1400	D	97482		

Comment:

Manual Basin: NBW2510

Scenario: Alt3
 Node: NBW2510
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.6971 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.3163	1400	D	97481		
0.0987	1700	D	97481		
0.2820	1400	A/D	97481		

Comment:

Manual Basin: NBW2570

Scenario: Alt3
Node: NBW2570
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.8330 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8330	1400	A/D	97481		

Comment:

Manual Basin: NBW2610

Scenario: Alt3
Node: NBW2610
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 6.4373 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.2042	1400	D	97482		
2.2332	1400	D	97481		

Comment:

Manual Basin: NBW2630

Scenario: Alt3
Node: NBW2630
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number

Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.6691 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.1244	1400	D	97482		
0.0118	1300	D	97482		
0.5231	1300	A/D	97482		
0.0097	1400	A/D	97482		

Comment:

Manual Basin: NBW2650

Scenario: Alt3
 Node: NBW2650
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.6077 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.3389	1400	D	97481		
1.2688	1400	D	97482		

Comment:

Manual Basin: NBW2670

Scenario: Alt3
 Node: NBW2670
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.1363 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient	Reference ET

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6575	1400	A/D	97482		
1.7910	1400	D	97481		
0.6699	1400	D	97482		
0.0180	1300	A/D	97482		

Comment:

Manual Basin: NBW2680

Scenario: Alt3
Node: NBW2680
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.5608 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7272	1300	A/D	97482		
0.8336	1400	A/D	97482		

Comment:

Manual Basin: NBW2690

Scenario: Alt3
Node: NBW2690
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 10.2447 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2055	1400	A/D	97481		
9.8680	1400	D	97481		
0.0001	1300	A/D	97481		
0.1468	1400	A/D	97482		
0.0206	1300	A/D	97482		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0038	1400	D	97482		

Comment:

Manual Basin: NBW2730

Scenario: Alt3
Node: NBW2730
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.5632 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4447	1400	A/D	97482		
0.1185	1300	A/D	97482		

Comment:

Manual Basin: NBW2780

Scenario: Alt3
Node: NBW2780
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 12.7327 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
11.5430	1300	A/D	97482		
0.0051	1300	A/D	97481		
0.0026	1400	A/D	97481		
0.0035	1400	A/D	97482		
0.7676	1300	C/D	97482		
0.0455	1300	D	97482		
0.3654	1400	D	97482		

Comment:

Manual Basin: NBW2790

Scenario: Alt3
 Node: NBW2790
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 14.8216 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.0629	1300	C/D	97482		
8.3129	1300	A/D	97482		
0.3727	1400	D	97482		
0.0731	1300	D	97482		

Comment:

Manual Basin: NBW2810

Scenario: Alt3
 Node: NBW2810
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.5567 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.5567	1300	C/D	97482		

Comment:

Manual Basin: NBW2830

Scenario: Alt3
 Node: NBW2830

Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 22.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 20.3605 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4155	1300	A/D	97482		
19.9450	1300	C/D	97482		

Comment:

Manual Basin: NCL0030

Scenario: Alt3
 Node: NCL0030
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.2013 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.2013	1300	A/D	97954		

Comment:

Manual Basin: NCL0070

Scenario: Alt3
 Node: NCL0070
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 24.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 19.3446 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2461	1300	A/D	97480		
0.1935	1300	A/D	97481		
13.2844	1300	A/D	97955		
3.6632	1300	A/D	97954		
1.8911	1300	A	97955		
0.0571	8100	A/D	97954		
0.0092	1400	A/D	97955		

Comment:

Manual Basin: NCL0090

Scenario: Alt3
Node: NCL0090
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 17.4929 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.8415	1300	A	97481		
2.2225	1300	A/D	97481		
2.5923	1300	A	97955		
2.8366	1300	A/D	97955		

Comment:

Manual Basin: NCL0110

Scenario: Alt3
Node: NCL0110
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.3317 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8071	1300	A/D	97954		
1.0177	1400	A/D	97954		
2.5068	1400	D	97954		

Comment:

Manual Basin: NCL0150

Scenario: Alt3
Node: NCL0150
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.3382 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9307	1400	D	97954		
0.4076	8100	D	97954		

Comment:

Manual Basin: NCL0170

Scenario: Alt3
Node: NCL0170
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.7512 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.7512	1400	D	97954		

Comment:

Manual Basin: NCL0190

Scenario: Alt3
 Node: NCL0190
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.6952 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6952	1400	D	97954		

Comment:

Manual Basin: NCL0210

Scenario: Alt3
 Node: NCL0210
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.1607 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9263	1400	D	97954		
1.2344	8100	D	97954		

Comment:

Manual Basin: NCL0230

Scenario: Alt3
 Node: NCL0230
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 5.2403 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5377	1400	A/D	97955		
0.3103	1400	D	97954		
1.7702	1400	D	97955		
0.4153	8100	D	97954		
0.0281	8100	A/D	97955		
1.1786	8100	D	97955		

Comment:

Manual Basin: NCL0270

Scenario: Alt3
 Node: NCL0270
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 1.2523 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2745	1400	D	97954		
0.9079	1400	D	97955		
0.0698	1400	A/D	97955		

Comment:

Manual Basin: NCL0330

Scenario: Alt3
 Node: NCL0330
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 0.3578 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3578	8100	D	97954		

Comment:

Manual Basin: NCL0350

Scenario: Alt3
 Node: NCL0350
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.3567 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3747	1400	A/D	97955		
0.5111	1400	D	97955		
0.2822	8100	D	97954		
0.4047	1400	D	97954		
1.6180	1300	A/D	97955		
0.1659	1300	D	97955		

Comment:

Manual Basin: NCL0370

Scenario: Alt3
 Node: NCL0370
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.4057 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4129	1400	D	97955		
1.7776	1400	A/D	97955		
2.2152	1300	A/D	97955		

Comment:

Manual Basin: NCL0390

Scenario: Alt3
 Node: NCL0390
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.0817 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2662	1300	A/D	97954		
0.7299	8100	A/D	97954		
0.2831	1300	A/D	97955		
0.5944	1400	A/D	97955		
0.2156	1400	A/D	97954		
0.1640	1400	D	97955		
0.3950	1400	D	97954		
0.4335	8100	D	97954		

Comment:

Manual Basin: NCL0430

Scenario: Alt3
 Node: NCL0430
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.6357 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4129	1400	A/D	97955		
0.0832	1400	D	97955		
0.5378	1400	D	97954		
0.6018	8100	D	97954		

Comment:

Manual Basin: NCL0450

Scenario: Alt3
 Node: NCL0450
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.4540 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4590	1300	A/D	97955		
1.9949	1400	A/D	97955		

Comment:

Manual Basin: NCL0470

Scenario: Alt3
 Node: NCL0470
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.5365 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9997	1300	A/D	97955		
1.5369	1400	A/D	97955		

Comment:

Manual Basin: NCL0490

Scenario: Alt3
 Node: NCL0490
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 17.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 12.5300 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4144	1300	A	97481		
11.3249	1300	A	97955		
0.7906	1300	A/D	97955		

Comment:

Manual Basin: NCL0510

Scenario: Alt3
 Node: NCL0510
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.0969 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0461	1300	A	97955		
3.2495	1300	A/D	97955		
0.8013	1400	A/D	97955		

Comment:

Manual Basin: NCL0550

Scenario: Alt3
 Node: NCL0550
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.7772 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9144	1400	A/D	97955		
1.3586	1400	D	97955		
1.5007	8100	D	97955		
0.0035	8100	A/D	97955		

Comment:

Manual Basin: NCL0570

Scenario: Alt3
 Node: NCL0570
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.8753 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1680	1300	A	97955		
0.9732	1400	A	97955		
0.1178	1400	A/D	97955		
1.5251	1400	D	97955		
1.0913	8100	D	97955		

Comment:

Manual Basin: NCL0590

Scenario: Alt3
 Node: NCL0590
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.4140 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.4773	1300	A	97955		
1.2462	1300	A/D	97955		
0.5742	1400	A/D	97955		
0.0789	1400	A	97955		
0.0373	1400	D	97955		

Comment:

Manual Basin: NCL0610

Scenario: Alt3
 Node: NCL0610
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.5532 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.5532	1300	A	97955		

Comment:

Manual Basin: NCL0630

Scenario: Alt3
 Node: NCL0630
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.7745 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.3730	1300	A	97955		
1.1054	1400	A	97955		
0.2961	1400	D	97955		

Comment:

Manual Basin: NCL0690

Scenario: Alt3
 Node: NCL0690
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 0.2403 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0233	1400	D	97955		
0.2169	8100	D	97955		

Comment:

Manual Basin: NCL0730

Scenario: Alt3

Node: NCL0730

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 0.9857 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9857	1400	D	97955		

Comment:

Manual Basin: NCL0750

Scenario: Alt3

Node: NCL0750

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 11.2178 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.1369	1400	D	97955		
0.6413	1400	A	97955		
1.0303	1400	A/D	97955		
0.8376	1300	D	97955		
0.8883	1300	A	97955		
1.6832	1300	A/D	97955		

Comment:

Manual Basin: NCL0770

Scenario: Alt3
 Node: NCL0770
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 18.3987 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4170	1300	A/D	97955		
10.1059	1300	A	97955		
6.1524	1300	D	97955		
0.1429	1400	D	97955		
1.5764	1700	D	97955		
0.0041	8300	A	97955		

Comment:

Manual Basin: NCL0810

Scenario: Alt3
 Node: NCL0810
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.1896 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4880	1400	A	97955		
0.2305	1400	D	97955		
1.4711	8100	D	97955		

Comment:

Manual Basin: NCL0830

Scenario: Alt3
 Node: NCL0830
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.0210 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.9743	1300	A	97955		
0.0467	1400	A	97955		

Comment:

Manual Basin: NCL0850

Scenario: Alt3
 Node: NCL0850
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.9559 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2205	1300	A	97955		
0.6623	1400	A	97955		
0.0732	1400	D	97955		

Comment:

Manual Basin: NCL0910

Scenario: Alt3
 Node: NCL0910
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.8469 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8469	1400	D	97955		

Comment:

Manual Basin: NCL0930

Scenario: Alt3
 Node: NCL0930
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.8458 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.8207	1400	D	97955		
0.0252	1300	D	97955		

Comment:

Manual Basin: NCL0950

Scenario: Alt3
 Node: NCL0950
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.8899 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.9956	1300	D	97955		
0.0284	1400	D	97955		
2.8660	1300	A	97955		

Comment:

Manual Basin: NCL0970

Scenario: Alt3
 Node: NCL0970
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.0332 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5997	1400	A	97955		
0.8996	1400	D	97955		
0.1107	1300	D	97955		
2.4233	1300	A	97955		

Comment:

Manual Basin: NCL0990

Scenario: Alt3
 Node: NCL0990
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 9.5234 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.3941	1300	A	97955		
0.1293	1300	D	97955		

Comment:

Manual Basin: NCL1010

Scenario: Alt3
 Node: NCL1010
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.5691 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.5071	1300	A	97955		
0.0620	1300	A/D	97955		

Comment:

Manual Basin: NCL1030

Scenario: Alt3
 Node: NCL1030
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.3529 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0065	1400	D	97955		
0.3465	8100	D	97955		

Comment:

Manual Basin: NCL1050

Scenario: Alt3
 Node: NCL1050
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.7773 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3034	8100	D	97955		
1.4739	1400	D	97955		

Comment:

Manual Basin: NCL1090

Scenario: Alt3
 Node: NCL1090
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.8979 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.5365	1300	A	97955		
0.1855	1400	A	97955		
1.1276	1400	D	97955		
0.0456	1300	D	97955		
0.0026	8100	D	97955		

Comment:

Manual Basin: NCL1110

Scenario: Alt3
 Node: NCL1110
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.5372 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.7131	1400	D	97955		
0.8242	8100	D	97955		

Comment:

Manual Basin: NCL1130

Scenario: Alt3
 Node: NCL1130
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.5352 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.3162	1400	A	97955		
0.0005	1300	A	97955		
1.9126	1400	D	97955		
1.3059	8100	D	97955		

Comment:

Manual Basin: NCL1150

Scenario: Alt3
 Node: NCL1150
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.8206 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.4641	1300	A	97955		
0.8996	1400	A	97955		
2.2726	1400	D	97955		
0.1803	1300	D	97955		
0.0039	8100	D	97955		

Comment:

Manual Basin: NCL1170

Scenario: Alt3
 Node: NCL1170
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number

Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 9.7633 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.7633	1300	A	97955		

Comment:

Manual Basin: NCL1210

Scenario: Alt3
Node: NCL1210
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.7185 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0184	1300	A	97955		
1.3147	1400	A	97955		
0.3760	1400	D	97955		
0.0094	8100	D	97955		

Comment:

Manual Basin: NCL1270

Scenario: Alt3
Node: NCL1270
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 27.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 19.6673 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.4660	1400	A	97955		
8.0653	1300	A	97955		
6.1360	1300	A/D	97955		

Comment:

Manual Basin: NCL1290

Scenario: Alt3
Node: NCL1290
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.5477 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.4738	1300	A	97955		
0.0466	1400	A	97955		
0.0273	1300	A/D	97955		

Comment:

Manual Basin: NCL1310

Scenario: Alt3
Node: NCL1310
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 13.1520 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.1624	1300	A/D	97955		
11.9896	1300	A	97955		

Comment:

Manual Basin: NCL1330

Scenario: Alt3
 Node: NCL1330
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.2534 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.2534	1300	A	97955		

Comment:

Manual Basin: NCL1350

Scenario: Alt3
 Node: NCL1350
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.9295 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2955	1300	A	97955		
1.1668	1400	A	97955		
0.4492	1400	D	97955		
0.0180	8100	D	97955		

Comment:

Manual Basin: NCL1370

Scenario: Alt3
 Node: NCL1370
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.4262 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2470	1400	A	97955		
1.1596	1400	D	97955		
1.0197	8100	D	97955		

Comment:

Manual Basin: NCL1390

Scenario: Alt3
 Node: NCL1390
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.1212 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3013	8100	D	97955		
0.6328	1400	D	97955		
0.1871	1400	A	97955		

Comment:

Manual Basin: NCL1410

Scenario: Alt3
 Node: NCL1410
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.2080 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0622	1400	D	97955		
0.1458	1400	A	97955		

Comment:

Manual Basin: NCL1430

Scenario: Alt3
Node: NCL1430
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 12.2922 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
10.7254	1300	A	97955		
0.2679	1300	A/D	97955		
1.1946	1400	A	97955		
0.1043	1400	D	97955		

Comment:

Manual Basin: NCL1450

Scenario: Alt3
Node: NCL1450
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 26.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 8.8711 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2431	1300	A/D	97955		
8.2532	1300	A	97955		
0.3747	1400	A	97955		

Comment:

Manual Basin: NCL1490

Scenario: Alt3
 Node: NCL1490
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.4225 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.3566	1400	A	97955		
0.0658	1400	D	97955		

Comment:

Manual Basin: NCL1510

Scenario: Alt3
 Node: NCL1510
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.1970 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5624	1300	A	97955		
2.5621	1400	A	97955		
0.0725	1400	D	97955		

Comment:

Manual Basin: NCL1530

Scenario: Alt3
 Node: NCL1530
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.3362 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7688	1300	A	97955		
0.4465	1400	A	97955		
0.1200	1400	D	97955		
0.0008	8100	D	97955		

Comment:

Manual Basin: NCL1590

Scenario: Alt3
 Node: NCL1590
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.5901 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4151	1400	A	97955		
0.1750	1300	A	97955		

Comment:

Manual Basin: NCL1610

Scenario: Alt3
 Node: NCL1610
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.7505 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7210	1400	A	97955		
0.0295	1400	D	97955		

Comment:

Manual Basin: NCL1630

Scenario: Alt3
 Node: NCL1630
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.5222 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3014	1400	A	97955		
0.2208	1400	D	97955		

Comment:

Manual Basin: NCL1650

Scenario: Alt3
 Node: NCL1650
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.1582 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4039	1400	A	97955		
1.0382	1400	D	97955		
0.7160	8100	D	97955		

Comment:

Manual Basin: NCL1670

Scenario: Alt3

Node: NCL1670
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.1908 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6913	8100	D	97955		
1.7644	1400	D	97955		
0.3845	1400	A	97955		
0.3506	1300	A	97955		

Comment:

Manual Basin: NCL1690

Scenario: Alt3
 Node: NCL1690
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.7534 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9705	1400	A	97955		
0.7368	1400	D	97955		
0.0461	8100	D	97955		

Comment:

Manual Basin: NCL1710

Scenario: Alt3
 Node: NCL1710
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.3560 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.0155	1400	D	97955		
0.3405	8100	D	97955		

Comment:

Manual Basin: NCL1730

Scenario: Alt3
 Node: NCL1730
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 47.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 12.8931 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2576	8100	D	97955		
1.7660	1400	D	97955		
0.2826	1400	A	97955		
4.6210	1300	A	97955		
0.1014	1400	A/D	97955		
5.8646	1300	A/D	97955		

Comment:

Manual Basin: NCL1770

Scenario: Alt3
 Node: NCL1770
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.5456 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0006	8100	D	97955		
0.0822	1400	D	97955		
0.0119	1400	A	97955		
1.5040	1300	A	97955		
4.9469	1300	A/D	97955		

Comment:

Manual Basin: NCL1810

Scenario: Alt3
Node: NCL1810
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 14.8502 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.8896	1300	A/D	97955		
0.0767	1700	A/D	97955		
4.3027	1400	A/D	97955		
1.5414	1300	A	97955		
0.0399	1400	A	97955		

Comment:

Manual Basin: NCL1830

Scenario: Alt3
Node: NCL1830
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.7445 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.2100	1400	A/D	97955		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8670	1400	A	97955		
0.6675	1400	D	97955		

Comment:

Manual Basin: NCL1930

Scenario: Alt3
Node: NCL1930
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.5377 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1257	1400	A/D	97955		
0.4120	1400	D	97955		

Comment:

Manual Basin: NCL1970

Scenario: Alt3
Node: NCL1970
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.6563 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4438	1400	D	97955		
0.2125	1400	A/D	97955		

Comment:

Manual Basin: NCL2030

Scenario: Alt3
 Node: NCL2030
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.9246 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5308	1400	A/D	97955		
0.3584	1400	D	97955		
0.0354	8100	D	97955		

Comment:

Manual Basin: NCL2070

Scenario: Alt3
 Node: NCL2070
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.5106 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1344	1400	A/D	97955		
0.3762	1400	D	97955		

Comment: Updated basin per ERP 25926

Manual Basin: NCL2110

Scenario: Alt3
 Node: NCL2110
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.3286 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.9950	1400	D	97956		
2.0001	1400	D	97955		
0.3335	1400	A/D	97956		

Comment:

Manual Basin: NCL2130

Scenario: Alt3
 Node: NCL2130
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.0476 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0005	1400	D	97956		
0.8474	1400	A/D	97956		
7.0531	1300	A/D	97956		
0.1464	1300	C/D	97956		
0.0002	1400	C/D	97956		

Comment:

Manual Basin: NCL2150

Scenario: Alt3
 Node: NCL2150
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 11.4407 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5497	1400	D	97955		
0.8257	1400	D	97956		
8.7976	1300	A/D	97956		
0.2444	1400	A/D	97956		
0.0233	1300	D	97956		

Comment:

Manual Basin: NCL2170

Scenario: Alt3
Node: NCL2170
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 6.8440 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.3971	1400	D	97956		
3.0688	1400	D	97955		
1.2926	8100	D	97955		
0.0533	1400	A/D	97956		
0.0322	1300	A/D	97956		

Comment:

Manual Basin: NCL2230

Scenario: Alt3
Node: NCL2230
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 8.5855 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.7078	1300	C/D	97956		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.3830	1300	A/D	97956		
0.7191	1400	C/D	97956		
0.1355	1300	D	97956		
0.6401	1400	D	97956		

Comment:

Manual Basin: NCL2270

Scenario: Alt3
Node: NCL2270
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.6996 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.4990	1400	D	97956		
1.0138	1400	C/D	97956		
0.0483	1400	A/D	97956		
0.0051	1300	A/D	97956		
0.1335	1300	C/D	97956		

Comment:

Manual Basin: NCL2290

Scenario: Alt3
Node: NCL2290
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.8370 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.7317	1400	D	97956		
0.0769	1400	A/D	97956		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0284	1300	A/D	97956		

Comment:

Manual Basin: NCL2330

Scenario: Alt3
Node: NCL2330
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.9821 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1203	1400	A/D	97956		
0.6523	1400	C/D	97956		
4.4979	1400	D	97956		
0.5279	1300	D	97956		
0.1837	1300	A/D	97956		

Comment:

Manual Basin: NCL2350

Scenario: Alt3
Node: NCL2350
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.6713 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8290	1400	A/D	97956		
1.2574	1400	D	97956		
0.5849	1300	D	97956		

Comment:

Manual Basin: NCL2390

Scenario: Alt3
 Node: NCL2390
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.3537 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2177	1400	D	97956		
0.2369	1300	D	97956		
1.0743	1400	A/D	97956		
8.8248	1300	A/D	97956		

Comment:

Manual Basin: NCL2410

Scenario: Alt3
 Node: NCL2410
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.3373 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2375	1400	A/D	97956		
2.0998	1300	A/D	97956		

Comment:

Manual Basin: NCL2430

Scenario: Alt3
 Node: NCL2430
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.3441 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4059	1400	A/D	97956		
2.9382	1300	A/D	97956		

Comment:

Manual Basin: NCL2470

Scenario: Alt3
 Node: NCL2470
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.6972 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.1828	1400	D	97956		
2.5145	1400	A/D	97956		

Comment: DELINEATED PER ERP 2903

Manual Basin: NCL2490

Scenario: Alt3
 Node: NCL2490
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.1638 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0342	1400	A/D	97956		
2.1297	1300	A/D	97956		

Comment:

Manual Basin: NCL2510

Scenario: Alt3
Node: NCL2510
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 14.3623 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1208	1400	D	97956		
2.0157	1400	A/D	97956		
12.2258	1300	A/D	97956		

Comment:

Manual Basin: NCL2530

Scenario: Alt3
Node: NCL2530
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.6123 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0006	1400	D	97956		
0.2078	1400	A/D	97956		
4.4039	1300	A/D	97956		

Comment:

Manual Basin: NCL2540

Scenario: Alt3

Node: NCL2540
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.7763 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.7763	1300	A/D	97956		

Comment: LOW POINT WITH NO DRAINAGE INFRASTRUCTURE

Manual Basin: NCL2550

Scenario: Alt3
Node: NCL2550
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.8345 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8345	1300	A/D	97956		

Comment:

Manual Basin: NCL2580

Scenario: Alt3
Node: NCL2580
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.2237 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.5769	1300	A/D	97956		
0.6468	1300	C/D	97956		

Comment:

Manual Basin: NCL2590

Scenario: Alt3
Node: NCL2590
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 17.0860 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
16.9990	1300	A/D	97956		
0.0013	1400	A/D	97956		
0.0857	1300	C/D	97956		

Comment:

Manual Basin: NCL2610

Scenario: Alt3
Node: NCL2610
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.7263 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.7263	1300	A/D	97956		

Comment:

Manual Basin: NCL2630

Scenario: Alt3
 Node: NCL2630
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.5093 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.3873	1300	A/D	97956		
1.1220	1300	A/D	97957		

Comment:

Manual Basin: NCL2631

Scenario: Alt3
 Node: NCL2631
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.3837 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3124	1400	D	97957		
1.0079	1400	D	97956		
0.7657	1400	A/D	97956		
0.1450	1400	A/D	97957		
0.2004	1300	A/D	97957		
0.9523	1300	A/D	97956		

Comment:

Manual Basin: NCL2650

Scenario: Alt3
 Node: NCL2650
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number

Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 15.1756 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
11.0462	1300	A/D	97956		
1.9949	1300	C/D	97956		
2.1345	1300	B/D	97956		

Comment:

Manual Basin: NCL2670

Scenario: Alt3
 Node: NCL2670
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.9653 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.4507	1300	C/D	97956		
5.4431	1300	B/D	97956		
0.0715	1300	A/D	97956		

Comment:

Manual Basin: NCL2690

Scenario: Alt3
 Node: NCL2690
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.0402 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient	Reference ET

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8398	1300	A/D	97956		
3.2004	1300	B/D	97956		

Comment:

Manual Basin: NCL2710

Scenario: Alt3
Node: NCL2710
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 6.7966 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.4243	1300	A/D	97956		
3.7604	1300	C/D	97956		
0.6119	1300	B/D	97956		

Comment:

Manual Basin: NCL2730

Scenario: Alt3
Node: NCL2730
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.9748 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.8392	1300	A/D	97956		
3.1356	1300	C/D	97956		

Comment: NE CORNER HAS A 12" PIPE. NOT MODELED; ASSUMING ALL WATER STAYS WITHIN THE SYSTEM.

Manual Basin: NCL2750

Scenario: Alt3
 Node: NCL2750
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.9267 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.5792	1300	A/D	97956		
0.3475	1300	C/D	97956		

Comment:

Manual Basin: NCL2780

Scenario: Alt3
 Node: NCL2780
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.2848 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.7802	1300	A/D	97956		
0.5045	1300	C/D	97956		

Comment:

Manual Basin: NCL2790

Scenario: Alt3
 Node: NCL2790
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 20.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 19.5818 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.8795	1300	A/D	97956		
15.6707	1300	C/D	97956		
0.0316	1300	A	97956		

Comment:

Manual Basin: NCL2810

Scenario: Alt3

Node: NCL2810

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 2.9402 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.4472	1300	C/D	97956		
0.4930	1300	A/D	97956		

Comment:

Manual Basin: NCL2830

Scenario: Alt3

Node: NCL2830

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 1.6354 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5974	1300	A/D	97956		
0.0379	1300	C/D	97956		

Comment:

Manual Basin: NCL2840

Scenario: Alt3
 Node: NCL2840
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.4508 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.9321	1300	C/D	97956		
0.2584	1300	A/D	97956		
3.9649	1300	A	97956		
0.2954	1400	A	97956		

Comment:

Manual Basin: NCL2845

Scenario: Alt3
 Node: NCL2845
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.2245 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.1198	1300	A/D	97956		
0.0577	1300	C/D	97956		
2.0470	1300	A	97956		

Comment:

Manual Basin: NCL2850

Scenario: Alt3
 Node: NCL2850
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.0003 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.5061	1400	A/D	97956		
1.4933	1400	D	97956		
0.0010	1300	A/D	97956		

Comment: DELINEATED PER ERP 2903

Manual Basin: NCL2890

Scenario: Alt3
 Node: NCL2890
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.0208 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3387	1400	A/D	97956		
1.6821	1400	D	97956		

Comment:

Manual Basin: NCL2910

Scenario: Alt3
 Node: NCL2910
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.9371 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4206	1400	A/D	97956		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5165	1400	D	97956		

Comment:

Manual Basin: NCL2930

Scenario: Alt3
Node: NCL2930
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.5563 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.5460	1300	C/D	97956		
0.7197	1400	C/D	97956		
0.2906	1400	D	97956		

Comment:

Manual Basin: NCL2950

Scenario: Alt3
Node: NCL2950
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.4625 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.0039	1300	D	97956		
2.4587	1300	C/D	97956		

Comment:

Manual Basin: NCL2970

Scenario: Alt3
 Node: NCL2970
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 14.8409 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
10.2796	1300	C/D	97956		
2.6872	1400	C/D	97956		
0.7777	1300	A/D	97956		
0.6252	1400	A/D	97956		
0.4712	1400	D	97956		

Comment:

Manual Basin: NCL2990

Scenario: Alt3
 Node: NCL2990
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.9027 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2031	1300	D	97482		
0.6996	1300	D	97956		

Comment:

Manual Basin: NCL3010

Scenario: Alt3
 Node: NCL3010
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 14.1811 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.4141	1400	C/D	97482		
0.1793	1300	C/D	97482		
3.8764	1400	D	97482		
0.5496	1400	A/D	97482		
0.1750	1300	D	97482		
0.8660	1400	C/D	97956		
3.5634	1400	D	97956		
1.5573	1300	D	97956		

Comment:

Manual Basin: NCL3030

Scenario: Alt3
 Node: NCL3030
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.1011 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.7579	1400	A/D	97482		
1.3924	1300	A/D	97482		
0.1289	1400	C/D	97482		
0.8145	1300	A/D	97956		
1.3067	1400	A/D	97956		
0.7008	1400	C/D	97956		

Comment:

Manual Basin: NCL3050

Scenario: Alt3
 Node: NCL3050
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number

Time of Concentration: 22.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 14.1442 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.1848	1400	A/D	97956		
2.9595	1400	C/D	97956		
0.1628	1400	D	97956		
4.7178	1300	A/D	97956		
0.1192	1300	C/D	97956		

Comment:

Manual Basin: NCL3070

Scenario: Alt3
 Node: NCL3070
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.9611 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.1620	1400	C/D	97956		
0.0444	1400	D	97956		
0.3517	1300	D	97956		
5.7626	1300	C/D	97956		
0.7705	1400	A/D	97956		
1.8699	1300	A/D	97956		

Comment:

Manual Basin: NCL3090

Scenario: Alt3
 Node: NCL3090
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.3728 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.2484	1300	A/D	97482		
1.4698	1300	A	97482		
0.2407	8300	A	97482		
0.1805	1300	D	97482		
0.3992	8300	A/D	97482		
2.7405	1300	A/D	97956		
0.0939	1300	D	97956		

Comment:

Manual Basin: NCL3110

Scenario: Alt3
 Node: NCL3110
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 12.3237 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
11.4652	1300	A/D	97956		
0.8364	1400	A/D	97956		
0.0221	1400	D	97956		

Comment:

Manual Basin: NCL3130

Scenario: Alt3
 Node: NCL3130
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 7.0928 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.6281	1300	A/D	97956		
0.4646	1400	A/D	97956		

Comment:

Manual Basin: NCL3150

Scenario: Alt3
 Node: NCL3150
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 4.7878 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.1866	1400	D	97482		
0.1717	1300	D	97482		
2.0227	1400	D	97956		
0.0703	1300	D	97956		
0.3365	1400	A/D	97956		

Comment:

Manual Basin: NCL3170

Scenario: Alt3
 Node: NCL3170
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 3.7433 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2703	1400	A/D	97956		
1.0844	1400	D	97956		
1.2083	1300	A/D	97956		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1803	1300	D	97956		

Comment:

Manual Basin: NCL3190

Scenario: Alt3
Node: NCL3190
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 8.9739 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.7545	1400	A/D	97956		
6.2194	1300	A/D	97956		

Comment:

Manual Basin: NCL3210

Scenario: Alt3
Node: NCL3210
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 9.6576 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.0317	1300	A/D	97956		
0.6170	1400	A/D	97956		
0.0088	1400	D	97956		

Comment:

Manual Basin: NCL3230

Scenario: Alt3
 Node: NCL3230
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.0158 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8587	1300	A/D	97956		
1.1572	1400	A/D	97956		

Comment:

Manual Basin: NCL3250

Scenario: Alt3
 Node: NCL3250
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.0117 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.2815	1400	D	97482		
0.4920	1300	D	97482		
0.0173	1300	A	97482		
0.0200	1400	A	97482		
0.7725	1400	A	97956		
0.0173	1400	D	97956		
0.6510	1300	A	97956		
0.0278	1300	D	97956		
0.4186	1400	A/D	97956		
2.3138	1300	A/D	97956		

Comment:

Manual Basin: NCL3270

Scenario: Alt3
 Node: NCL3270
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.0215 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6671	1400	A/D	97956		
0.3544	1300	A/D	97956		

Comment:

Manual Basin: NCL3280

Scenario: Alt3
 Node: NCL3280
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.0493 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.0487	1300	A/D	97956		
0.0006	1400	A/D	97956		

Comment:

Manual Basin: NCL3290

Scenario: Alt3
 Node: NCL3290
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 2.6258 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.4062	1300	A/D	97956		
0.2196	1700	A/D	97956		

Comment:

Manual Basin: NCL3300

Scenario: Alt3
 Node: NCL3300
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 1.2558 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7280	1300	A/D	97956		
0.5278	1700	A/D	97956		

Comment:

Manual Basin: NCL3330

Scenario: Alt3
 Node: NCL3330
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 1.0124 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.0124	1700	A/D	97956		

Comment: ERP 19405 HAS CONTROL STRUCTURE DETAIL BUT SCHOOL DRAINAGE PLANS ARE REMOVED. ASSUME POND TREATMENT. NORTH BUILDING HAS ROOF DRAINS

Manual Basin: NCL3350

Scenario: Alt3
 Node: NCL3350
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.6283 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.5083	1300	A/D	97956		
0.6283	1700	A/D	97956		
1.4918	1400	A/D	97956		

Comment: Assumes parking lot connects to Gomez system

Manual Basin: NCL3360

Scenario: Alt3
 Node: NCL3360
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.7811 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2765	1300	A/D	97956		
0.5047	1400	A/D	97956		

Comment:

Manual Basin: NCL3365

Scenario: Alt3
 Node: NCL3365
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.1143 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9144	1300	A/D	97956		
0.5396	1700	A/D	97956		
0.6088	1400	A/D	97956		
0.0515	1400	D	97956		

Comment:

Manual Basin: NCL3370

Scenario: Alt3
 Node: NCL3370
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.6219 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7110	1300	A/D	97956		
1.7604	1400	A/D	97956		
3.1505	1400	D	97956		

Comment:

Manual Basin: NCL3390

Scenario: Alt3
 Node: NCL3390
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.1557 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6841	1400	A/D	97956		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4716	1400	D	97956		

Comment:

Manual Basin: NCL3430

Scenario: Alt3
Node: NCL3430
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.3548 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2650	1400	A/D	97956		
0.0897	1400	D	97956		

Comment:

Manual Basin: NCL3450

Scenario: Alt3
Node: NCL3450
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 6.7799 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8446	1400	D	97482		
0.1865	1400	A	97482		
1.5243	1300	A	97482		
0.6480	1300	D	97482		
3.3405	1300	A	97956		
0.0145	1300	D	97956		
0.0008	1400	D	97956		
0.2207	1400	A	97956		

Comment:

Manual Basin: NCL3470

Scenario: Alt3
Node: NCL3470
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 14.9569 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.7630	1300	A	97956		
8.1939	1300	A/D	97956		

Comment:

Manual Basin: NCL3490

Scenario: Alt3
Node: NCL3490
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.6895 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.6868	1300	A/D	97956		
0.0026	1300	A	97956		

Comment:

Manual Basin: NCL3510

Scenario: Alt3
Node: NCL3510

Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.0542 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.8625	1300	A/D	97956		
0.1917	1400	A/D	97956		

Comment:

Manual Basin: NCL3520

Scenario: Alt3
 Node: NCL3520
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.6475 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.1836	1300	A/D	97956		
2.3385	1400	A/D	97956		
0.1254	1400	D	97956		

Comment:

Manual Basin: NCL3530

Scenario: Alt3
 Node: NCL3530
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.7388 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.3834	1400	A/D	97956		
2.2252	1400	D	97956		
0.1302	1300	A/D	97956		

Comment:

Manual Basin: NCL3590

Scenario: Alt3
Node: NCL3590
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.6086 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3424	1400	D	97956		
0.2663	1400	A/D	97956		

Comment:

Manual Basin: NCL3630

Scenario: Alt3
Node: NCL3630
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.1191 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.3313	1400	A/D	97956		
0.0160	1400	A/D	97957		
0.3019	1400	D	97957		
3.4104	1400	D	97956		
0.0596	1300	A/D	97956		

Comment:

Manual Basin: NCL3640

Scenario: Alt3
Node: NCL3640
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.7355 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4920	1400	A/D	97957		
2.1272	1400	D	97957		
1.1163	1300	A/D	97957		

Comment:

Manual Basin: NCL3670

Scenario: Alt3
Node: NCL3670
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.8150 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.8150	1400	D	97482		

Comment:

Manual Basin: NCL3730

Scenario: Alt3
Node: NCL3730
Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.0025 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6458	1400	D	97482		
2.6610	1400	A	97482		
0.6957	1300	A	97482		

Comment:

Manual Basin: NCL3740

Scenario: Alt3
 Node: NCL3740
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.2852 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1537	1300	A	97482		
1.1314	1300	A	97956		

Comment:

Manual Basin: NCL3750

Scenario: Alt3
 Node: NCL3750
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 9.6366 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient	Reference ET

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4763	1400	D	97482		
3.1096	1300	D	97482		
3.0411	1300	C/D	97482		
2.0039	1300	A/D	97482		
0.0036	1300	C/D	97956		
0.0021	1300	D	97956		

Comment:

Manual Basin: NCL3770

Scenario: Alt3
Node: NCL3770
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.6106 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9090	1400	D	97482		
0.2771	1400	C/D	97482		
0.1298	1400	A/D	97482		
0.7417	1300	A/D	97482		
1.4634	1300	C/D	97482		
0.0895	1300	D	97482		

Comment:

Manual Basin: NCL4000

Scenario: Alt3
Node: NCL4000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 15.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 17.9325 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient	Reference ET

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.4513	1400	A	97956		
13.8820	1300	A	97956		
0.5992	8100	A	97956		

Comment:

Manual Basin: NCL4010

Scenario: Alt3
Node: NCL4010
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 6.2561 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3043	1400	A	97956		
5.9518	1300	A	97956		

Comment:

Manual Basin: NOC0030

Scenario: Alt3
Node: NOC0030
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 14.0811 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
14.0811	1300	A/D	97954		

Comment:

Manual Basin: NOC0050

Scenario: Alt3
 Node: NOC0050
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.6402 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.6402	1300	A/D	97954		

Comment:

Manual Basin: NOC0070

Scenario: Alt3
 Node: NOC0070
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.4199 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2382	1300	A/D	97954		
0.2011	1400	A/D	97954		
0.9475	1400	D	97954		
0.0330	1300	D	97954		

Comment:

Manual Basin: NOC0170

Scenario: Alt3
 Node: NOC0170
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.8390 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1861	1300	A/D	97954		
0.4845	1400	A/D	97954		
3.1683	1400	D	97954		
0.0000	1300	D	97954		

Comment:

Manual Basin: NOC0190

Scenario: Alt3
 Node: NOC0190
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.0120 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1957	1400	D	97954		
0.8163	8100	D	97954		

Comment:

Manual Basin: NOC0210

Scenario: Alt3
 Node: NOC0210
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.6430 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.1009	1300	A/D	97954		
0.2165	1300	D	97954		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.3253	1400	D	97954		
0.0003	8100	D	97954		

Comment:

Manual Basin: NOC0250

Scenario: Alt3
Node: NOC0250
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.1639 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1164	1400	D	97954		
1.0475	8100	D	97954		

Comment:

Manual Basin: NOC0270

Scenario: Alt3
Node: NOC0270
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.4015 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4258	1400	D	97954		
0.9757	8100	D	97954		

Comment:

Manual Basin: NOC0310

Scenario: Alt3
 Node: NOC0310
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 17.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 18.9729 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
18.2811	1400	D	97954		
0.1900	1400	C/D	97954		
0.0539	1400	A	97954		
0.0067	8100	A	97954		
0.4413	8100	D	97954		

Comment:

Manual Basin: NOC0330

Scenario: Alt3
 Node: NOC0330
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.5568 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
10.4669	1400	D	97954		
0.0899	8100	D	97954		

Comment:

Manual Basin: NOC0350

Scenario: Alt3
 Node: NOC0350
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 13.0000 min

Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 25.4007 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
24.8599	1400	D	97954		
0.5407	8100	D	97954		

Comment:

Manual Basin: NOC0370

Scenario: Alt3
 Node: NOC0370
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 12.7970 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.1993	8100	D	97954		
0.8418	1400	D	97954		
9.7466	1400	D	97955		
0.0093	8100	D	97955		

Comment:

Manual Basin: NOC0390

Scenario: Alt3
 Node: NOC0390
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.6741 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6655	1300	A/D	97955		
0.2883	1300	D	97955		
2.2986	1400	D	97955		
0.4216	1400	D	97954		

Comment:

Manual Basin: NOC0410

Scenario: Alt3
Node: NOC0410
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 7.2691 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.8281	1300	A/D	97955		
0.1177	1300	D	97955		
0.2651	1400	D	97955		
0.0006	1400	A/D	97955		
0.0575	1300	A	97955		

Comment:

Manual Basin: NOC0430

Scenario: Alt3
Node: NOC0430
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.0478 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.5665	1300	A/D	97955		
0.2791	1300	A	97955		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0918	1300	D	97955		
0.1103	1400	D	97955		

Comment:

Manual Basin: NOC0450

Scenario: Alt3
Node: NOC0450
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.7627 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5245	1300	A/D	97955		
1.0399	1400	D	97955		
0.1522	1300	D	97955		
0.0098	1900	D	97955		
0.0364	1900	A/D	97955		

Comment:

Manual Basin: NOC0470

Scenario: Alt3
Node: NOC0470
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 33.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 10.4610 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8668	1300	A/D	97955		
6.3847	1300	A	97955		
1.2116	8300	A	97955		
0.0011	1900	A/D	97955		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9966	1900	A	97955		

Comment:

Manual Basin: NOC0490

Scenario: Alt3
Node: NOC0490
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 30.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.7828 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1980	1900	D	97955		
0.0017	1900	A/D	97955		
1.5664	1400	D	97955		
0.0167	8100	D	97955		

Comment:

Manual Basin: NRU0070

Scenario: Alt3
Node: NRU0070
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.5705 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.5705	1300	A/D	97482		

Comment:

Manual Basin: NRU0090

Scenario: Alt3
Node: NRU0090
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 15.9334 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
15.9334	1300	A/D	97482		

Comment:

Manual Basin: NRU0110

Scenario: Alt3
Node: NRU0110
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 8.6410 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.8614	1300	A/D	97008		
5.7795	1300	A/D	97482		

Comment:

Manual Basin: NRU0130

Scenario: Alt3
Node: NRU0130
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 3.9430 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4531	1300	A/D	97482		
3.4899	8100	A/D	97482		

Comment:

Manual Basin: NRU0165

Scenario: Alt3
 Node: NRU0165
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 1.2695 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1272	1800	A/D	97482		
0.0378	8100	A/D	97482		
1.1045	1300	A/D	97482		

Comment:

Manual Basin: NRU0170

Scenario: Alt3
 Node: NRU0170
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 15.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 7.7159 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.7159	1300	A/D	97482		

Comment:

Manual Basin: NRU0180

Scenario: Alt3
 Node: NRU0180
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 27.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 17.2511 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
14.4634	1300	A/D	97482		
0.7702	1400	A/D	97482		
1.6649	1400	A	97482		
0.3526	1300	A	97482		

Comment:

Manual Basin: NRU0190

Scenario: Alt3
 Node: NRU0190
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.6017 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4747	8100	A/D	97482		
1.1269	1300	A/D	97482		

Comment:

Manual Basin: NRU0210

Scenario: Alt3
 Node: NRU0210
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.1327 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.1327	8100	A/D	97482		

Comment:

Manual Basin: NRU0230

Scenario: Alt3
Node: NRU0230
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.9256 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.8642	1300	A/D	97482		
1.0613	8100	A/D	97482		

Comment: Assume ponds connect on same property

Manual Basin: NRU0250

Scenario: Alt3
Node: NRU0250
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 6.5153 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.5153	1300	A/D	97482		

Comment:

Manual Basin: NRU0270

Scenario: Alt3
Node: NRU0270
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.3476 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.3476	1300	A/D	97482		

Comment:

Manual Basin: NRU0290

Scenario: Alt3
Node: NRU0290
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.6281 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.6281	1300	A/D	97482		

Comment:

Manual Basin: NRU0310

Scenario: Alt3
Node: NRU0310
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.1315 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.1315	1300	A/D	97482		

Comment:

Manual Basin: NRU0335

Scenario: Alt3
Node: NRU0335
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.2036 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.2036	1300	A/D	97482		

Comment:

Manual Basin: NRU0340

Scenario: Alt3
Node: NRU0340
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 12.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.8397 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.8397	1300	A/D	97482		

Comment:

Manual Basin: NRU0345

Scenario: Alt3

Node: NRU0345
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 15.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.1571 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.7808	1300	A/D	97482		
0.6642	1300	A/D	97483		
1.6797	1300	A	97482		
0.0324	1300	A	97483		

Comment:

Manual Basin: NRU0350

Scenario: Alt3
 Node: NRU0350
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.0728 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9550	1300	A/D	97482		
0.1179	1300	A/D	97483		

Comment:

Manual Basin: NRU0370

Scenario: Alt3
 Node: NRU0370
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 1.3204 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1027	8100	A/D	97482		
0.2298	1300	A/D	97482		
0.0670	8100	A/D	97483		
0.2460	1300	A/D	97483		
0.1188	8100	A	97483		
0.5561	1300	A	97483		

Comment:

Manual Basin: NRU0390

Scenario: Alt3

Node: NRU0390

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 5.2366 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7953	8100	A/D	97482		
1.5336	8100	A/D	97483		
2.9077	8100	A	97483		

Comment:

Manual Basin: NRU0490

Scenario: Alt3

Node: NRU0490

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 0.8802 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6429	1300	A	97483		
0.0887	8100	A	97483		
0.1486	1400	A	97483		

Comment:

Manual Basin: NRU0495

Scenario: Alt3
Node: NRU0495
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.7046 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.2248	1400	A	97483		
0.4694	1300	A	97483		
0.0103	8100	A	97483		

Comment:

Manual Basin: NRU0500

Scenario: Alt3
Node: NRU0500
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.7226 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.7162	1400	A	97483		
0.0063	8100	A	97483		

Comment:

Manual Basin: NRU0510

Scenario: Alt3
 Node: NRU0510
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 15.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 9.0446 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0827	1300	A/D	97483		
7.0694	1300	A	97483		
0.3066	1300	A/D	97482		
1.5816	1300	A	97482		
0.0043	8100	A	97483		

Comment:

Manual Basin: NRU0550

Scenario: Alt3
 Node: NRU0550
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 15.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.6652 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
10.6649	1300	A/D	97482		
0.0002	1300	A	97482		

Comment:

Manual Basin: NRU0570

Scenario: Alt3
 Node: NRU0570
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 6.2061 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.0481	1300	A/D	97482		
4.1580	1300	A	97482		

Comment:

Manual Basin: NRU0590

Scenario: Alt3
Node: NRU0590
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.9773 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9773	1300	A	97482		

Comment:

Manual Basin: NRU0610

Scenario: Alt3
Node: NRU0610
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 13.6775 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
13.6775	1300	A	97482		

Comment:

Manual Basin: NRU0612

Scenario: Alt3
 Node: NRU0612
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 18.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.6868 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
10.6868	1300	A	97482		

Comment:

Manual Basin: NRU0616

Scenario: Alt3
 Node: NRU0616
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.4792 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8728	1300	A	97483		
0.6064	1300	A	97482		

Comment:

Manual Basin: NRU0618

Scenario: Alt3
 Node: NRU0618
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 4.1786 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.2382	1300	A	97483		
0.9404	1300	A	97482		

Comment:

Manual Basin: NRU0620

Scenario: Alt3
 Node: NRU0620
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 6.4480 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.4382	1300	A	97482		
0.0098	1300	A/D	97482		

Comment:

Manual Basin: NRU0630

Scenario: Alt3
 Node: NRU0630
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 4.6761 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.6761	1300	A	97482		

Comment:

Manual Basin: NRU0650

Scenario: Alt3
Node: NRU0650
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 13.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 8.8666 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.8666	1300	A	97482		

Comment:

Manual Basin: NRU0690

Scenario: Alt3
Node: NRU0690
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.5910 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.5910	1300	A	97482		

Comment:

Manual Basin: NRU0710

Scenario: Alt3
Node: NRU0710
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 7.2980 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.2980	1300	A	97482		

Comment:

Manual Basin: NRU0730

Scenario: Alt3
Node: NRU0730
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 15.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 12.8353 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
12.8353	1300	A	97482		

Comment:

Manual Basin: NRU0740

Scenario: Alt3
Node: NRU0740
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.2562 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.2562	1300	A	97482		

Comment:

Manual Basin: NRU0745

Scenario: Alt3

Node: NRU0745
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.4582 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.4582	1300	A	97482		

Comment:

Manual Basin: NRU0750

Scenario: Alt3
 Node: NRU0750
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 20.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 15.7082 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
15.0321	1300	A	97482		
0.6761	1400	A	97482		

Comment:

Manual Basin: NRU0785

Scenario: Alt3
 Node: NRU0785
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.3526 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.7187	1300	A	97482		
0.1093	1300	A	97483		
0.5053	1400	A	97482		
0.0193	1400	A	97483		

Comment:

Manual Basin: NRU0790

Scenario: Alt3
 Node: NRU0790
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 15.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 9.0594 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3869	1400	A	97483		
4.6360	1400	A	97482		
0.0050	1300	A	97482		
4.0315	1400	D	97482		

Comment:

Manual Basin: NRU0830

Scenario: Alt3
 Node: NRU0830
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.1448 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2160	1400	A	97483		
1.3643	1400	A	97482		
0.0959	1400	D	97482		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1497	1300	A	97483		
0.3189	1300	A	97482		

Comment:

Manual Basin: NRU0890

Scenario: Alt3
Node: NRU0890
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.2093 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2057	1400	A	97482		
1.3396	1300	A	97482		
0.3680	1300	A	97483		
0.8861	5300	A	97482		
0.2938	5300	A	97483		
0.1160	1400	A	97483		

Comment:

Manual Basin: NRU0930

Scenario: Alt3
Node: NRU0930
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.7012 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.5013	1300	A	97483		
0.1999	1300	A	97482		

Comment:

Manual Basin: NRU0950

Scenario: Alt3
Node: NRU0950
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.7985 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0709	1400	D	97482		
0.4050	1400	A	97482		
1.3226	1300	A	97482		

Comment:

Manual Basin: NRU0955

Scenario: Alt3
Node: NRU0955
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.8435 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.0964	1300	A	97482		
1.7471	1300	A	97956		

Comment:

Manual Basin: NRU0960

Scenario: Alt3
Node: NRU0960

Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.2794 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2794	1300	A	97956		

Comment:

Manual Basin: NRU0965

Scenario: Alt3
 Node: NRU0965
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.6879 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.8978	1300	A	97956		
1.7901	1300	A/D	97956		

Comment:

Manual Basin: NRU0970

Scenario: Alt3
 Node: NRU0970
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.6908 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4593	1400	A	97483		
0.3510	1400	A	97482		
0.2604	1300	A	97482		
0.0003	1300	A	97483		
0.0657	1400	A	97956		
1.5542	1300	A	97956		

Comment:

Manual Basin: NRU1010

Scenario: Alt3
Node: NRU1010
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.3089 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2367	1400	A	97483		
0.9826	1300	A	97483		
0.0339	1300	A/D	97483		
0.0558	1400	A/D	97483		

Comment:

Manual Basin: NRU1015

Scenario: Alt3
Node: NRU1015
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.4853 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9018	1300	A	97483		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1720	1400	A	97483		
0.7445	1400	A/D	97483		
0.6630	1300	A/D	97483		
0.0040	1400	A/D	97957		

Comment:

Manual Basin: NRU1020

Scenario: Alt3
Node: NRU1020
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.3193 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.3080	1300	A	97483		
0.0113	1300	A/D	97483		

Comment:

Manual Basin: NRU1030

Scenario: Alt3
Node: NRU1030
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 6.0154 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.8477	1400	A/D	97957		
1.3017	1300	A/D	97957		
1.5655	1300	A	97956		
0.1038	1300	A	97957		
0.1967	1300	A/D	97956		

Comment: CHEAP roof drains on west side of building

Manual Basin: NRU1035

Scenario: Alt3
 Node: NRU1036
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.2098 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2098	1400	A/D	97957		

Comment:

Manual Basin: NRU1040

Scenario: Alt3
 Node: NRU1040
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.3126 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1340	1400	A	97483		
0.0188	1400	A	97482		
0.2082	1400	A	97957		
0.0263	1400	A	97956		
1.1956	1300	A	97957		
0.4509	1300	A	97956		
0.9643	1400	A/D	97957		
0.3146	1300	A/D	97957		

Comment:

Manual Basin: NRU1045

Scenario: Alt3
 Node: NRU1045
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.9788 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.5370	1400	A/D	97483		
0.1519	1400	A	97483		
3.2214	1400	A/D	97957		
0.0685	1400	A	97957		

Comment:

Manual Basin: NRU1050

Scenario: Alt3
 Node: NRU1050
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.3263 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.2529	1300	A/D	97957		
0.1284	1400	A/D	97957		
3.2071	1300	A/D	97956		
0.6420	1300	A	97956		
0.0958	1400	A/D	97956		

Comment:

Manual Basin: NRU1070

Scenario: Alt3
 Node: NRU1070
 Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.3113 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.4912	1300	A/D	97957		
0.4073	1300	A/D	97956		
2.7103	1400	A/D	97957		
0.6749	1400	A/D	97956		
0.0277	1400	D	97957		

Comment:

Manual Basin: NRU1110

Scenario: Alt3
 Node: NRU1110
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.4386 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9243	1300	A	97482		
1.5143	1300	A	97483		

Comment:

Manual Basin: NRU1150

Scenario: Alt3
 Node: NRU1150
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 5.6589 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.3204	1300	A	97482		
1.3385	1300	A	97483		

Comment:

Manual Basin: NRU1170

Scenario: Alt3
 Node: NRU1170
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 10.2984 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.0988	1300	A	97482		
5.9207	1300	A	97483		
0.2789	1400	A	97483		

Comment:

Manual Basin: NRU1182

Scenario: Alt3
 Node: NRU1182
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 1.2927 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0312	1300	A	97483		
1.2614	1700	A	97483		

Comment:

Manual Basin: NRU1185

Scenario: Alt3
 Node: NRU1185
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 13.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.4406 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.5105	1300	A	97483		
2.5737	1400	A	97483		
1.3564	1700	A	97483		

Comment:

Manual Basin: NRU1188

Scenario: Alt3
 Node: NRU1188
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.3012 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.1053	1300	A	97483		
1.1958	1700	A	97483		

Comment:

Manual Basin: NRU1220

Scenario: Alt3
 Node: NRU1220
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 13.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.9601 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.7034	1300	A	97483		
0.3380	1300	A	97482		
0.9187	1400	A	97483		

Comment:

Manual Basin: NRU1225

Scenario: Alt3
 Node: NRU1225
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.5031 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5031	1300	A	97483		

Comment:

Manual Basin: NRU1234

Scenario: Alt3
 Node: NRU1234
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.2454 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2037	1700	A	97483		
0.0002	1300	A	97483		
0.0416	1400	A	97483		

Comment:

Manual Basin: NRU1240

Scenario: Alt3
Node: NRU1240
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.3933 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.3919	1400	A	97483		
0.0014	1300	A	97483		

Comment:

Manual Basin: NRU1250

Scenario: Alt3
Node: NRU1250
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.0793 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3808	8100	A/D	97008		
0.1567	1300	A/D	97008		
0.2537	1300	A/D	97482		
0.2882	8100	A/D	97482		

Comment:

Manual Basin: NRU1270

Scenario: Alt3

Node: NRU1270
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.0265 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.7322	1300	A/D	97008		
1.2943	1300	A/D	97482		

Comment:

Manual Basin: NRU1330

Scenario: Alt3
 Node: NRU1330
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.6339 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1447	8100	A/D	97482		
0.2164	1300	A/D	97482		
1.2727	1800	A/D	97482		

Comment:

Manual Basin: NRU1350

Scenario: Alt3
 Node: NRU1350
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 1.7533 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.7533	1300	A/D	97482		

Comment:

Manual Basin: NRU1370

Scenario: Alt3
Node: NRU1370
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 6.3283 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.5186	1300	A/D	97008		
0.0402	1400	A/D	97008		
4.3960	1300	A/D	97482		
1.3735	1400	A/D	97482		

Comment:

Manual Basin: NRU1390

Scenario: Alt3
Node: NRU1390
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 16.3781 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
12.9929	1300	A/D	97482		
2.6523	1400	A/D	97482		
0.7329	1800	A/D	97482		

Comment:

Manual Basin: NRU1410

Scenario: Alt3
 Node: NRU1410
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.7877 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.4994	1400	A/D	97482		
6.1874	1300	A/D	97482		
0.1009	1820	A/D	97482		

Comment:

Manual Basin: NRU1430

Scenario: Alt3
 Node: NRU1430
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 9.5087 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9651	1400	A/D	97008		
3.2907	1300	A/D	97008		
1.2781	1400	A/D	97482		
1.9747	1300	A/D	97482		

Comment:

Manual Basin: NRU1450

Scenario: Alt3
 Node: NRU1450
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.2294 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.2390	1400	A/D	97008		
3.9904	1300	A/D	97008		

Comment:

Manual Basin: NRU1490

Scenario: Alt3
 Node: NRU1490
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.3216 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.3072	1400	A/D	97008		
0.0145	8100	A/D	97008		

Comment:

Manual Basin: NRU1510

Scenario: Alt3
 Node: NRU1510
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.4857 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0613	1820	A/D	97482		
4.0198	1300	A/D	97482		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8969	1400	A/D	97482		
0.3482	1820	A	97482		
2.8706	1300	A	97482		
0.2596	1400	A	97482		
0.0293	1800	A	97482		

Comment:

Manual Basin: NRU1530

Scenario: Alt3
 Node: NRU1530
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.8215 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0073	1300	A/D	97482		
1.0664	1820	A/D	97482		
0.7478	1820	A	97482		

Comment:

Manual Basin: NRU1550

Scenario: Alt3
 Node: NRU1550
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.3558 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.0123	1300	A/D	97482		
0.0447	1820	A/D	97482		
0.3531	1820	A	97482		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9456	1300	A	97482		

Comment:

Manual Basin: NRU1570

Scenario: Alt3
Node: NRU1570
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.9266 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9266	1300	A/D	97482		

Comment:

Manual Basin: NRU1590

Scenario: Alt3
Node: NRU1590
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.1239 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8642	1300	A/D	97482		
0.2558	1820	A/D	97482		
0.0040	1820	A	97482		

Comment:

Manual Basin: NRU1610

Scenario: Alt3
 Node: NRU1610
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.6841 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.8309	1300	A/D	97482		
1.3310	1300	C/D	97482		
0.3939	1820	A/D	97482		
0.1283	1820	C/D	97482		

Comment:

Manual Basin: NRU1650

Scenario: Alt3
 Node: NRU1650
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.6442 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4600	1300	A/D	97482		
7.0760	1300	C/D	97482		
0.1082	1820	C/D	97482		

Comment:

Manual Basin: NRU1670

Scenario: Alt3
 Node: NRU1670
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 14.8381 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
14.4600	1300	C/D	97482		
0.2659	1700	C/D	97482		
0.0234	1300	A/D	97482		
0.0180	1700	D	97482		
0.0505	1300	D	97482		
0.0204	1820	C/D	97482		

Comment:

Manual Basin: NRU1690

Scenario: Alt3
 Node: NRU1690
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.0769 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2375	1700	D	97482		
0.6127	1700	C/D	97482		
2.5293	1300	C/D	97482		
0.6975	1300	D	97482		

Comment:

Manual Basin: NRU1730

Scenario: Alt3
 Node: NRU1730
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 5.5630 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9199	1300	C/D	97482		
2.2692	1820	C/D	97482		
0.3740	5300	C/D	97482		

Comment:

Manual Basin: NRU1770

Scenario: Alt3

Node: NRU1770

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 1.2748 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6910	1820	C/D	97482		
0.5838	1300	C/D	97482		

Comment:

Manual Basin: NRU1790

Scenario: Alt3

Node: NRU1790

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 2.8045 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.8045	1820	C/D	97482		

Comment:

Manual Basin: NRU1810

Scenario: Alt3
 Node: NRU1810
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.6712 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.3317	1820	C/D	97482		
0.3395	5300	C/D	97482		

Comment:

Manual Basin: NRU1830

Scenario: Alt3
 Node: NRU1830
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.2746 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.7041	1820	C/D	97482		
2.4386	1300	C/D	97482		
0.1319	1300	A/D	97482		

Comment:

Manual Basin: NRU1890

Scenario: Alt3
 Node: NRU1890
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.9910 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.5927	1300	C/D	97482		
0.3983	1300	A/D	97482		

Comment:

Manual Basin: NRU1910

Scenario: Alt3
 Node: NRU1910
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.2999 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.2336	1300	C/D	97482		
3.0663	1300	A/D	97482		

Comment:

Manual Basin: NRU1930

Scenario: Alt3
 Node: NRU1930
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.2841 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1560	1820	A/D	97482		
6.1047	1820	A	97482		
0.0212	1300	A	97482		
0.0022	1800	A	97482		

Comment:

Manual Basin: NRU1990

Scenario: Alt3
Node: NRU1990
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 56.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.6087 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8070	1820	A	97482		
2.0906	1820	A/D	97482		
0.7112	1820	C/D	97482		

Comment:

Manual Basin: NRU2010

Scenario: Alt3
Node: NRU2010
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.8104 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.7289	1820	C/D	97482		
0.0814	1300	C/D	97482		

Comment:

Manual Basin: NRU2030

Scenario: Alt3

Node: NRU2030
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 28.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.2671 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.2452	1820	C/D	97482		
0.0220	1820	A	97482		

Comment:

Manual Basin: NRU2070

Scenario: Alt3
 Node: NRU2070
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.3101 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.0733	1820	C/D	97482		
0.2368	5300	C/D	97482		

Comment:

Manual Basin: NRU2090

Scenario: Alt3
 Node: NRU2090
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 79.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.2298 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0527	1820	A/D	97482		
2.6158	1820	A	97482		
1.5612	1820	C/D	97482		

Comment:

Manual Basin: NRU2110

Scenario: Alt3
Node: NRU2110
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.6852 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.6393	1820	A	97482		
0.0459	1820	C/D	97482		

Comment:

Manual Basin: NRU2130

Scenario: Alt3
Node: NRU2130
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.5209 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5132	1820	C/D	97482		
0.0077	1820	A	97482		

Comment:

Manual Basin: NRU2150

Scenario: Alt3
 Node: NRU2150
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 29.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.6703 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.6701	1820	C/D	97482		
0.0002	5300	C/D	97482		

Comment:

Manual Basin: NRU2190

Scenario: Alt3
 Node: NRU2190
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.7804 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.1449	1820	C/D	97482		
0.6356	5300	C/D	97482		

Comment:

Manual Basin: NRU2230

Scenario: Alt3
 Node: NRU2230
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 6.5224 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.7651	1820	A	97482		
1.6944	5300	A	97482		
1.9385	1820	C/D	97482		
0.1244	5300	C/D	97482		

Comment:

Manual Basin: NRU2250

Scenario: Alt3

Node: NRU2250

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 2.4592 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.0391	1820	A	97482		
0.4200	5300	A	97482		

Comment:

Manual Basin: NRU2270

Scenario: Alt3

Node: NRU2270

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 27.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 5.8116 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.8116	1820	C/D	97482		

Comment:

Manual Basin: NRU2290

Scenario: Alt3
Node: NRU2290
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 29.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.5428 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.5677	1820	C/D	97482		
1.9751	1300	C/D	97482		

Comment:

Manual Basin: NRU2310

Scenario: Alt3
Node: NRU2310
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.4937 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2163	1820	C/D	97482		
1.2774	1300	C/D	97482		

Comment:

Manual Basin: NRU2330

Scenario: Alt3
Node: NRU2330
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 56.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 4.2881 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1778	1820	A	97482		
2.0877	1820	C/D	97482		
2.0225	1300	C/D	97482		

Comment:

Manual Basin: NRU2390

Scenario: Alt3

Node: NRU2390

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 2.8038 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9834	1820	C/D	97482		
1.0319	1820	A	97482		
0.5080	5300	A	97482		
0.2318	5300	C/D	97482		
0.0291	1820	A/D	97482		
0.0195	1300	C/D	97482		

Comment:

Manual Basin: NRU2410

Scenario: Alt3

Node: NRU2410

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 3.1353 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.1352	1820	A	97482		
0.0000	1820	C/D	97482		

Comment:

Manual Basin: NRU2430

Scenario: Alt3
Node: NRU2430
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 52.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 9.2471 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.8911	1820	A	97482		
0.0344	1820	A/D	97482		
0.0234	1820	C/D	97482		
0.7924	1300	C/D	97482		
0.8716	1300	A/D	97482		
1.6341	1300	A	97482		

Comment:

Manual Basin: NRU2450

Scenario: Alt3
Node: NRU2450
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.7414 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.7302	1820	A	97482		
0.0112	1800	A	97482		

Comment:

Manual Basin: NRU2490

Scenario: Alt3
 Node: NRU2490
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.2343 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.3667	1800	A	97482		
1.8676	1820	A	97482		

Comment:

Manual Basin: NRU2550

Scenario: Alt3
 Node: NRU2550
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.2667 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0288	1300	A	97482		
1.5707	1400	A	97482		
3.1500	1800	A	97482		
0.0106	1820	A	97482		
0.9046	1400	A/D	97482		
0.6021	1300	A/D	97482		

Comment:

Manual Basin: NRU2570

Scenario: Alt3
 Node: NRU2570
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 12.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 9.4682 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.5996	1800	A	97482		
1.0828	1400	A	97482		
0.3515	1820	A	97482		
1.8422	1300	A/D	97482		
0.1124	1400	A/D	97482		
3.4797	1300	A	97482		

Comment:

Manual Basin: NRU2590

Scenario: Alt3
 Node: NRU2590
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.8716 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0965	1300	A/D	97482		
0.7751	1300	A	97482		

Comment:

Manual Basin: NRU2610

Scenario: Alt3
 Node: NRU2610
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number

Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.4683 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.1549	1300	A	97482		
0.9905	1300	A/D	97482		
0.3229	1820	A	97482		

Comment:

Manual Basin: NRU2630

Scenario: Alt3
 Node: NRU2630
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.4474 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.1250	1300	A	97482		
0.3224	1820	A	97482		

Comment:

Manual Basin: NRU2650

Scenario: Alt3
 Node: NRU2650
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.4821 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.1392	1300	A	97482		
0.3429	1820	A	97482		

Comment:

Manual Basin: NRU2670

Scenario: Alt3
Node: NRU2670
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 6.8282 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2885	1300	A/D	97008		
6.4714	1300	A/D	97482		
0.0683	1300	C/D	97482		

Comment:

Manual Basin: NRU2690

Scenario: Alt3
Node: NRU2690
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 60.9803 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8658	1400	A/D	97008		
21.9587	1300	A/D	97008		
12.6064	1300	A/D	97482		
24.2615	1300	C/D	97482		
0.0000	1300	C/D	97008		
1.2879	1700	C/D	97482		

Comment:

Manual Basin: NSH20

Scenario: Alt3
 Node: NSH20
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.9879 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4945	1300	A/D	97483		
0.4896	1300	A	97483		
0.0038	1400	A	97483		

Comment:

Manual Basin: NSR0030

Scenario: Alt3
 Node: NSR0030
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.5719 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6929	1300	A	97480		
0.9228	5400	A	97480		
1.0943	5400	W	97480		
0.3865	1300	A/D	97480		
0.4693	5400	A/D	97480		
0.0063	1300	W	97480		

Comment:

Manual Basin: NSR0032

Scenario: Alt3
 Node: NSR0032
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.5073 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.7232	1300	A	97480		
1.7663	1300	A/D	97480		
0.0178	1300	W	97480		

Comment:

Manual Basin: NSR0034

Scenario: Alt3
 Node: NSR0034
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 13.8157 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
9.4621	1300	A/D	97480		
4.3536	1300	A	97480		

Comment:

Manual Basin: NSR0050

Scenario: Alt3
 Node: NSR0050
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.8984 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9647	1300	A/D	97480		
0.9337	5400	A/D	97480		

Comment:

Manual Basin: NSR0070

Scenario: Alt3
 Node: NSR0070
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.5624 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0568	1300	A/D	97481		
3.4691	1300	A/D	97480		
0.0364	5400	A/D	97480		

Comment:

Manual Basin: NSR0090

Scenario: Alt3
 Node: NSR0090
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.8858 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.8853	1300	A/D	97480		
0.0005	1300	A/D	97481		

Comment:

Manual Basin: NSR0100

Scenario: Alt3
Node: NSR0100
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.1125 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.3774	1300	A/D	97480		
0.7351	1300	A	97480		

Comment:

Manual Basin: NSR0102

Scenario: Alt3
Node: NSR0102
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.9685 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9193	1300	A/D	97480		
0.0492	1300	A	97480		

Comment:

Manual Basin: NSR0105

Scenario: Alt3
Node: NSR0105
Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.2784 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2314	1300	A/D	97480		
0.0470	1300	A	97480		

Comment:

Manual Basin: NSR0110

Scenario: Alt3
 Node: NSR0110
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.5080 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.5080	1300	A/D	97480		

Comment:

Manual Basin: NSR0112

Scenario: Alt3
 Node: NSR0112
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.3329 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3329	1300	A/D	97480		

Comment:

Manual Basin: NSR0115

Scenario: Alt3
Node: NSR0115
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.6321 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6321	1300	A/D	97480		

Comment:

Manual Basin: NSR0120

Scenario: Alt3
Node: NSR0120
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.4524 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.4524	1300	A/D	97480		

Comment:

Manual Basin: NSR0130

Scenario: Alt3
Node: NSR0130
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number

Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.0325 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.0325	1300	A/D	97480		

Comment:

Manual Basin: NSR0135

Scenario: Alt3
Node: NSR0135
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.0019 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.0019	1300	A/D	97480		

Comment:

Manual Basin: NSR0140

Scenario: Alt3
Node: NSR0140
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.9814 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9814	1300	A/D	97480		

Comment:

Manual Basin: NSR0150

Scenario: Alt3
 Node: NSR0150
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.4229 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0961	1300	A/D	97480		
0.1332	1300	A/D	97481		
0.1936	1800	A/D	97481		

Comment:

Manual Basin: NSR0160

Scenario: Alt3
 Node: NSR0160
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.1118 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.0816	1300	A/D	97480		
0.0302	1300	A/D	97481		

Comment:

Manual Basin: NSR0165

Scenario: Alt3
 Node: NSR0165
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.8662 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8264	1300	A/D	97480		
0.0397	1300	A/D	97481		

Comment:

Manual Basin: NSR0170

Scenario: Alt3
 Node: NSR0170
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.8156 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8156	1300	A/D	97480		

Comment:

Manual Basin: NSR0180

Scenario: Alt3
 Node: NSR0180
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.8255 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.7332	1300	A/D	97480		
0.0922	1300	A/D	97481		

Comment:

Manual Basin: NSR0190

Scenario: Alt3
 Node: NSR0190
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.8511 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3687	1300	A/D	97480		
0.4825	1300	A/D	97481		

Comment:

Manual Basin: NSR0210

Scenario: Alt3
 Node: NSR0210
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.1410 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6343	1300	A/D	97481		
0.0015	1800	A/D	97481		
0.5052	1300	A/D	97480		

Comment:

Manual Basin: NSR0230

Scenario: Alt3
 Node: NSR0230
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.5473 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.0950	1300	A/D	97481		
2.4523	1300	A/D	97480		

Comment:

Manual Basin: NSR0270

Scenario: Alt3
Node: NSR0270
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.8639 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0458	1800	A/D	97481		
0.8979	1300	A/D	97480		
3.9201	1300	A/D	97481		

Comment:

Manual Basin: NSR0280

Scenario: Alt3
Node: NSR0280
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.4029 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.4029	1300	A/D	97481		

Comment:

Manual Basin: NSR0281

Scenario: Alt3
Node: NSR0281
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.0897 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.0897	1300	A/D	97481		

Comment:

Manual Basin: NSR0290

Scenario: Alt3
Node: NSR0290
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 6.2170 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.2170	1300	A/D	97481		

Comment:

Manual Basin: NSR0310

Scenario: Alt3
Node: NSR0310
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 21.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 16.1088 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0360	1400	A/D	97481		
10.1506	1700	A/D	97481		
5.9222	1300	A/D	97481		

Comment:

Manual Basin: NSR0370

Scenario: Alt3
Node: NSR0370
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.9327 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.9217	1700	A/D	97481		
0.0110	1300	A/D	97481		

Comment:

Manual Basin: NSR0390

Scenario: Alt3
Node: NSR0390
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 23.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.0658 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2946	1300	A/D	97481		
2.7713	1700	A/D	97481		

Comment:

Manual Basin: NSR0430

Scenario: Alt3
Node: NSR0430
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.2328 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.7346	1700	A/D	97481		
0.4982	1300	A/D	97481		

Comment:

Manual Basin: NSR0450

Scenario: Alt3
Node: NSR0450
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 22.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.8329 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1758	1300	A/D	97481		
3.6571	1700	A/D	97481		

Comment:

Manual Basin: NSR0470

Scenario: Alt3
Node: NSR0470
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 2.7787 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.7787	1300	A/D	97481		

Comment:

Manual Basin: NSR0490

Scenario: Alt3

Node: NSR0490

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 14.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 4.8575 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.8575	1300	A/D	97481		

Comment:

Manual Basin: NSR0510

Scenario: Alt3

Node: NSR0510

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 14.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 2.2225 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.2225	1300	A/D	97481		

Comment:

Manual Basin: NSR0530

Scenario: Alt3
 Node: NSR0530
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.1079 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2199	1300	A/D	97480		
2.8880	1300	A/D	97481		

Comment:

Manual Basin: NSR0540

Scenario: Alt3
 Node: NSR0540
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.1820 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.1792	1300	A/D	97481		
0.0028	1300	A/D	97480		

Comment:

Manual Basin: NSR0550

Scenario: Alt3
 Node: NSR0550
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 1.4950 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.3008	1300	A/D	97481		
0.1942	1300	A/D	97480		

Comment:

Manual Basin: NSR0560

Scenario: Alt3

Node: NSR0560

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 14.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 7.8730 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.2038	1300	A/D	97481		
0.6692	1300	A/D	97480		

Comment:

Manual Basin: NSR0570

Scenario: Alt3

Node: NSR0570

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 14.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 4.5001 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.1522	1300	A/D	97481		
0.3479	1300	A/D	97480		

Comment:

Manual Basin: NSR0580

Scenario: Alt3
 Node: NSR0580
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.5362 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.9697	1300	A/D	97481		
1.5665	1300	A	97481		

Comment:

Manual Basin: NSR0590

Scenario: Alt3
 Node: NSR0590
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.6611 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.6611	1300	A/D	97481		

Comment:

Manual Basin: NSR0610

Scenario: Alt3
 Node: NSR0610
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 4.4880 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.4880	1300	A/D	97481		

Comment:

Manual Basin: NSR0650

Scenario: Alt3
 Node: NSR0650
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 8.2984 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.3918	1300	A/D	97481		
0.9066	1300	A	97481		

Comment:

Manual Basin: NSR0660

Scenario: Alt3
 Node: NSR0660
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 2.2774 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9902	1300	A/D	97481		
0.2871	1300	A	97481		

Comment:

Manual Basin: NSR0680

Scenario: Alt3
 Node: NSR0680
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.3646 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.7806	1300	A/D	97481		
1.5840	1300	A/D	97480		

Comment:

Manual Basin: NSR0730

Scenario: Alt3
 Node: NSR0730
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 11.2491 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
11.2491	1300	A/D	97481		

Comment:

Manual Basin: NSR0770

Scenario: Alt3
 Node: NSR0770
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 2.0172 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.0172	1300	A/D	97481		

Comment:

Manual Basin: NSR0780

Scenario: Alt3
 Node: NSR0780
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 3.2311 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.2311	1300	A/D	97481		

Comment:

Manual Basin: NSR0790

Scenario: Alt3
 Node: NSR0790
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 25.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 17.9154 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
10.6602	1300	A/D	97481		
7.2552	1700	A/D	97481		

Comment:

Manual Basin: NSR0810

Scenario: Alt3
 Node: NSR0810
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 21.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.7174 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.9131	1700	A/D	97481		
3.8044	1300	A/D	97481		

Comment:

Manual Basin: NSR0830

Scenario: Alt3
 Node: NSR0830
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 19.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 23.6571 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2753	1400	A/D	97481		
19.9901	1300	A/D	97481		
3.3917	1700	A/D	97481		

Comment:

Manual Basin: NSR0840

Scenario: Alt3
 Node: NSR0840
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.8766 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.6235	1400	A/D	97481		
0.2531	1300	A/D	97481		

Comment:

Manual Basin: NSR0850

Scenario: Alt3
 Node: NSR0850
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.3592 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.7670	1400	A/D	97481		
5.5922	1300	A/D	97481		

Comment:

Manual Basin: NSR0860

Scenario: Alt3
 Node: NSR0860
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.6225 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.6225	1300	A/D	97481		

Comment:

Manual Basin: NSR0870

Scenario: Alt3
Node: NSR0870
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.5092 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5092	1400	A/D	97481		

Comment:

Manual Basin: NSR0880

Scenario: Alt3
Node: NSR0880
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.5097 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5461	1400	A/D	97481		
2.2860	1400	D	97481		
1.5455	1300	A/D	97481		
0.1321	1300	D	97481		

Comment:

Manual Basin: NSR0881

Scenario: Alt3
Node: NSR0881
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.2181 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.9194	1400	D	97481		
0.1466	1300	D	97481		
0.0044	1300	A/D	97481		
0.1335	1700	D	97481		
0.0141	1700	A/D	97481		

Comment:

Manual Basin: NSR0890

Scenario: Alt3
 Node: NSR0890
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.0131 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.7212	1300	A/D	97481		
3.9859	1800	A/D	97481		
0.3060	5300	A/D	97481		

Comment:

Manual Basin: NSR0910

Scenario: Alt3
 Node: NSR0910
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.2129 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.3757	1300	A/D	97481		
0.8372	1800	A/D	97481		

Comment:

Manual Basin: NSR0930

Scenario: Alt3
Node: NSR0930
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 8.9711 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.5193	1300	A/D	97481		
0.4518	5300	A/D	97481		

Comment:

Manual Basin: NSR0950

Scenario: Alt3
Node: NSR0950
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 14.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 14.0039 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
13.7571	1300	A/D	97481		
0.2467	1400	A/D	97481		

Comment:

Manual Basin: NSR1010

Scenario: Alt3
Node: NSR1010
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.0137 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1854	1400	A/D	97481		
0.8282	1300	A/D	97481		

Comment:

Manual Basin: NSR1030

Scenario: Alt3
Node: NSR1030
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.1569 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0381	1400	A/D	97481		
0.1188	1300	A/D	97481		

Comment:

Manual Basin: NSR1050

Scenario: Alt3
Node: NSR1050
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 0.8440 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.5187	1300	A/D	97481		
0.3253	1400	A/D	97481		

Comment:

Manual Basin: NSR1070

Scenario: Alt3

Node: NSR1070

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 14.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 20.9918 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.4824	1300	A/D	97481		
13.4034	1400	A/D	97481		
0.1060	1700	A/D	97481		

Comment:

Manual Basin: NSR1090

Scenario: Alt3

Node: NSR1090

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH256

Peaking Factor: 256.0

Area: 0.2749 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2749	1300	A/D	97481		

Comment:

Manual Basin: NSR1110

Scenario: Alt3
Node: NSR1110
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.6851 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.6851	1300	A/D	97481		

Comment:

Manual Basin: NSR1130

Scenario: Alt3
Node: NSR1130
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 16.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 6.5665 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2059	1300	A/D	97481		
6.3605	1400	A/D	97481		

Comment:

Manual Basin: NSR1150

Scenario: Alt3
Node: NSR1150
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 1.6292 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2676	1300	A/D	97481		
1.3616	1400	A/D	97481		

Comment:

Manual Basin: NSR1190

Scenario: Alt3
 Node: NSR1190
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 0.3456 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3456	1300	A/D	97481		

Comment:

Manual Basin: NSR1210

Scenario: Alt3
 Node: NSR1210
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 5.8115 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.9527	1300	A/D	97481		
0.8587	1400	A/D	97481		

Comment:

Manual Basin: NSR1290

Scenario: Alt3
Node: NSR1290
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.9738 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9738	1300	A/D	97481		

Comment:

Manual Basin: NSR1310

Scenario: Alt3
Node: NSR1310
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 7.2211 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.9137	1300	A/D	97481		
1.3074	1400	A/D	97481		

Comment:

Manual Basin: NSR1330

Scenario: Alt3
Node: NSR1330
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 0.3336 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3336	1300	A/D	97481		

Comment:

Manual Basin: NSR1350

Scenario: Alt3
 Node: NSR1350
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 31.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 13.8927 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
12.4993	1300	A/D	97481		
1.2382	8300	A/D	97481		
0.1551	1400	A/D	97481		

Comment:

Manual Basin: NSR1390

Scenario: Alt3
 Node: NSR1390
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 0.9619 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9619	1300	A/D	97481		

Comment:

Manual Basin: NSR1410

Scenario: Alt3
Node: NSR1410
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.6248 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.6248	1300	A/D	97481		

Comment:

Manual Basin: NSR1430

Scenario: Alt3
Node: NSR1430
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.7061 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.7061	1300	A/D	97481		

Comment:

Manual Basin: NSR1450

Scenario: Alt3
Node: NSR1450
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 9.3736 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.9527	1300	A/D	97481		
0.4209	5300	A/D	97481		

Comment:

Manual Basin: NSR1470

Scenario: Alt3
Node: NSR1470
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 4.6192 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.6192	1300	A/D	97481		

Comment:

Manual Basin: NSR1490

Scenario: Alt3
Node: NSR1490
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 16.7549 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
15.9075	1300	A/D	97481		
0.4399	1400	A/D	97481		
0.4075	5300	A/D	97481		

Comment:

Manual Basin: NSR1510

Scenario: Alt3
Node: NSR1510
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 36.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 14.9575 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.1721	1400	A/D	97481		
11.7853	1300	A/D	97481		

Comment:

Manual Basin: NSR1530

Scenario: Alt3
Node: NSR1530
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.4394 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4394	1300	A/D	97481		

Comment:

Manual Basin: NSR1550

Scenario: Alt3
Node: NSR1550
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 0.3905 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3905	1300	A/D	97481		

Comment:

Manual Basin: NSR1570

Scenario: Alt3
Node: NSR1570
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 1.0108 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.0108	1300	A/D	97481		

Comment:

Manual Basin: NSR1590

Scenario: Alt3
Node: NSR1590
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0

Area: 3.4326 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.4326	1300	A/D	97481		

Comment:

Manual Basin: NSR1610

Scenario: Alt3
Node: NSR1610
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 5.3518 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.3518	1300	A/D	97481		

Comment:

Manual Basin: NSR1630

Scenario: Alt3
Node: NSR1630
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.3270 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3270	1300	A/D	97481		

Comment:

Manual Basin: NSR1650

Scenario: Alt3
Node: NSR1650
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.8103 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient	Reference ET

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.8103	1300	A/D	97481		

Comment:

Manual Basin: NSR1670

Scenario: Alt3
 Node: NSR1670
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 16.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.1548 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.0780	1300	A/D	97481		
0.0768	1400	A/D	97481		

Comment:

Manual Basin: NSR1690

Scenario: Alt3
 Node: NSR1690
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.3796 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1027	1300	C/D	97481		
0.2513	1300	A/D	97481		
0.0256	1400	C/D	97481		

Comment:

Manual Basin: NSR1710

Scenario: Alt3
 Node: NSR1710
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.0525 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0071	1400	C/D	97481		
0.0692	1300	C/D	97481		
1.4379	1300	A/D	97481		
0.3118	1300	D	97481		
0.1863	1400	D	97481		
0.0402	1400	A/D	97481		

Comment:

Manual Basin: NSR1730

Scenario: Alt3
 Node: NSR1730
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.3641 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0009	1300	A/D	97481		
0.1966	1300	C/D	97481		
0.1978	1400	C/D	97481		
0.0027	1700	C/D	97481		
0.9548	1400	D	97481		
0.0113	1700	D	97481		

Comment:

Manual Basin: NSR1750

Scenario: Alt3
 Node: NSR1750
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.8526 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4751	1300	A/D	97481		
0.3775	1300	C/D	97481		

Comment:

Manual Basin: NSR1770

Scenario: Alt3
 Node: NSR1770
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.5465 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8766	1400	D	97481		
0.0138	1700	D	97481		
0.5923	1400	A/D	97481		
0.0638	1300	A/D	97481		

Comment:

Manual Basin: NSR1790

Scenario: Alt3
 Node: NSR1790
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.5648 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.2606	1400	D	97481		
0.0687	1300	A/D	97481		
0.0356	1400	A/D	97481		
0.1988	1700	D	97481		
0.0010	1300	D	97481		

Comment:

Manual Basin: NSR1810

Scenario: Alt3
 Node: NSR1810
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 1.8907 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.8885	1400	D	97481		
0.0013	1300	A/D	97481		
0.0009	1300	D	97481		

Comment:

Manual Basin: NSR1830

Scenario: Alt3
 Node: NSR1830
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 15.9339 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
13.5378	1300	A/D	97481		
0.0273	1300	D	97481		
2.3032	1400	D	97481		
0.0656	1400	A/D	97481		

Comment:

Manual Basin: NSR1870

Scenario: Alt3
 Node: NSR1870
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.9982 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
4.2522	1400	D	97481		
0.6794	1400	A/D	97481		
0.6143	1300	A/D	97481		
0.4524	1300	D	97481		

Comment:

Manual Basin: NSR1910

Scenario: Alt3
 Node: NSR1910
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 8.9788 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.9788	1400	D	97481		

Comment:

Manual Basin: NSR1930

Scenario: Alt3
Node: NSR1930
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.5888 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0094	1300	C/D	97481		
0.0367	1700	C/D	97481		
0.5427	1700	D	97481		

Comment:

Manual Basin: NSR1950

Scenario: Alt3
Node: NSR1950
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.1055 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.5488	1300	C/D	97482		
0.5535	1300	C/D	97481		
0.0032	1300	A/D	97481		

Comment:

Manual Basin: NSR1970

Scenario: Alt3
Node: NSR1970
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 5.8151 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.0339	1300	A/D	97007		
1.3116	1300	C/D	97008		
0.2783	1300	A/D	97008		
0.0857	1300	C/D	97007		
0.9084	1300	C/D	97482		
0.5265	1300	A/D	97481		
0.6707	1300	C/D	97481		

Comment:

Manual Basin: NSR2010

Scenario: Alt3
 Node: NSR2010
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 4.1242 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.4786	1300	A/D	97007		
0.4291	1300	C/D	97008		
1.2164	1300	A/D	97008		

Comment:

Manual Basin: NSR2050

Scenario: Alt3
 Node: NSR2050
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0

Area: 3.1130 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4256	1300	A/D	97008		
0.0467	1700	A/D	97008		
0.6281	1700	A/D	97007		
0.9970	1300	A/D	97007		
0.0156	1300	C/D	97008		

Comment:

Manual Basin: NSR2110

Scenario: Alt3
 Node: NSR2110
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.2954 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.5671	1300	A/D	97008		
1.7282	1300	A/D	97007		

Comment:

Manual Basin: NSR2130

Scenario: Alt3
 Node: NSR2130
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.5797 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.4532	1300	A/D	97008		
2.1265	1300	A/D	97007		

Comment:

Manual Basin: NSR2150

Scenario: Alt3
 Node: NSR2150
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 7.4760 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
3.5407	1700	D	97482		
3.8968	1700	D	97481		
0.0385	1400	D	97481		

Comment:

Manual Basin: NSR2210

Scenario: Alt3
 Node: NSR2210
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 41.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 23.7519 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.7724	1700	D	97482		
0.2053	1700	D	97481		
0.0989	1400	D	97481		
0.2558	1300	D	97481		
0.3983	1300	D	97482		
5.6095	1300	C/D	97482		
0.0747	1300	C/D	97481		
0.0460	1400	C/D	97482		
0.0583	1400	A/D	97482		
9.2328	1300	A/D	97482		

Comment:

Manual Basin: NSR2250

Scenario: Alt3
Node: NSR2250
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.5771 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4888	1400	D	97481		
0.0883	1300	D	97481		

Comment:

Manual Basin: NSR2270

Scenario: Alt3
Node: NSR2270
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.3565 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1963	1300	D	97481		
0.2114	1300	C/D	97481		
0.9673	1400	D	97481		
0.9815	1300	C/D	97482		

Comment:

Manual Basin: NSR2310

Scenario: Alt3

Node: NSR2310
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.3456 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0775	1300	C/D	97482		
1.8020	1400	D	97481		
0.0047	1300	D	97481		
0.0074	1300	C/D	97481		
0.2539	1400	C/D	97482		
0.0681	1400	C/D	97481		
0.0002	1400	D	97482		
0.1259	1400	A/D	97482		
0.0058	1400	A/D	97481		

Comment:

Manual Basin: NSR2330

Scenario: Alt3
 Node: NSR2330
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.2963 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4422	1400	A/D	97482		
1.7708	1400	D	97481		
0.0832	1400	A/D	97481		

Comment:

Manual Basin: NSR2350

Scenario: Alt3
 Node: NSR2350

Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 6.0645 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.0653	1400	A/D	97482		
3.9834	1400	D	97481		
0.3815	1400	A/D	97481		
0.5911	1300	A/D	97482		
0.0432	1300	A/D	97481		

Comment:

Manual Basin: NSR2390

Scenario: Alt3
 Node: NSR2390
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 3.3885 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.3283	1700	C/D	97481		
0.0191	1700	C/D	97482		
2.8309	1700	D	97481		
0.2102	1700	D	97482		

Comment:

Manual Basin: NSR2410

Scenario: Alt3
 Node: NSR2410
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs

Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.4641 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.1575	1300	C/D	97482		
0.1874	1300	C/D	97481		
0.0671	1700	C/D	97482		
0.0521	1700	C/D	97481		

Comment:

Manual Basin: NSR2430

Scenario: Alt3
 Node: NSR2430
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 0.7438 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.4719	1300	C/D	97481		
0.2718	1300	C/D	97482		

Comment:

Manual Basin: NSR2450

Scenario: Alt3
 Node: NSR2450
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.0719 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.2742	1300	C/D	97482		

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.1036	1700	C/D	97482		
8.6941	1700	D	97482		

Comment:

Manual Basin: NSR3000

Scenario: Alt3
Node: NSR3000
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 2.0775 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
2.0635	1400	D	97481		
0.0139	1400	A/D	97481		

Comment:

Manual Basin: NSR3020

Scenario: Alt3
Node: NSR3020
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 99999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 10.1505 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
7.6535	1400	D	97481		
0.3180	1300	D	97481		
0.6453	1300	A/D	97481		
1.5337	1400	A/D	97481		

Comment:

Manual Basin: NSR3040

Scenario: Alt3
 Node: NSR3040
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 14.6324 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.4191	1300	A/D	97481		
3.9750	1400	A/D	97481		
2.2383	1400	D	97481		

Comment:

Manual Basin: NSR3060

Scenario: Alt3
 Node: NSR3060
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 14.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 2.8878 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.6183	1300	A/D	97481		
1.2695	1400	A/D	97481		

Comment:

Manual Basin: NSW0050

Scenario: Alt3
 Node: NSW0050
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 99999.00 cfs
 Time Shift: 0.0000 hr

Unit Hydrograph: UH256
 Peaking Factor: 256.0
 Area: 10.4530 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
5.6653	1300	A	97481		
1.3752	1800	A	97481		
1.3637	1300	A/D	97481		
2.0489	1300	A/D	97480		

Comment:

Pipe Link: B60in	Upstream	Downstream
Scenario: Alt3	Invert: 3.80 ft	Invert: 3.80 ft
From Node: NSHSelmonUS	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSHSelmonDS	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 332.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BBW2090	Upstream	Downstream
Scenario: Alt3	Invert: 11.00 ft	Invert: 9.00 ft
From Node: NBW2090	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW2110	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 677.62 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BBW2110	Upstream	Downstream
Scenario: Alt3	Invert: 9.00 ft	Invert: 8.00 ft
From Node: NBW2110	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW2130	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 321.22 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Proposed Pipe		

Pipe Link: BBW2130	Upstream	Downstream
Scenario: Alt3	Invert: 8.00 ft	Invert: 6.60 ft
From Node: NBW2130	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0830	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 327.14 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Proposed Pipe		

Pipe Link: BCL3450	Upstream	Downstream
Scenario: Alt3	Invert: 9.80 ft	Invert: 9.60 ft
From Node: NCL3450	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3740	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Max Width: 8.00 ft	Max Width: 8.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 369.15 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.50	Op Table:	Op Table:
Exit Loss Coef: 0.50	Ref Node:	Ref Node:

Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft

Op Table:		Op Table:	
Ref Node:		Ref Node:	

Manning's N:	0.0000	Manning's N:	0.0000

Comment: Proposed Pipe

Pipe Link: BCL3450A

Upstream

Downstream

Scenario: Alt3
 From Node: NCL3250
 To Node: NCL3450
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 679.82 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 10.00 ft

Invert: 9.80 ft

Manning's N: 0.0120

Manning's N: 0.0120

Geometry: Rectangular

Geometry: Rectangular

Max Depth: 4.00 ft

Max Depth: 4.00 ft

Max Width: 8.00 ft

Max Width: 8.00 ft

Fillet: 0.00 ft

Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BCL3470

Upstream

Downstream

Scenario: Alt3
 From Node: NCL3470
 To Node: NCL3471
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 340.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 10.00 ft

Invert: 9.80 ft

Manning's N: 0.0120

Manning's N: 0.0120

Geometry: Rectangular

Geometry: Rectangular

Max Depth: 4.00 ft

Max Depth: 4.00 ft

Max Width: 8.00 ft

Max Width: 8.00 ft

Fillet: 0.00 ft

Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BCL3471	Upstream	Downstream
Scenario: Alt3	Invert: 9.80 ft	Invert: 9.50 ft
From Node: NCL3471	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3740	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Max Width: 8.00 ft	Max Width: 8.00 ft
Damping: 0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 455.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.50	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BCL3490	Upstream	Downstream
Scenario: Alt3	Invert: 11.00 ft	Invert: 10.00 ft
From Node: NCL3490	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3470	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 459.06 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed pipe

Pipe Link: BCL3740	Upstream	Downstream
Scenario: Alt3	Invert: 9.20 ft	Invert: 9.10 ft
From Node: NCL3740	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3730	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 12.00 ft	Max Width: 12.00 ft
Damping: 0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 160.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft

Entr Loss Coef: 0.50	Op Table:	Op Table:
Exit Loss Coef: 1.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft

Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BRU0495

Scenario: Alt3
 From Node: NRU0495
 To Node: NSHSelmonUS
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 53.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream	Downstream
Invert: 3.80 ft	Invert: 3.80 ft
Manning's N: 0.0120	Manning's N: 0.0120
Geometry: Rectangular	Geometry: Rectangular
Max Depth: 10.00 ft	Max Depth: 10.00 ft
Max Width: 10.00 ft	Max Width: 10.00 ft
Fillet: 0.00 ft	Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BRU0500

Scenario: Alt3
 From Node: NRU0500
 To Node: NRU0495
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 350.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream	Downstream
Invert: 3.82 ft	Invert: 3.80 ft
Manning's N: 0.0120	Manning's N: 0.0120
Geometry: Rectangular	Geometry: Rectangular
Max Depth: 10.00 ft	Max Depth: 10.00 ft
Max Width: 10.00 ft	Max Width: 10.00 ft
Fillet: 0.00 ft	Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:

Manning's N: 0.0000	Manning's N: 0.0000
Comment: Proposed Pipe	

Pipe Link: BRU0510	Upstream	Downstream
Scenario: Alt3	Invert: 13.00 ft	Invert: 10.70 ft
From Node: NRU0510	Manning's N: 0.0120	Manning's N: 0.0120
To Node: THEA_Watrous	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 176.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BRU0618	Upstream	Downstream
Scenario: Alt3	Invert: 15.20 ft	Invert: 14.50 ft
From Node: NRU0618	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1220	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 301.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BRU0730	Upstream	Downstream
Scenario: Alt3	Invert: 13.53 ft	Invert: 11.68 ft
From Node: NRU0730	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0710	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft

Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 176.95 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Proposed Pipe		

Pipe Link: BRU0750	Upstream	Downstream
Scenario: Alt3	Invert: 7.90 ft	Invert: 7.80 ft
From Node: NRU0747	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0750	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 89.73 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Proposed Pipe		

Pipe Link: BRU0760	Upstream	Downstream
Scenario: Alt3	Invert: 10.60 ft	Invert: 10.40 ft
From Node: NRU0770	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0750	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 120.65 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Proposed Pipe		

Pipe Link: BRU0760B		Upstream	Downstream
Scenario:	Alt3	Invert: 7.80 ft	Invert: 7.50 ft
From Node:	NRU0750	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU1090	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 6.00 ft	Max Depth: 6.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	157.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Proposed Pipe			

Pipe Link: BRU0790		Upstream	Downstream
Scenario:	Alt3	Invert: 3.96 ft	Invert: 3.93 ft
From Node:	NRU0790	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU1230	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 10.00 ft	Max Depth: 10.00 ft
Flow Direction:	Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping:	0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	623.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.00	Op Table:	Op Table:
Exit Loss Coef:	0.50	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip	
Energy Switch:	Energy	Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Proposed Pipe			

Pipe Link: BRU0830		Upstream	Downstream
Scenario:	Alt3	Invert: 3.98 ft	Invert: 3.96 ft
From Node:	NRU0830	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU0790	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 10.00 ft	Max Depth: 10.00 ft
Flow Direction:	Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping:	0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	424.56 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft

Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft

Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: Proposed Pipe

Pipe Link: BRU0840

Scenario: Alt3
 From Node: NRU0840
 To Node: NRU0830
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 100.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream	Downstream
Invert: 4.00 ft	Invert: 3.98 ft
Manning's N: 0.0120	Manning's N: 0.0120
Geometry: Rectangular	Geometry: Rectangular
Max Depth: 10.00 ft	Max Depth: 10.00 ft
Max Width: 10.00 ft	Max Width: 10.00 ft
Fillet: 0.00 ft	Fillet: 0.00 ft

Bottom Clip

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: Proposed Pipe

Pipe Link: BRU0850

Scenario: Alt3
 From Node: NRU0850
 To Node: NRU0840
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 235.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream	Downstream
Invert: 6.00 ft	Invert: 4.00 ft
Manning's N: 0.0120	Manning's N: 0.0120
Geometry: Rectangular	Geometry: Rectangular
Max Depth: 5.00 ft	Max Depth: 5.00 ft
Max Width: 7.00 ft	Max Width: 7.00 ft
Fillet: 0.00 ft	Fillet: 0.00 ft

Bottom Clip

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BRU0950

Scenario: Alt3
 From Node: NRU0950
 To Node: NRU0850
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 135.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 7.00 ft
 Manning's N: 0.0120
 Geometry: Rectangular
 Max Depth: 5.00 ft
 Max Width: 7.00 ft
 Fillet: 0.00 ft

Downstream

Invert: 6.00 ft
 Manning's N: 0.0120
 Geometry: Rectangular
 Max Depth: 5.00 ft
 Max Width: 7.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BRU0955

Scenario: Alt3
 From Node: NRU0955
 To Node: NRU0950
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 29.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 7.20 ft
 Manning's N: 0.0120
 Geometry: Rectangular
 Max Depth: 5.00 ft
 Max Width: 7.00 ft
 Fillet: 0.00 ft

Downstream

Invert: 7.00 ft
 Manning's N: 0.0120
 Geometry: Rectangular
 Max Depth: 5.00 ft
 Max Width: 7.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BRU0960

Upstream

Downstream

Scenario: Alt3
 From Node: NRU0960
 To Node: NRU0955
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 409.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert:	8.20 ft	Invert:	7.20 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Rectangular		Geometry: Rectangular	
Max Depth:	5.00 ft	Max Depth:	5.00 ft
Max Width:	7.00 ft	Max Width:	7.00 ft
Fillet:	0.00 ft	Fillet:	0.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: Proposed Pipe

Pipe Link: BRU0965

Scenario: Alt3
 From Node: NRU0965
 To Node: NRU0960
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 61.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream		Downstream	
Invert:	8.50 ft	Invert:	8.20 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Rectangular		Geometry: Rectangular	
Max Depth:	5.00 ft	Max Depth:	5.00 ft
Max Width:	7.00 ft	Max Width:	7.00 ft
Fillet:	0.00 ft	Fillet:	0.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: Proposed Pipe

Pipe Link: BRU1030

Scenario: Alt3
 From Node: NRU1030
 To Node: NRU0965
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 682.07 ft

Upstream		Downstream	
Invert:	10.00 ft	Invert:	8.50 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	4.00 ft	Max Depth:	4.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	

FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Proposed Pipe		

Pipe Link: BRU1040	Upstream	Downstream
Scenario: Alt3	Invert: 8.10 ft	Invert: 8.00 ft
From Node: NRU1040	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1036	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 55.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Proposed Pipe		

Pipe Link: BRU1050	Upstream	Downstream
Scenario: Alt3	Invert: 11.50 ft	Invert: 10.00 ft
From Node: NRU1050	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1030	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 293.72 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Proposed Pipe		

Pipe Link: BRU1110	Upstream	Downstream
Scenario: Alt3	Invert: 7.50 ft	Invert: 7.30 ft
From Node: NRU1090	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1110	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 6.00 ft	Max Depth: 6.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 143.16 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Proposed Pipe		

Pipe Link: BRU1110B	Upstream	Downstream
Scenario: Alt3	Invert: 7.30 ft	Invert: 5.00 ft
From Node: NRU1110	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1230	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 6.00 ft	Max Depth: 6.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 252.55 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Proposed Pipe		

Pipe Link: BRU1130	Upstream	Downstream
Scenario: Alt3	Invert: 10.50 ft	Invert: 8.00 ft
From Node: NRU1130	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1110	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 164.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BRU1150	Upstream	Downstream
Scenario: Alt3	Invert: 11.00 ft	Invert: 10.50 ft
From Node: NRU1150	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1130	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 111.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BRU1220	Upstream	Downstream
Scenario: Alt3	Invert: 11.80 ft	Invert: 10.80 ft
From Node: NRU1220	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0500	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 650.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BRU1230	Upstream	Downstream
Scenario: Alt3	Invert: 3.93 ft	Invert: 3.93 ft

From Node: NRU1230
 To Node: NRU1232
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 49.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Manning's N: 0.0120	Manning's N: 0.0120
Geometry: Rectangular	Geometry: Rectangular
Max Depth: 10.00 ft	Max Depth: 10.00 ft
Max Width: 10.00 ft	Max Width: 10.00 ft
Fillet: 0.00 ft	Fillet: 0.00 ft
Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BRU1232

Scenario: Alt3
 From Node: NRU1232
 To Node: NSH55
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 300.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 3.93 ft	Invert: 3.91 ft
Manning's N: 0.0120	Manning's N: 0.0120
Geometry: Rectangular	Geometry: Rectangular
Max Depth: 10.00 ft	Max Depth: 10.00 ft
Max Width: 10.00 ft	Max Width: 10.00 ft
Fillet: 0.00 ft	Fillet: 0.00 ft
Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BSH05

Scenario: Alt3
 From Node: NSH05
 To Node: NSH12
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 330.00 ft
 FHWA Code: 0

Invert: 3.00 ft	Invert: 1.98 ft
Manning's N: 0.0120	Manning's N: 0.0120
Geometry: Rectangular	Geometry: Rectangular
Max Depth: 10.00 ft	Max Depth: 10.00 ft
Max Width: 10.00 ft	Max Width: 10.00 ft
Fillet: 0.00 ft	Fillet: 0.00 ft
Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft

Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft

Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BSH12

Upstream

Downstream

Scenario: Alt3	Invert: 1.98 ft	Invert: 0.77 ft
From Node: NSH12	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH13	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 10.00 ft	Max Depth: 10.00 ft
Flow Direction: Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 393.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft

Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BSH13

Upstream

Downstream

Scenario: Alt3	Invert: 0.77 ft	Invert: 0.46 ft
From Node: NSH13	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH37	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 10.00 ft	Max Depth: 10.00 ft
Flow Direction: Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 100.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft

Op Table:	Op Table:
Ref Node:	Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BSH14	Upstream	Downstream
Scenario: Alt3	Invert: 0.15 ft	Invert: -0.45 ft
From Node: NSH14	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH17	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 10.00 ft	Max Depth: 10.00 ft
Flow Direction: Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 195.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BSH16	Upstream	Downstream
Scenario: Alt3	Invert: 5.50 ft	Invert: 5.00 ft
From Node: NSH16	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH18	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 30.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BSH17	Upstream	Downstream
Scenario: Alt3	Invert: -0.45 ft	Invert: -0.91 ft
From Node: NSH17	Manning's N: 0.0120	Manning's N: 0.0120

To Node:	NSH18	Geometry:	Rectangular	Geometry:	Rectangular
Link Count:	1	Max Depth:	10.00 ft	Max Depth:	10.00 ft
Flow Direction:	Both	Max Width:	10.00 ft	Max Width:	10.00 ft
Damping:	0.0000	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	150.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Proposed Pipe					

Pipe Link:	BSH18	Upstream		Downstream	
Scenario:	Alt3	Invert:	-0.91 ft	Invert:	-2.00 ft
From Node:	NSH18	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NSH19	Geometry:	Rectangular	Geometry:	Rectangular
Link Count:	1	Max Depth:	10.00 ft	Max Depth:	10.00 ft
Flow Direction:	Both	Max Width:	10.00 ft	Max Width:	10.00 ft
Damping:	0.0000	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	355.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Proposed Pipe					

Pipe Link:	BSH19	Upstream		Downstream	
Scenario:	Alt3	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NSH19	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NSH75	Geometry:	Rectangular	Geometry:	Rectangular
Link Count:	2	Max Depth:	7.00 ft	Max Depth:	7.00 ft
Flow Direction:	Both	Max Width:	7.00 ft	Max Width:	7.00 ft
Damping:	0.0000	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	455.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	

Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BSH22	Upstream	Downstream
Scenario: Alt3	Invert: 8.50 ft	Invert: 8.30 ft
From Node: NSH22	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH26A	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 135.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BSH24	Upstream	Downstream
Scenario: Alt3	Invert: 9.00 ft	Invert: 8.00 ft
From Node: NSH24	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH22	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 23.30 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed pipe

Pipe Link: BSH26		Upstream	Downstream
Scenario:	Alt3	Invert: 8.50 ft	Invert: 8.30 ft
From Node:	NSH26	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NSH26A	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	187.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Proposed Pipe			

Pipe Link: BSH26A		Upstream	Downstream
Scenario:	Alt3	Invert: 7.80 ft	Invert: 7.50 ft
From Node:	NSH26A	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NSH16	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	428.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Proposed Pipe			

Pipe Link: BSH37		Upstream	Downstream
Scenario:	Alt3	Invert: 0.46 ft	Invert: 0.15 ft
From Node:	NSH37	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NSH14	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 10.00 ft	Max Depth: 10.00 ft
Flow Direction:	Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping:	0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	100.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.00	Op Table:	Op Table:
Exit Loss Coef:	0.00	Ref Node:	Ref Node:

Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BSH41	Upstream	Downstream
Scenario: Alt3	Invert: 13.50 ft	Invert: 13.00 ft
From Node: NSH41	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH12	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 40.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BSH41B	Upstream	Downstream
Scenario: Alt3	Invert: 13.50 ft	Invert: 13.00 ft
From Node: JUNCT1	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH12	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 60.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BSH42	Upstream	Downstream
Scenario: Alt3	Invert: -2.00 ft	Invert: -2.00 ft
From Node: NSH76	Manning's N: 0.0120	Manning's N: 0.0120
To Node: SH_OUTFALL	Geometry: Rectangular	Geometry: Rectangular
Link Count: 3	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 75.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.50	Op Table:	Op Table:
Exit Loss Coef: 1.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Existing outfall box culverts

Pipe Link: BSH43	Upstream	Downstream
Scenario: Alt3	Invert: -2.00 ft	Invert: -2.00 ft
From Node: NSH75	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH76	Geometry: Rectangular	Geometry: Rectangular
Link Count: 2	Max Depth: 7.00 ft	Max Depth: 7.00 ft
Flow Direction: Both	Max Width: 7.00 ft	Max Width: 7.00 ft
Damping: 0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 35.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 1.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BSH49	Upstream	Downstream
Scenario: Alt3	Invert: 15.10 ft	Invert: 15.00 ft
From Node: NSH49	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH85	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft

Length:	25.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Proposed Pipe					

Pipe Link: BSH50	Upstream	Downstream
Scenario: Alt3	Invert: 3.88 ft	Invert: 3.85 ft
From Node: NSH50	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH80	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 10.00 ft	Max Depth: 10.00 ft
Flow Direction: Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 539.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Proposed Pipe		

Pipe Link: BSH52	Upstream	Downstream
Scenario: Alt3	Invert: 3.89 ft	Invert: 3.88 ft
From Node: NSH52	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH50	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 10.00 ft	Max Depth: 10.00 ft
Flow Direction: Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 289.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:

Manning's N: 0.0000	Manning's N: 0.0000
Comment: Proposed Pipe	

Pipe Link: BSH53	Upstream	Downstream
Scenario: Alt3	Invert: 12.30 ft	Invert: 12.15 ft
From Node: NSH53	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH54	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 55.70 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BSH53B	Upstream	Downstream
Scenario: Alt3	Invert: 6.60 ft	Invert: 6.40 ft
From Node: NSH53B	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH52	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 8.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BSH55	Upstream	Downstream
Scenario: Alt3	Invert: 3.91 ft	Invert: 3.89 ft
From Node: NSH55	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH52	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 10.00 ft	Max Depth: 10.00 ft

Flow Direction:	Both	Max Width:	10.00 ft	Max Width:	10.00 ft
Damping:	0.0000	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	337.50 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Proposed Pipe					

Pipe Link: BSH55B		Upstream		Downstream	
Scenario:	Alt3	Invert:	12.70 ft	Invert:	12.30 ft
From Node:	NSH55B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NSH55	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	15.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Proposed Pipe					

Pipe Link: BSH56		Upstream		Downstream	
Scenario:	Alt3	Invert:	13.00 ft	Invert:	12.70 ft
From Node:	NSH56	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU1232	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	15.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BSH70	Upstream	Downstream
Scenario: Alt3	Invert: 3.85 ft	Invert: 3.84 ft
From Node: NSH80	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH85	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 10.00 ft	Max Depth: 10.00 ft
Flow Direction: Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 165.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BSH71	Upstream	Downstream
Scenario: Alt3	Invert: 13.50 ft	Invert: 12.60 ft
From Node: NSH71	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH83	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 700.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BSH83	Upstream	Downstream
Scenario: Alt3	Invert: 10.50 ft	Invert: 10.00 ft
From Node: NSH83	Manning's N: 0.0120	Manning's N: 0.0120

To Node: NSH80	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 10.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Proposed Pipe		

Pipe Link: BSH85	Upstream	Downstream
Scenario: Alt3	Invert: 3.84 ft	Invert: 3.82 ft
From Node: NSH85	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0500	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 10.00 ft	Max Depth: 10.00 ft
Flow Direction: Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping: 0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 342.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Proposed Pipe		

Pipe Link: BSHSelmonDS	Upstream	Downstream
Scenario: Alt3	Invert: 3.80 ft	Invert: 3.00 ft
From Node: NSHSelmonDS	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH05	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 10.00 ft	Max Depth: 10.00 ft
Flow Direction: Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping: 0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 260.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.50	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000

Bend Location: 0.00 dec
Energy Switch: Energy

Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed Pipe

Pipe Link: BSHSelmonUS

Scenario: Alt3
From Node: NSHSelmonUS
To Node: NSHSelmonDS
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 332.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream	Downstream
Invert: 3.80 ft	Invert: 3.80 ft
Manning's N: 0.0120	Manning's N: 0.0120
Geometry: Rectangular	Geometry: Rectangular
Max Depth: 5.00 ft	Max Depth: 5.00 ft
Max Width: 10.00 ft	Max Width: 10.00 ft
Fillet: 0.00 ft	Fillet: 0.00 ft
Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment: Existing box culvert per as-builts

Channel Link: CHAN1047

Scenario: Alt3
From Node: NSH19
To Node: NSH75
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 365.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream	Downstream
Invert: 11.23 ft	Invert: 7.37 ft
Manning's N: 0.0000	Manning's N: 0.0000
Geometry: Irregular	Geometry: Irregular
Cross Section: CB36FT_FULL	Cross Section: CB36FT_FULL

Comment:

Channel Link: CHAN1048		Upstream	Downstream
Scenario:	Alt3	Invert: 15.47 ft	Invert: 11.89 ft
From Node:	NSH18	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSH19	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB30FT_FULL	Cross Section: CB30FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	327.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1049		Upstream	Downstream
Scenario:	Alt3	Invert: 16.83 ft	Invert: 15.95 ft
From Node:	NSH17	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSH18	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB34FT_FULL	Cross Section: CB34FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	122.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1050		Upstream	Downstream
Scenario:	Alt3	Invert: 17.52 ft	Invert: 17.11 ft
From Node:	NSH13	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSH17	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB32FT_HF	Cross Section: CB32FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	376.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1051	Upstream	Downstream
Scenario: Alt3	Invert: 17.34 ft	Invert: 17.09 ft
From Node: NSH14	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH17	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB32FT_HF	Cross Section: CB32FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 190.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment: US invert per ERP 30404

Channel Link: CHAN1052	Upstream	Downstream
Scenario: Alt3	Invert: 18.64 ft	Invert: 17.67 ft
From Node: JUNCT1	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH37	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB30FT_HF	Cross Section: CB30FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 433.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1053	Upstream	Downstream
Scenario: Alt3	Invert: 18.73 ft	Invert: 17.85 ft

From Node:	NSH12	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSH13	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	CB30FT_HF	Cross Section:	CB30FT_HF
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	377.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: CHAN1054		Upstream	Downstream
Scenario:	Alt3	Invert: 21.42 ft	Invert: 18.91 ft
From Node:	NRU0490	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSH41	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB30FT_HF	Cross Section: CB30FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	630.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1055		Upstream	Downstream
Scenario:	Alt3	Invert: 19.42 ft	Invert: 19.04 ft
From Node:	NSH05	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSH12	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB30FT_HF	Cross Section: CB30FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	281.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Channel Link: CHAN1056	Upstream	Downstream
Scenario: Alt3	Invert: 20.48 ft	Invert: 19.47 ft
From Node: NRU0490	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH05	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB30FT_HF	Cross Section: CB30FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 296.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1057	Upstream	Downstream
Scenario: Alt3	Invert: 21.22 ft	Invert: 20.74 ft
From Node: NRU0500	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0495	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB32FT_HF	Cross Section: CB32FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 229.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1058	Upstream	Downstream
Scenario: Alt3	Invert: 21.02 ft	Invert: 20.46 ft
From Node: NRU0500	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH49	Geometry: Irregular	Geometry: Irregular

Link Count: 1 Cross Section: CB38FT_HF Cross Section: CB38FT_HF
Flow Direction: Both
Damping: 0.0000 ft
Length: 310.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1059	Upstream	Downstream
Scenario: Alt3	Invert: 21.15 ft	Invert: 19.63 ft
From Node: NRU0500	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU1220	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB22FT_HF	Cross Section: CB22FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 626.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1060	Upstream	Downstream
Scenario: Alt3	Invert: 16.36 ft	Invert: 14.26 ft
From Node: NSH33	Manning's N: 0.0000	Manning's N: 0.0000
To Node: JUNCT4	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB_SDESOTO_HF	Cross Section: CB_SDESOTO_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 559.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1061	Upstream	Downstream
Scenario: Alt3	Invert: 15.80 ft	Invert: 10.50 ft
From Node: NSH45	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH09	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 753.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1062	Upstream	Downstream
Scenario: Alt3	Invert: 18.75 ft	Invert: 16.74 ft
From Node: NSH10	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH45	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB24FT_FULL	Cross Section: CB24FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 251.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Momentum		

Comment:

Channel Link: CHAN1063	Upstream	Downstream
Scenario: Alt3	Invert: 18.71 ft	Invert: 17.75 ft
From Node: NSH10	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH13	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB24FT_FULL	Cross Section: CB24FT_FULL
Flow Direction: Both		

Damping: 0.0000 ft
Length: 641.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Momentum

Comment:

Channel Link: CHAN1064**Upstream****Downstream**

Scenario: Alt3	Invert: 17.58 ft	Invert: 17.52 ft
From Node: NSH37	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH14	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB32FT_HF	Cross Section: CB32FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 69.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1065**Upstream****Downstream**

Scenario: Alt3	Invert: 10.07 ft	Invert: 7.71 ft
From Node: NSH08	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH75	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB36FT_HF	Cross Section: CB36FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 391.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1066			Upstream	Downstream
Scenario:	Alt3	Invert:	17.16 ft	Invert: 14.13 ft
From Node:	NSH45	Manning's N:	0.0000	Manning's N: 0.0000
To Node:	JUNCT4	Geometry:	Irregular	Geometry: Irregular
Link Count:	1	Cross Section:	CB_SDESOTO_HF	Cross Section: CB_SDESOTO_HF
Flow Direction:	Both			
Damping:	0.0000 ft			
Length:	559.00 ft			
Contraction Coef:	0.00			
Expansion Coef:	0.00			
Entr Loss Coef:	0.00			
Exit Loss Coef:	0.00			
Bend Loss Coef:	0.00			
Bend Location:	0.00 dec			
Energy Switch:	Energy			

Comment:

Channel Link: CHAN1069			Upstream	Downstream
Scenario:	Alt3	Invert:	7.89 ft	Invert: 5.96 ft
From Node:	NSH07	Manning's N:	0.0000	Manning's N: 0.0000
To Node:	NC01	Geometry:	Irregular	Geometry: Irregular
Link Count:	1	Cross Section:	CB32FT_HF	Cross Section: CB32FT_HF
Flow Direction:	Both			
Damping:	0.0000 ft			
Length:	455.00 ft			
Contraction Coef:	0.00			
Expansion Coef:	0.00			
Entr Loss Coef:	0.00			
Exit Loss Coef:	0.00			
Bend Loss Coef:	0.00			
Bend Location:	0.00 dec			
Energy Switch:	Energy			

Comment:

Channel Link: CHAN1071			Upstream	Downstream
Scenario:	Alt3	Invert:	8.37 ft	Invert: 4.74 ft
From Node:	NC02	Manning's N:	0.0000	Manning's N: 0.0000
To Node:	NC03	Geometry:	Irregular	Geometry: Irregular
Link Count:	1	Cross Section:	CB44FT_FULL	Cross Section: CB44FT_FULL
Flow Direction:	Both			
Damping:	0.0000 ft			
Length:	414.00 ft			
Contraction Coef:	0.00			
Expansion Coef:	0.00			
Entr Loss Coef:	0.00			

Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1075	Upstream	Downstream
Scenario: Alt3	Invert: 19.43 ft	Invert: 17.54 ft
From Node: N07A	Manning's N: 0.0000	Manning's N: 0.0000
To Node: N08A	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB46FT_HF	Cross Section: CB46FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 252.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1076	Upstream	Downstream
Scenario: Alt3	Invert: 19.20 ft	Invert: 15.99 ft
From Node: N07A	Manning's N: 0.0000	Manning's N: 0.0000
To Node: N08A	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB46FT_HF	Cross Section: CB46FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 548.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1080	Upstream	Downstream
Scenario: Alt3	Invert: 19.56 ft	Invert: 18.71 ft

From Node:	NSH05	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSH10	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	CB20FT_FULL	Cross Section:	CB20FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	609.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: CHAN1081	Upstream	Downstream
Scenario: Alt3	Invert: 13.67 ft	Invert: 12.96 ft
From Node: NSH25	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH26	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB24FT_FULL	Cross Section: CB24FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 226.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1082	Upstream	Downstream
Scenario: Alt3	Invert: 13.95 ft	Invert: 13.19 ft
From Node: NSH25	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH26	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB26FT_FULL	Cross Section: CB26FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 139.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Channel Link: CHAN1083		Upstream	Downstream
Scenario:	Alt3	Invert: 13.50 ft	Invert: 13.31 ft
From Node:	JUNCT2	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSH26	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB20FT_HF	Cross Section: CB20FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	76.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: CHAN1084		Upstream	Downstream
Scenario:	Alt3	Invert: 13.40 ft	Invert: 13.40 ft
From Node:	NSH22	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSH26	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB20FT_HF	Cross Section: CB20FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	66.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: CHAN1085		Upstream	Downstream
Scenario:	Alt3	Invert: 17.79 ft	Invert: 13.33 ft
From Node:	NSH23	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSH24	Geometry: Irregular	Geometry: Irregular

Link Count: 1 Cross Section: CB18FT_HF Cross Section: CB18FT_HF
Flow Direction: Both
Damping: 0.0000 ft
Length: 434.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1086	Upstream	Downstream
Scenario: Alt3	Invert: 17.78 ft	Invert: 13.39 ft
From Node: NSH48	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH22	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB18FT_HF	Cross Section: CB18FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 434.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Momentum		

Comment:

Channel Link: CHAN1087	Upstream	Downstream
Scenario: Alt3	Invert: 18.48 ft	Invert: 18.29 ft
From Node: NSH15	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH48	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: V18FT_HF	Cross Section: V18FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 107.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1088		Upstream	Downstream
Scenario:	Alt3	Invert: 18.45 ft	Invert: 17.81 ft
From Node:	NSH15	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSH37	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB20FT_HF	Cross Section: CB20FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	134.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: CHAN1089		Upstream	Downstream
Scenario:	Alt3	Invert: 20.02 ft	Invert: 18.36 ft
From Node:	NSH20	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSH15	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	195.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: CHAN1090		Upstream	Downstream
Scenario:	Alt3	Invert: 20.08 ft	Invert: 18.94 ft
From Node:	NSH20	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	JUNCT1	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: V18FT_HF	Cross Section: V18FT_HF
Flow Direction:	Both		

Damping: 0.0000 ft
Length: 184.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1091**Upstream****Downstream**

Scenario: Alt3	Invert: 15.40 ft	Invert: 13.54 ft
From Node: NSH18	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH22	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB20FT_HF	Cross Section: CB20FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 358.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1092**Upstream****Downstream**

Scenario: Alt3	Invert: 11.55 ft	Invert: 10.41 ft
From Node: NSH19	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH21	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB20FT_HF	Cross Section: CB20FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 95.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1093		Upstream	Downstream
Scenario:	Alt3	Invert: 20.17 ft	Invert: 18.13 ft
From Node:	NRU0390	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSH23	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB18FT_HF	Cross Section: CB18FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	459.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1097		Upstream	Downstream
Scenario:	Alt3	Invert: 19.12 ft	Invert: 17.67 ft
From Node:	NRU0340	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU0290	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB28FT_FULL	Cross Section: CB28FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	428.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1102		Upstream	Downstream
Scenario:	Alt3	Invert: 16.15 ft	Invert: 15.46 ft
From Node:	NRU0180	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU0174	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB22FT_FULL	Cross Section: CB22FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	392.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1104	Upstream	Downstream
Scenario: Alt3	Invert: 14.18 ft	Invert: 13.60 ft
From Node: NSH25	Manning's N: 0.0000	Manning's N: 0.0000
To Node: JUNCT2	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB20FT_HF	Cross Section: CB20FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 122.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1109	Upstream	Downstream
Scenario: Alt3	Invert: 16.15 ft	Invert: 15.12 ft
From Node: NRU0180	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0250	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB18FT_HF	Cross Section: CB18FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 425.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1110	Upstream	Downstream
Scenario: Alt3	Invert: 16.18 ft	Invert: 14.88 ft

From Node:	NRU0180	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	JUNCT6	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	CB18FT_HF	Cross Section:	CB18FT_HF
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	425.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: CHAN1111	Upstream	Downstream
Scenario: Alt3	Invert: 18.22 ft	Invert: 17.08 ft
From Node: NRU0310	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0550	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB24FT_FULL	Cross Section: CB24FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 395.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1117	Upstream	Downstream
Scenario: Alt3	Invert: 19.56 ft	Invert: 18.74 ft
From Node: NRU0630	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW2310	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 387.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Channel Link: CHAN1119	Upstream	Downstream
Scenario: Alt3	Invert: 19.64 ft	Invert: 19.15 ft
From Node: JUNCT3	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0612	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB18FT_FULL	Cross Section: CB18FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 280.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Momentum		

Comment:

Channel Link: CHAN1121	Upstream	Downstream
Scenario: Alt3	Invert: 20.20 ft	Invert: 19.67 ft
From Node: NRU0618	Manning's N: 0.0000	Manning's N: 0.0000
To Node: JUNCT3	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 485.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1122	Upstream	Downstream
Scenario: Alt3	Invert: 19.54 ft	Invert: 18.66 ft
From Node: NRU0620	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0345	Geometry: Irregular	Geometry: Irregular

Link Count: 1 Cross Section: CB20FT_FULL Cross Section: CB20FT_FULL
Flow Direction: Both
Damping: 0.0000 ft
Length: 240.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1123

	Upstream	Downstream
Scenario: Alt3	Invert: 19.13 ft	Invert: 18.74 ft
From Node: NRU0345	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0570	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 443.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1124

	Upstream	Downstream
Scenario: Alt3	Invert: 19.02 ft	Invert: 18.67 ft
From Node: NRU0335	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0340	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB26FT_HF	Cross Section: CB26FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 196.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1663		Upstream	Downstream
Scenario:	Alt3	Invert: 19.74 ft	Invert: 18.83 ft
From Node:	NBW1840	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW2290	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB_PARKLAND_FU LL	Cross Section: CB_PARKLAND_FU LL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	704.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: CHAN1900		Upstream	Downstream
Scenario:	Alt3	Invert: 20.09 ft	Invert: 18.66 ft
From Node:	NCL2630	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL2631	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB24FT_FULL	Cross Section: CB24FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	296.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: CHAN1927		Upstream	Downstream
Scenario:	Alt3	Invert: 19.99 ft	Invert: 19.14 ft
From Node:	NSH83	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSH50	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB32FT_HF	Cross Section: CB32FT_HF
Flow Direction:	Both		

Damping: 0.0000 ft
Length: 524.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1928**Upstream****Downstream**

Scenario: Alt3	Invert: 19.09 ft	Invert: 18.26 ft
From Node: NSH04	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH54	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB40FT_FULL	Cross Section: CB40FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 221.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1929**Upstream****Downstream**

Scenario: Alt3	Invert: 18.90 ft	Invert: 18.25 ft
From Node: NSH50	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH52	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB50FT_FULL	Cross Section: CB50FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 228.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1930		Upstream	Downstream
Scenario:	Alt3	Invert: 19.13 ft	Invert: 18.30 ft
From Node:	NSH51	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSH53	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB36FT_FULL	Cross Section: CB36FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	141.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: CHAN1931		Upstream	Downstream
Scenario:	Alt3	Invert: 18.62 ft	Invert: 18.06 ft
From Node:	NSH55	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSH52	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB40FT_FULL	Cross Section: CB40FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	197.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: CHAN1932		Upstream	Downstream
Scenario:	Alt3	Invert: 18.60 ft	Invert: 18.02 ft
From Node:	NSH55	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSH56	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB40FT_HF	Cross Section: CB40FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	247.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1933	Upstream	Downstream
Scenario: Alt3	Invert: 18.51 ft	Invert: 17.90 ft
From Node: NSH55	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU1234	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB40FT_HF	Cross Section: CB40FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 255.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1934	Upstream	Downstream
Scenario: Alt3	Invert: 17.64 ft	Invert: 16.85 ft
From Node: NRU1240	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0810	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB26FT_HF	Cross Section: CB26FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 222.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1935	Upstream	Downstream
Scenario: Alt3	Invert: 17.78 ft	Invert: 17.05 ft

From Node:	NRU1234	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NRU0785	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	CB26FT_HF	Cross Section:	CB26FT_HF
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	305.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: CHAN1936		Upstream	Downstream
Scenario:	Alt3	Invert: 18.04 ft	Invert: 16.25 ft
From Node:	NRU0830	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU0790	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: V32FT_FULL	Cross Section: V32FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	395.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1937		Upstream	Downstream
Scenario:	Alt3	Invert: 16.83 ft	Invert: 16.02 ft
From Node:	NRU0810	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU0790	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB24FT_FULL	Cross Section: CB24FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	266.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Channel Link: CHAN1938		Upstream	Downstream
Scenario:	Alt3	Invert: 18.11 ft	Invert: 17.24 ft
From Node:	NRU0830	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU0950	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: V28FT_FULL	Cross Section: V28FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	397.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: CHAN1939		Upstream	Downstream
Scenario:	Alt3	Invert: 17.47 ft	Invert: 17.07 ft
From Node:	NRU0960	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU0955	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	346.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: CHAN1940		Upstream	Downstream
Scenario:	Alt3	Invert: 18.44 ft	Invert: 17.90 ft
From Node:	JUNCT8	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	JUNCT8B	Geometry: Irregular	Geometry: Irregular

Link Count:	1	Cross Section:	CB42FT_FULL	Cross Section:	CB42FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	311.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Momentum				

Comment:

Channel Link: CHAN1941	Upstream	Downstream
Scenario: Alt3	Invert: 18.33 ft	Invert: 17.96 ft
From Node: JUNCT7	Manning's N: 0.0000	Manning's N: 0.0000
To Node: JUNCT7B	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 318.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Momentum		

Comment:

Channel Link: CHAN1942	Upstream	Downstream
Scenario: Alt3	Invert: 19.16 ft	Invert: 18.47 ft
From Node: NCL3510	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3490	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: V18FT_FULL	Cross Section: V18FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 378.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1943	Upstream	Downstream
Scenario: Alt3	Invert: 18.09 ft	Invert: 16.96 ft
From Node: NCL3490	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3470	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: V20FT_FULL	Cross Section: V20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 293.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1944	Upstream	Downstream
Scenario: Alt3	Invert: 19.45 ft	Invert: 16.79 ft
From Node: NCL3270	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3470	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB46FT_HF	Cross Section: CB46FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 629.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1945	Upstream	Downstream
Scenario: Alt3	Invert: 19.38 ft	Invert: 16.89 ft
From Node: NCL3280	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3470	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB46FT_HF	Cross Section: CB46FT_HF
Flow Direction: Both		

Damping: 0.0000 ft
Length: 629.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1946**Upstream****Downstream**

Scenario: Alt3
From Node: NCL3270
To Node: NCL3250
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 389.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 19.48 ft

Invert: 17.22 ft

Manning's N: 0.0000

Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: V20FT_HF

Cross Section: V20FT_HF

Comment:

Channel Link: CHAN1947**Upstream****Downstream**

Scenario: Alt3
From Node: NCL3250
To Node: NCL3450
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 322.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 17.88 ft

Invert: 17.13 ft

Manning's N: 0.0000

Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: CB34FT_FULL

Cross Section: CB34FT_FULL

Comment:

Channel Link: CHAN1948		Upstream	Downstream
Scenario:	Alt3	Invert: 17.92 ft	Invert: 17.02 ft
From Node:	NCL3470	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL3450	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: V18FT_FULL	Cross Section: V18FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	350.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1949		Upstream	Downstream
Scenario:	Alt3	Invert: 17.31 ft	Invert: 16.95 ft
From Node:	NCL3740	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL3450	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB22FT_HF	Cross Section: CB22FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	305.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1950		Upstream	Downstream
Scenario:	Alt3	Invert: 18.58 ft	Invert: 17.30 ft
From Node:	NRU1010	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU1040	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB50FT_HF	Cross Section: CB50FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	326.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1951	Upstream	Downstream
Scenario: Alt3	Invert: 18.61 ft	Invert: 17.36 ft
From Node: NRU0970	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU1040	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB50FT_HF	Cross Section: CB50FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 326.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1952	Upstream	Downstream
Scenario: Alt3	Invert: 17.89 ft	Invert: 17.48 ft
From Node: NRU0970	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0950	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB26FT_HF	Cross Section: CB26FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 277.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1953	Upstream	Downstream
Scenario: Alt3	Invert: 17.90 ft	Invert: 17.59 ft

From Node:	NRU0970	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NRU0955	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	CB26FT_HF	Cross Section:	CB26FT_HF
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	263.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: CHAN1954		Upstream	Downstream
Scenario:	Alt3	Invert: 20.34 ft	Invert: 16.03 ft
From Node:	NBW2190	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU0785	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB24FT_HF	Cross Section: CB24FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	1155.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1955		Upstream	Downstream
Scenario:	Alt3	Invert: 20.06 ft	Invert: 15.78 ft
From Node:	NBW2210	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU0750	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB22FT_HF	Cross Section: CB22FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	1661.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Channel Link: CHAN1956		Upstream	Downstream
Scenario:	Alt3	Invert: 19.64 ft	Invert: 17.98 ft
From Node:	NBW2270	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU0730	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB_PARKLAND_HA LF	Cross Section: CB_PARKLAND_HA LF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	1055.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: CHAN1957		Upstream	Downstream
Scenario:	Alt3	Invert: 19.60 ft	Invert: 17.84 ft
From Node:	NBW2310	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU0730	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB_PARKLAND_HA LF	Cross Section: CB_PARKLAND_HA LF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	966.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: CHAN1958		Upstream	Downstream
Scenario:	Alt3	Invert: 20.09 ft	Invert: 19.05 ft
From Node:	NBW2190	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW2070	Geometry: Irregular	Geometry: Irregular

Link Count:	1	Cross Section:	CB38FT_HF	Cross Section:	CB38FT_HF
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	233.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: CHAN1962	Upstream	Downstream
Scenario: Alt3	Invert: 19.92 ft	Invert: 18.61 ft
From Node: NBW2030	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW2230	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 710.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1965	Upstream	Downstream
Scenario: Alt3	Invert: 20.22 ft	Invert: 19.07 ft
From Node: NCL3170	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3280	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB46FT_HF	Cross Section: CB46FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 289.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1966	Upstream	Downstream
Scenario: Alt3	Invert: 20.10 ft	Invert: 19.32 ft
From Node: NCL3170	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3270	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB46FT_HF	Cross Section: CB46FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 289.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1967	Upstream	Downstream
Scenario: Alt3	Invert: 20.14 ft	Invert: 19.19 ft
From Node: NCL3290	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3190	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB18FT_FULL	Cross Section: CB18FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 462.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1969	Upstream	Downstream
Scenario: Alt3	Invert: 19.94 ft	Invert: 19.08 ft
From Node: NCL3110	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3210	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction: Both		

Damping: 0.0000 ft
Length: 448.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1970**Upstream****Downstream**

Scenario: Alt3
From Node: NCL2810
To Node: NCL2580
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 894.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 22.12 ft

Invert: 20.27 ft

Manning's N: 0.0000

Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: V18FT_HF

Cross Section: V18FT_HF

Comment:

Channel Link: CHAN1971**Upstream****Downstream**

Scenario: Alt3
From Node: NCL2790
To Node: JUNCT10
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 456.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 22.17 ft

Invert: 21.20 ft

Manning's N: 0.0000

Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: V18FT_HF

Cross Section: V18FT_HF

Comment:

Channel Link: CHAN1971B		
	Upstream	Downstream
Scenario: Alt3	Invert: 21.20 ft	Invert: 20.07 ft
From Node: JUNCT10	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL2580	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: V18FT_HF	Cross Section: V18FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 466.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1972		
	Upstream	Downstream
Scenario: Alt3	Invert: 28.94 ft	Invert: 22.00 ft
From Node: JUNCT9	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL2840	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: V20FT_HF	Cross Section: V20FT_HF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 807.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1973		
	Upstream	Downstream
Scenario: Alt3	Invert: 29.07 ft	Invert: 24.66 ft
From Node: NCL4010	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL2845	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: V20FT_FULL	Cross Section: V20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 439.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		

Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1974	Upstream	Downstream
Scenario: Alt3	Invert: 20.43 ft	Invert: 18.80 ft
From Node: NSH04	Manning's N: 0.0000	Manning's N: 0.0000
To Node: N02	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB40FT_FULL	Cross Section: CB40FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 535.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1975	Upstream	Downstream
Scenario: Alt3	Invert: 20.40 ft	Invert: 19.39 ft
From Node: NRU0590	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0620	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB22FT_FULL	Cross Section: CB22FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 624.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1976	Upstream	Downstream
Scenario: Alt3	Invert: 19.15 ft	Invert: 18.74 ft

From Node:	NRU0590	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NRU2630	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	CB20FT_FULL	Cross Section:	CB20FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	611.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: CHAN1977		Upstream	Downstream
Scenario:	Alt3	Invert: 18.92 ft	Invert: 18.73 ft
From Node:	NRU0570	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU2610	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	614.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1978		Upstream	Downstream
Scenario:	Alt3	Invert: 19.86 ft	Invert: 19.05 ft
From Node:	NRU0510	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU0620	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	481.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Channel Link: CHAN1979	Upstream	Downstream
Scenario: Alt3	Invert: 19.87 ft	Invert: 18.56 ft
From Node: NRU0510	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0345	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 720.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1981	Upstream	Downstream
Scenario: Alt3	Invert: 20.16 ft	Invert: 18.58 ft
From Node: NRU0616	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0610	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 1022.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1982	Upstream	Downstream
Scenario: Alt3	Invert: 19.80 ft	Invert: 19.02 ft
From Node: NRU0610	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU2650	Geometry: Irregular	Geometry: Irregular

Link Count:	1	Cross Section:	CB20FT_FULL	Cross Section:	CB20FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	512.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: CHAN1983	Upstream	Downstream
Scenario: Alt3	Invert: 20.50 ft	Invert: 15.51 ft
From Node: NRU0490	Manning's N: 0.0000	Manning's N: 0.0000
To Node: N08A	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB24FT_FULL	Cross Section: CB24FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 1889.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1984	Upstream	Downstream
Scenario: Alt3	Invert: 18.89 ft	Invert: 17.53 ft
From Node: NRU1070	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU1050	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB44FT_FULL	Cross Section: CB44FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 449.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1985

	Upstream	Downstream
Scenario: Alt3	Invert: 14.77 ft	Invert: 14.17 ft
From Node: JUNCT6	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0250	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB18FT_FULL	Cross Section: CB18FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 197.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1986

	Upstream	Downstream
Scenario: Alt3	Invert: 13.44 ft	Invert: 9.64 ft
From Node: JUNCT4	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSH08	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 156.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN1988

	Upstream	Downstream
Scenario: Alt3	Invert: 18.08 ft	Invert: 15.60 ft
From Node: N02	Manning's N: 0.0000	Manning's N: 0.0000
To Node: BC_N02	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: XOW791A	Cross Section: XOW791A
Flow Direction: Both		

Damping: 0.0000 ft
Length: 668.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN1989**Upstream****Downstream**

Scenario: Alt3
From Node: NRU1040
To Node: NRU0970
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 360.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 18.47 ft

Invert: 17.70 ft

Manning's N: 0.0000

Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: V20FT_HF

Cross Section: V20FT_HF

Comment:

Channel Link: CHAN1990**Upstream****Downstream**

Scenario: Alt3
From Node: NRU0960
To Node: NRU0970
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 360.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 18.50 ft

Invert: 17.50 ft

Manning's N: 0.0000

Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: V20FT_HF

Cross Section: V20FT_HF

Comment:

Channel Link: CHAN1991		Upstream	Downstream
Scenario:	Alt3	Invert: 17.50 ft	Invert: 15.50 ft
From Node:	NCL3470	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL3740	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: V20FT_HF	Cross Section: V20FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	356.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1992		Upstream	Downstream
Scenario:	Alt3	Invert: 17.57 ft	Invert: 17.27 ft
From Node:	NCL3470	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL3450	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: V20FT_HF	Cross Section: V20FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	356.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: CHAN1993		Upstream	Downstream
Scenario:	Alt3	Invert: 19.50 ft	Invert: 17.00 ft
From Node:	NCL3470	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL3250	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: V20FT_HF	Cross Section: V20FT_HF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	389.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: CHAN2000	Upstream	Downstream
Scenario: Alt3	Invert: 17.96 ft	Invert: 17.50 ft
From Node: JUNCT7B	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3470	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB20FT_FULL	Cross Section: CB20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 400.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN2001	Upstream	Downstream
Scenario: Alt3	Invert: 17.90 ft	Invert: 17.20 ft
From Node: JUNCT8B	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0965	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CB42FT_FULL	Cross Section: CB42FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 400.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: CHAN2010	Upstream	Downstream
Scenario: Alt3	Invert: 19.91 ft	Invert: 19.08 ft

From Node:	NSH80	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSH50	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	CB32FT_HF	Cross Section:	CB32FT_HF
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	502.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Drop Structure Link: D11		Upstream Pipe	Downstream Pipe
Scenario:	Alt3	Invert: 9.40 ft	Invert: 9.63 ft
From Node:	PondB	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	N06	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 3.17 ft	Max Depth: 3.17 ft
Flow Direction:	Both	Bottom Clip	
Solution:	Split	Default: 0.00 ft	Default: 0.00 ft
Pipe Count:	1	Op Table:	Op Table:
Damping:	0.0000 ft	Ref Node:	Ref Node:
Length:	110.00 ft	Manning's N: 0.0000	Manning's N: 0.0000
FHWA Code:	0	Top Clip	
Entr Loss Coef:	0.50	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef:	0.50	Op Table:	Op Table:
Bend Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Location:	0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch:	Energy		

Pipe Comment:

Weir Component		Bottom Clip
Weir:	1	Default: 0.00 ft
Weir Count:	1	Op Table:
Weir Flow Direction:	Both	Ref Node:
Damping:	0.0000 ft	Top Clip
Weir Type:	Sharp Crested Vertical	Default: 0.00 ft
Geometry Type:	Rectangular	Op Table:
Invert:	11.46 ft	Ref Node:
Control Elevation:	11.46 ft	Discharge Coefficients
Max Depth:	3.35 ft	Weir Default: 3.200
Max Width:	7.00 ft	Weir Table:
Fillet:	0.00 ft	Orifice Default: 0.600
		Orifice Table:

Weir Comment:

Weir Component	
Weir: 2	Bottom Clip
Weir Count: 1	Default: 0.00 ft
Weir Flow Direction: Both	Op Table:
Damping: 0.0000 ft	Ref Node:
Weir Type: Horizontal	Top Clip
Geometry Type: Rectangular	Default: 0.00 ft
Invert: 14.81 ft	Op Table:
Control Elevation: 14.81 ft	Ref Node:
Max Depth: 5.00 ft	Discharge Coefficients
Max Width: 7.00 ft	Weir Default: 3.200
Fillet: 0.00 ft	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Weir Comment:

Drop Structure Comment: Inventory

Channel Link: DM1OW	Upstream	Downstream
Scenario: Alt3	Invert: 16.33 ft	Invert: 15.23 ft
From Node: NSR2130	Manning's N: 0.0200	Manning's N: 0.0200
To Node: DM1	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal
Damping: 0.0000 ft	Bottom Width: 50.00 ft	Bottom Width: 50.00 ft
Length: 1200.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: EP_ManGut	Upstream	Downstream
Scenario: Alt3	Invert: 5.43 ft	Invert: 4.58 ft
From Node: M5.1	Manning's N: 0.0200	Manning's N: 0.0200
To Node: ElPrad.1	Geometry: Trapezoidal	Geometry: Trapezoidal

Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000	Bottom Width:	40.00 ft	Bottom Width:	40.00 ft
Length:	500.00 ft	Left Slope:	1.000 (h:v)	Left Slope:	1.000 (h:v)
Contraction Coef:	0.00	Right Slope:	1.000 (h:v)	Right Slope:	1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: El_PradGut		Upstream	Downstream
Scenario:	Alt3	Invert: 4.58 ft	Invert: 4.93 ft
From Node:	ElPrad.1	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	EIP_Hes.1	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction:	Both	Extrapolation: Normal	Extrapolation: Normal
Damping:	0.0000	Bottom Width: 40.00 ft	Bottom Width: 40.00 ft
Length:	285.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef:	0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip	
Entr Loss Coef:	0.00	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:	
Bend Loss Coef:	0.00	Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip	
		Default:	0.00 ft
		Op Table:	
		Ref Node:	
		Manning's N:	0.0000

Comment:

Pipe Link: El_PradPip		Upstream	Downstream
Scenario:	Alt3	Invert: 1.88 ft	Invert: 1.22 ft
From Node:	ElPrad.1	Manning's N: 0.0140	Manning's N: 0.0140
To Node:	EIP_Hes.1	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default:	0.00 ft
		Default:	0.00 ft

Length:	268.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N:	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default:	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N:	Manning's N: 0.0000
Comment:			

Pipe Link: HesBox1	Upstream	Downstream
Scenario: Alt3	Invert: 0.33 ft	Invert: -0.22 ft
From Node: H2.1	Manning's N: 0.0140	Manning's N: 0.0140
To Node: Shmrck1.1	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Max Width: 5.00 ft	Max Width: 5.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 828.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: HesBox2	Upstream	Downstream
Scenario: Alt3	Invert: 0.33 ft	Invert: -0.22 ft
From Node: H2.1	Manning's N: 0.0140	Manning's N: 0.0140
To Node: Shmrck1.1	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Max Width: 5.00 ft	Max Width: 5.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 828.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: Hes_Culv

Upstream

Downstream

Scenario: Alt3
 From Node: EIP_Hes.1
 To Node: H2.1
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 135.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 1.22 ft

Invert: 0.33 ft

Manning's N: 0.0140

Manning's N: 0.0140

Geometry: Circular

Geometry: Circular

Max Depth: 2.00 ft

Max Depth: 2.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: Hes_Gut

Upstream

Downstream

Scenario: Alt3
 From Node: EIP_Hes.1
 To Node: H2.1
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 135.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 4.93 ft

Invert: 5.93 ft

Manning's N: 0.0200

Manning's N: 0.0200

Geometry: Trapezoidal

Geometry: Trapezoidal

Max Depth: 0.50 ft

Max Depth: 0.50 ft

Extrapolation: Normal

Extrapolation: Normal

Bottom Width: 40.00 ft

Bottom Width: 40.00 ft

Left Slope: 1.000 (h:v)

Left Slope: 1.000 (h:v)

Right Slope: 1.000 (h:v)

Right Slope: 1.000 (h:v)

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: Link_SL28

Upstream

Downstream

Scenario:	Alt3	Invert:	7.82 ft	Invert:	6.74 ft
From Node:	Church2	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	G10	Geometry:	Rectangular	Geometry:	Rectangular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Max Width:	4.00 ft	Max Width:	4.00 ft
Damping:	0.0000	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	680.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: Link_SL30		Upstream		Downstream	
Scenario:	Alt3	Invert:	8.79 ft	Invert:	7.82 ft
From Node:	DM3	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	Church2	Geometry:	Rectangular	Geometry:	Rectangular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Max Width:	4.00 ft	Max Width:	4.00 ft
Damping:	0.0000	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	617.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: MRSR1570OW		Upstream		Downstream	
Scenario:	Alt3	Invert:	16.03 ft	Invert:	14.03 ft
From Node:	NSR1570	Manning's N:	0.0200	Manning's N:	0.0200
To Node:	G1	Geometry:	Trapezoidal	Geometry:	Trapezoidal
Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000	Bottom Width:	25.00 ft	Bottom Width:	25.00 ft
Length:	1220.00 ft	Left Slope:	1.000 (h:v)	Left Slope:	1.000 (h:v)

Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: ManBox1	Upstream	Downstream
Scenario: Alt3	Invert: 1.14 ft	Invert: 0.53 ft
From Node: M5.1	Manning's N: 0.0140	Manning's N: 0.0140
To Node: EIP_con.1	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Max Width: 5.00 ft	Max Width: 5.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 489.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: ManBox2	Upstream	Downstream
Scenario: Alt3	Invert: 1.14 ft	Invert: 0.53 ft
From Node: M5.1	Manning's N: 0.0140	Manning's N: 0.0140
To Node: EIP_con.1	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Max Width: 5.00 ft	Max Width: 5.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 489.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	

Energy Switch: Energy

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: MidBox1

Upstream

Downstream

Scenario: Alt3

Invert: 0.53 ft

Invert: 0.33 ft

From Node: EIP_con.1

Manning's N: 0.0140

Manning's N: 0.0140

To Node: H2.1

Geometry: Rectangular

Geometry: Rectangular

Link Count: 1

Max Depth: 3.00 ft

Max Depth: 3.00 ft

Flow Direction: Both

Max Width: 5.00 ft

Max Width: 5.00 ft

Damping: 0.0000 ft

Fillet: 0.00 ft

Fillet: 0.00 ft

Length: 268.00 ft

Bottom Clip

FHWA Code: 0

Default: 0.00 ft

Default: 0.00 ft

Entr Loss Coef: 0.00

Op Table:

Op Table:

Exit Loss Coef: 0.00

Ref Node:

Ref Node:

Bend Loss Coef: 0.00

Manning's N: 0.0000

Manning's N: 0.0000

Bend Location: 0.00 dec

Top Clip

Energy Switch: Energy

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: MidBox2

Upstream

Downstream

Scenario: Alt3

Invert: 0.53 ft

Invert: 0.33 ft

From Node: EIP_con.1

Manning's N: 0.0140

Manning's N: 0.0140

To Node: H2.1

Geometry: Rectangular

Geometry: Rectangular

Link Count: 1

Max Depth: 3.00 ft

Max Depth: 3.00 ft

Flow Direction: Both

Max Width: 5.00 ft

Max Width: 5.00 ft

Damping: 0.0000 ft

Fillet: 0.00 ft

Fillet: 0.00 ft

Length: 268.00 ft

Bottom Clip

FHWA Code: 0

Default: 0.00 ft

Default: 0.00 ft

Entr Loss Coef: 0.00

Op Table:

Op Table:

Exit Loss Coef: 0.00

Ref Node:

Ref Node:

Bend Loss Coef: 0.00

Manning's N: 0.0000

Manning's N: 0.0000

Bend Location: 0.00 dec

Top Clip

Energy Switch: Energy

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Weir Link: NRU0820

Scenario: Alt3
 From Node: NRU0820
 To Node: NRU0810
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 16.16 ft
 Control Elevation: 16.16 ft
 Max Depth: 2.00 ft
 Max Width: 2.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment: SET WEIR TO THE CONTROLLING ELEVATION PER ERP 1213

Weir Link: NSR0430OW/B

Scenario: Alt3
 From Node: NSR0430
 To Node: NSR0310
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 13.14 ft
 Control Elevation: 13.14 ft
 Max Depth: 9999.00 ft
 Max Width: 100.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.400
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Channel Link: NSR2130OW

Scenario: Alt3
 From Node: NSR2130
 To Node: G2
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 775.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00

Upstream

Invert: 16.33 ft
 Manning's N: 0.0200
 Geometry: Trapezoidal
 Max Depth: 0.50 ft
 Extrapolation: Normal
 Bottom Width: 25.00 ft
 Left Slope: 1.000 (h:v)
 Right Slope: 1.000 (h:v)

Downstream

Invert: 14.63 ft
 Manning's N: 0.0200
 Geometry: Trapezoidal
 Max Depth: 0.50 ft
 Extrapolation: Normal
 Bottom Width: 25.00 ft
 Left Slope: 1.000 (h:v)
 Right Slope: 1.000 (h:v)

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Default: 0.00 ft
 Op Table:
 Ref Node:

Bend Location: 0.00 dec
Energy Switch: Energy

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Weir Link: OF0165

Scenario: Alt3

From Node: NRU0165

To Node: NRU1390

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Paved Road Vertical

Geometry Type: Irregular

Invert: 16.00 ft

Control Elevation: 16.00 ft

Cross Section: XOW0165

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF1078

Scenario: Alt3

From Node: PondB

To Node: N11

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Paved Road Vertical

Geometry Type: Irregular

Invert: 16.42 ft

Control Elevation: 16.42 ft

Cross Section: XOW803

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF1120

Scenario: Alt3

Bottom Clip

From Node: NRU0650
To Node: JUNCT3
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.82 ft
Control Elevation: 19.82 ft
Cross Section: XOW757

Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW757

Weir Link: OF1887

Scenario: Alt3
From Node: NCL2845
To Node: NCL2830
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 23.92 ft
Control Elevation: 23.92 ft
Cross Section: XOW386

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW386

Weir Link: OF1888

Scenario: Alt3
From Node: NCL2840
To Node: NCL2830
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 23.67 ft
Control Elevation: 23.67 ft
Cross Section: XOW385

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW385

Weir Link: OF1889

Scenario: Alt3
From Node: NCL2845
To Node: NCL2840
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 23.90 ft
Control Elevation: 23.90 ft
Cross Section: XOW387

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW387

Weir Link: OF1890

Scenario: Alt3
From Node: NCL3430
To Node: NCL3390
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.48 ft
Control Elevation: 20.48 ft
Cross Section: XOW388

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.400

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW388

Weir Link: OF1891

Scenario: Alt3
From Node: NCL3590
To Node: NCL3550
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Geometry Type: Irregular
Invert: 20.86 ft
Control Elevation: 20.86 ft
Cross Section: XOW389

Ref Node:

Discharge Coefficients

Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW389

Weir Link: OF1892

Scenario: Alt3
From Node: NCL3520
To Node: NCL3510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.50 ft
Control Elevation: 19.50 ft
Cross Section: XOW390

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW390

Weir Link: OF1893

Scenario: Alt3
From Node: NCL2580
To Node: NCL2590
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.18 ft
Control Elevation: 20.18 ft
Cross Section: XOW391

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW391

Weir Link: OF1894

Scenario: Alt3
From Node: NCL2770
To Node: NCL2780
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 22.19 ft
Control Elevation: 22.19 ft
Cross Section: XOW392

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW392

Weir Link: OF1895

Scenario: Alt3
From Node: NSH27
To Node: NSH21
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 12.67 ft
Control Elevation: 12.67 ft
Cross Section: XOW395

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW395

Weir Link: OF1896

Scenario: Alt3
From Node: NSH35
To Node: NSH42
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 7.64 ft
Control Elevation: 7.64 ft
Cross Section: XOW397

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW397

Weir Link: OF1897

Scenario: Alt3
From Node: NSH43
To Node: NSH35
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 7.67 ft
Control Elevation: 7.67 ft
Cross Section: XOW398

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW398

Weir Link: OF1898

Scenario: Alt3
From Node: NSH43
To Node: NSH42
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 7.38 ft
Control Elevation: 7.38 ft
Cross Section: XOW396

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW396

Weir Link: OF1899

Scenario: Alt3
From Node: NSH42
To Node: SH_OUTFALL
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 7.41 ft
Control Elevation: 7.41 ft
Cross Section: XOW399

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW399

Weir Link: OF1901

Scenario: Alt3
From Node: PondA
To Node: N03
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 19.78 ft
Control Elevation: 19.78 ft
Cross Section: XOW400

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW400

Weir Link: OF1902

Scenario: Alt3
From Node: N03
To Node: N04
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 19.88 ft
Control Elevation: 19.88 ft
Cross Section: XOW401

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW401

Weir Link: OF1903

Scenario: Alt3
From Node: N03
To Node: N02
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 19.60 ft
Control Elevation: 19.60 ft
Cross Section: XOW402

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW402

Weir Link: OF1904

Scenario: Alt3
From Node: NSH52
To Node: NSH54
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.49 ft
Control Elevation: 18.49 ft
Cross Section: XOW405

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW405

Weir Link: OF1905

Scenario: Alt3
From Node: NRU1185
To Node: NRU1188
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 19.52 ft
Control Elevation: 19.52 ft
Cross Section: XOW406

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.400
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW406

Weir Link: OF1907

Scenario: Alt3
From Node: NRU1234
To Node: NRU1182
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 19.24 ft
Control Elevation: 19.24 ft
Cross Section: XOW410

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.400

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW410

Weir Link: OF1908

Scenario: Alt3
From Node: NRU1188
To Node: NRU1182
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 19.94 ft
Control Elevation: 19.94 ft
Cross Section: XOW407

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.400

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW407

Weir Link: OF1910

Scenario: Alt3
From Node: NSH57
To Node: NRU1240
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.92 ft
Control Elevation: 17.92 ft
Cross Section: XOW412

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW412

Weir Link: OF1911

Scenario: Alt3
From Node: NRU1234
To Node: NSH57
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.10 ft
Control Elevation: 18.10 ft
Cross Section: XOW411

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW411

Weir Link: OF1912

Scenario: Alt3
From Node: N02
To Node: PondB
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.44 ft
Control Elevation: 18.44 ft
Cross Section: XOW403

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW403

Weir Link: OF1913

Scenario: Alt3
From Node: NRU1030
To Node: NRU1040
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.87 ft
Control Elevation: 17.87 ft
Cross Section: XOW413

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW413

Weir Link: OF1914

Scenario: Alt3
From Node: NCL3390
To Node: NCL2910
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.08 ft
Control Elevation: 20.08 ft
Cross Section: XOW414

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW414

Weir Link: OF1916

Scenario: Alt3
From Node: NSH29
To Node: NSH34
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 9.91 ft
Control Elevation: 9.91 ft
Cross Section: XOW417

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW417

Weir Link: OF1918

Scenario: Alt3
From Node: NSH34
To Node: SH_OUTFALL
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 9.09 ft
Control Elevation: 9.09 ft
Cross Section: XOW416

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW416

Weir Link: OF1919

Scenario: Alt3
From Node: NSH34
To Node: NSH44
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 9.15 ft
Control Elevation: 9.15 ft
Cross Section: XOW415

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW415

Weir Link: OF1920

Scenario: Alt3
From Node: NSH34
To Node: NSH35
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 8.85 ft
Control Elevation: 8.85 ft
Cross Section: XOW420

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW420

Weir Link: OF1921

Scenario: Alt3
From Node: NSH28
To Node: NSH35
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 9.26 ft
Control Elevation: 9.26 ft
Cross Section: XOW422

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW422

Weir Link: OF1922

Scenario: Alt3
From Node: NSH08
To Node: SH_OUTFALL
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 10.13 ft
Control Elevation: 10.13 ft
Cross Section: XOW423

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW423

Weir Link: OF1924

Scenario: Alt3
From Node: NSH24
To Node: JUNCT2
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 13.57 ft
Control Elevation: 13.57 ft
Cross Section: XOW425

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW425

Weir Link: OF1925

Scenario: Alt3
From Node: NSH24
To Node: NSH22
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 13.47 ft
Control Elevation: 13.47 ft
Cross Section: XOW426

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW426

Weir Link: OF1926

Scenario: Alt3
From Node: NRU0230
To Node: NRU0090
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 14.82 ft
Control Elevation: 14.82 ft
Cross Section: XOW427

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW427

Weir Link: OF1984

Scenario: Alt3
From Node: NC01
To Node: NC01B
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 5.89 ft
Control Elevation: 5.89 ft
Cross Section: XOW577

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW577

Weir Link: OF1985

Scenario: Alt3
From Node: NC01B
To Node: NC03
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 5.42 ft
Control Elevation: 5.42 ft
Cross Section: XOW576

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW576

Weir Link: OF1986

Scenario: Alt3
From Node: NC03
To Node: NC04
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 4.46 ft
Control Elevation: 4.46 ft
Cross Section: XOW565

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW565

Weir Link: OF1987

Scenario: Alt3
From Node: NC04
To Node: N10
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 3.99 ft
Control Elevation: 3.99 ft
Cross Section: XOW566

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW566

Weir Link: OF1988

Scenario: Alt3
From Node: NSH08
To Node: NSH09
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 10.57 ft
Control Elevation: 10.57 ft
Cross Section: XOW581

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW581

Weir Link: OF1989

Scenario: Alt3
From Node: NSH09
To Node: NSH07
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 10.05 ft
Control Elevation: 10.05 ft
Cross Section: XOW579

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW579

Weir Link: OF1990

Scenario: Alt3
From Node: NSH09
To Node: SH_OUTFALL
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 10.31 ft
Control Elevation: 10.31 ft
Cross Section: XOW580

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW580

Weir Link: OF1991

Scenario: Alt3
From Node: NSH07
To Node: SH_OUTFALL
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 7.98 ft
Control Elevation: 7.98 ft
Cross Section: XOW578

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW578

Weir Link: OF1992

Scenario: Alt3
From Node: NC05
To Node: NC04
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 2.83 ft
Control Elevation: 2.83 ft
Cross Section: XOW567

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW567

Weir Link: OF1993

Scenario: Alt3
From Node: NC05
To Node: N10
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 3.66 ft
Control Elevation: 3.66 ft
Cross Section: XOW575

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW575

Weir Link: OF1994

Scenario: Alt3
From Node: NC05
To Node: NC06
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 2.90 ft
Control Elevation: 2.90 ft
Cross Section: XOW568

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW568

Weir Link: OF1995

Scenario: Alt3
From Node: NC06
To Node: N10
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 3.69 ft
Control Elevation: 3.69 ft
Cross Section: XOW574

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW574

Weir Link: OF1996

Scenario: Alt3
From Node: NC07
To Node: NC06
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 2.64 ft
Control Elevation: 2.64 ft
Cross Section: XOW569

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW569

Weir Link: OF1997

Scenario: Alt3
From Node: NC08
To Node: NC07
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 2.79 ft
Control Elevation: 2.79 ft
Cross Section: XOW570

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW570

Weir Link: OF1998

Scenario: Alt3
From Node: NC07
To Node: N10
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 4.03 ft
Control Elevation: 4.03 ft
Cross Section: XOW573

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW573

Weir Link: OF1999

Scenario: Alt3
From Node: NC08
To Node: N10
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 3.98 ft
Control Elevation: 3.98 ft
Cross Section: XOW572

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW572

Weir Link: OF2000

Scenario: Alt3
From Node: NC01B
To Node: N10
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 5.74 ft
Control Elevation: 5.74 ft
Cross Section: XOW583

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW583

Weir Link: OF2001

Scenario: Alt3
From Node: NC01
To Node: N10
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 6.01 ft
Control Elevation: 6.01 ft
Cross Section: XOW582

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW582

Weir Link: OF2002

Scenario: Alt3
From Node: NSH75
To Node: SH_OUTFALL
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 7.76 ft
Control Elevation: 7.76 ft
Cross Section: XOW584

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW584

Weir Link: OF2003

Scenario: Alt3
From Node: NSH44
To Node: NSH35
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 9.01 ft
Control Elevation: 9.01 ft
Cross Section: XOW421

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW421

Weir Link: OF2004

Scenario: Alt3
From Node: NSH28
To Node: NSH43
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 10.19 ft
Control Elevation: 10.19 ft
Cross Section: XOW585

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW585

Weir Link: OF2005

Scenario: Alt3
From Node: NSH21
To Node: NSH28
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 10.97 ft
Control Elevation: 10.97 ft
Cross Section: XOW587

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW587

Weir Link: OF2006

Scenario: Alt3
From Node: NSH25
To Node: NSH24
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 14.23 ft
Control Elevation: 14.23 ft
Cross Section: XOW588

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW588

Weir Link: OF2007

Scenario: Alt3
From Node: NSH23
To Node: NSH48
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.10 ft
Control Elevation: 18.10 ft
Cross Section: XOW590

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW590

Weir Link: OF2008

Scenario: Alt3
From Node: NSH11
To Node: NSH48
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.67 ft
Control Elevation: 20.67 ft
Cross Section: XOW589

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.400

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW589

Weir Link: OF2009

Scenario: Alt3
From Node: NSH13
To Node: NSH37
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.11 ft
Control Elevation: 18.11 ft
Cross Section: XOW591

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW591

Weir Link: OF2010

Scenario: Alt3
From Node: NSH41
To Node: JUNCT1
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.61 ft
Control Elevation: 18.61 ft
Cross Section: XOW593

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW593

Weir Link: OF2011

Scenario: Alt3
From Node: NSH41
To Node: NSH12
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.08 ft
Control Elevation: 19.08 ft
Cross Section: XOW592

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW592

Weir Link: OF2012

Scenario: Alt3
From Node: NSH33
To Node: NSH45
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 16.85 ft
Control Elevation: 16.85 ft
Cross Section: XOW595

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW595

Weir Link: OF2013

Scenario: Alt3
From Node: NSH33
To Node: NSH17
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.02 ft
Control Elevation: 17.02 ft
Cross Section: XOW594

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW594

Weir Link: OF2014

Scenario: Alt3
From Node: NSH13
To Node: NSH45
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.42 ft
Control Elevation: 17.42 ft
Cross Section: XOW596

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW596

Weir Link: OF2015

Scenario: Alt3
From Node: NRU0495
To Node: NRU0490
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.92 ft
Control Elevation: 20.92 ft
Cross Section: XOW597

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW597

Weir Link: OF2016

Scenario: Alt3
From Node: PondA
To Node: NSH04
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.58 ft
Control Elevation: 20.58 ft
Cross Section: XOW598

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW598

Weir Link: OF2017

Scenario: Alt3
From Node: PondA
To Node: NSH50
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.18 ft
Control Elevation: 21.18 ft
Cross Section: XOW599

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW599

Weir Link: OF2018

Scenario: Alt3
From Node: NSH50
To Node: NRU1185
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.03 ft
Control Elevation: 20.03 ft
Cross Section: XOW600

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW600

Weir Link: OF2019

Scenario: Alt3
From Node: NRU1185
To Node: NSH52
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 19.80 ft
Control Elevation: 19.80 ft
Cross Section: XOW601

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW601

Weir Link: OF2020

Scenario: Alt3
From Node: NSH55
To Node: NRU1185
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.06 ft
Control Elevation: 19.06 ft
Cross Section: XOW602

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW602

Weir Link: OF2021

Scenario: Alt3
From Node: NRU1110
To Node: NRU0785
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.57 ft
Control Elevation: 17.57 ft
Cross Section: XOW624

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW624

Weir Link: OF2022

Scenario: Alt3
From Node: NRU0490
To Node: NRU0510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.16 ft
Control Elevation: 21.16 ft
Cross Section: XOW605

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW605

Weir Link: OF2023

Scenario: Alt3
From Node: NRU0510
To Node: NRU0470
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.72 ft
Control Elevation: 20.72 ft
Cross Section: XOW606

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW606

Weir Link: OF2024

Scenario: Alt3
From Node: NRU0495
To Node: NRU0618
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.16 ft
Control Elevation: 21.16 ft
Cross Section: XOW607

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW607

Weir Link: OF2025

Scenario: Alt3
From Node: NRU0495
To Node: NRU0510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.04 ft
Control Elevation: 21.04 ft
Cross Section: XOW608

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW608

Weir Link: OF2026

Scenario: Alt3
From Node: NRU0618
To Node: NRU0616
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.24 ft
Control Elevation: 21.24 ft
Cross Section: XOW610

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW610

Weir Link: OF2027

Scenario: Alt3
From Node: NRU0618
To Node: NRU0510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.24 ft
Control Elevation: 21.24 ft
Cross Section: XOW609

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW609

Weir Link: OF2028

Scenario: Alt3
From Node: NRU0616
To Node: NRU0510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.90 ft
Control Elevation: 19.90 ft
Cross Section: XOW611

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW611

Weir Link: OF2029

Scenario: Alt3
From Node: NRU0618
To Node: NRU1220
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.78 ft
Control Elevation: 20.78 ft
Cross Section: XOW612

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW612

Weir Link: OF2030

Scenario: Alt3
From Node: NRU1220
To Node: NRU1170
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.02 ft
Control Elevation: 20.02 ft
Cross Section: XOW613

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW613

Weir Link: OF2031

Scenario: Alt3
From Node: NRU1170
To Node: NRU0690
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.20 ft
Control Elevation: 19.20 ft
Cross Section: XOW615

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW615

Weir Link: OF2032

Scenario: Alt3
From Node: NRU1150
To Node: NRU1110
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.25 ft
Control Elevation: 17.25 ft
Cross Section: XOW616

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW616

Weir Link: OF2033

Scenario: Alt3
From Node: NRU1150
To Node: NRU0690
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.10 ft
Control Elevation: 19.10 ft
Cross Section: XOW617

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW617

Weir Link: OF2034

Scenario: Alt3
From Node: NRU0690
To Node: NRU0710
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.11 ft
Control Elevation: 18.11 ft
Cross Section: XOW618

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW618

Weir Link: OF2035

Scenario: Alt3
From Node: NRU0730
To Node: NRU0710
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.96 ft
Control Elevation: 17.96 ft
Cross Section: XOW623

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW623

Weir Link: OF2036

Scenario: Alt3
From Node: NRU0740
To Node: NRU0710
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.81 ft
Control Elevation: 17.81 ft
Cross Section: XOW619

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW619

Weir Link: OF2037

Scenario: Alt3
From Node: NRU0785
To Node: NRU0750
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 15.70 ft
Control Elevation: 15.70 ft
Cross Section: XOW625

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW625

Weir Link: OF2038

Scenario: Alt3
From Node: NRU1110
To Node: NRU0750
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 16.73 ft
Control Elevation: 16.73 ft
Cross Section: XOW758

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW758

Weir Link: OF2039

Scenario: Alt3
From Node: NRU0750
To Node: NRU0745
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 16.53 ft
Control Elevation: 16.53 ft
Cross Section: XOW620

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW620

Weir Link: OF2040

Scenario: Alt3
From Node: NRU0930
To Node: NRU0890
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.78 ft
Control Elevation: 20.78 ft
Cross Section: XOW626

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.400

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW626

Weir Link: OF2041

Scenario: Alt3
From Node: NRU0890
To Node: NRU0830
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.73 ft
Control Elevation: 19.73 ft
Cross Section: XOW627

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW627

Weir Link: OF2042

Scenario: Alt3
From Node: NRU0890
To Node: NRU0970
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 18.71 ft
Control Elevation: 18.71 ft
Cross Section: XOW633

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW633

Weir Link: OF2043

Scenario: Alt3
From Node: NRU0950
To Node: NRU0955
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.60 ft
Control Elevation: 17.60 ft
Cross Section: XOW628

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW628

Weir Link: OF2044

Scenario: Alt3
From Node: NRU0890
To Node: NRU0950
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 19.22 ft
Control Elevation: 19.22 ft
Cross Section: XOW632

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW632

Weir Link: OF2045

Scenario: Alt3
From Node: NRU1050
To Node: NRU1030
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.75 ft
Control Elevation: 17.75 ft
Cross Section: XOW634

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW634

Weir Link: OF2047

Scenario: Alt3
From Node: NCL3520
To Node: JUNCT7
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.92 ft
Control Elevation: 18.92 ft
Cross Section: XOW635

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW635

Weir Link: OF2048

Scenario: Alt3
From Node: NCL3520
To Node: JUNCT8
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.96 ft
Control Elevation: 18.96 ft
Cross Section: XOW636

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW636

Weir Link: OF2049

Scenario: Alt3
From Node: NRU0965
To Node: NRU0960
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.95 ft
Control Elevation: 17.95 ft
Cross Section: XOW638

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW638

Weir Link: OF2050

Scenario: Alt3
From Node: NRU0960
To Node: NCL3470
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.68 ft
Control Elevation: 17.68 ft
Cross Section: XOW639

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW639

Weir Link: OF2051

Scenario: Alt3
From Node: NRU0965
To Node: NCL3470
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.75 ft
Control Elevation: 17.75 ft
Cross Section: XOW637

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW637

Weir Link: OF2052

Scenario: Alt3
From Node: NRU1030
To Node: NRU0965
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.05 ft
Control Elevation: 18.05 ft
Cross Section: XOW640

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW640

Weir Link: OF2053

Scenario: Alt3
From Node: NRU1040
To Node: NRU0960
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.23 ft
Control Elevation: 18.23 ft
Cross Section: XOW641

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW641

Weir Link: OF2054

Scenario: Alt3
From Node: NCL2631
To Node: NCL3630
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.35 ft
Control Elevation: 19.35 ft
Cross Section: XOW643

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW643

Weir Link: OF2055

Scenario: Alt3
From Node: NCL3630
To Node: NCL3530
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.56 ft
Control Elevation: 19.56 ft
Cross Section: XOW642

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW642

Weir Link: OF2056

Scenario: Alt3
From Node: NCL3640
To Node: NCL3630
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.75 ft
Control Elevation: 19.75 ft
Cross Section: XOW644

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW644

Weir Link: OF2057

Scenario: Alt3
From Node: NCL2590
To Node: NCL3530
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.28 ft
Control Elevation: 20.28 ft
Cross Section: XOW681

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW681

Weir Link: OF2058

Scenario: Alt3
From Node: NCL3530
To Node: NCL3510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.95 ft
Control Elevation: 19.95 ft
Cross Section: XOW654

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW654

Weir Link: OF2059

Scenario: Alt3
From Node: NCL3510
To Node: NCL3365
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.74 ft
Control Elevation: 19.74 ft
Cross Section: XOW653

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW653

Weir Link: OF2060

Scenario: Alt3
From Node: NCL3365
To Node: NCL3350
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.51 ft
Control Elevation: 20.51 ft
Cross Section: XOW651

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW651

Weir Link: OF2061

Scenario: Alt3
From Node: NCL3365
To Node: NCL3300
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.05 ft
Control Elevation: 20.05 ft
Cross Section: XOW652

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW652

Weir Link: OF2062

Scenario: Alt3
From Node: NCL3300
To Node: NCL3290
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.50 ft
Control Elevation: 20.50 ft
Cross Section: XOW670

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW670

Weir Link: OF2063

Scenario: Alt3
From Node: NCL3530
To Node: NCL3370
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.96 ft
Control Elevation: 19.96 ft
Cross Section: XOW655

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW655

Weir Link: OF2064

Scenario: Alt3
From Node: NCL3370
To Node: NCL3350
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.45 ft
Control Elevation: 20.45 ft
Cross Section: XOW650

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW650

Weir Link: OF2065

Scenario: Alt3
From Node: NCL3370
To Node: NCL3390
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.54 ft
Control Elevation: 20.54 ft
Cross Section: XOW649

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW649

Weir Link: OF2066

Scenario: Alt3
From Node: NCL3350
To Node: NCL3290
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.33 ft
Control Elevation: 20.33 ft
Cross Section: XOW672

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW672

Weir Link: OF2067

Scenario: Alt3
From Node: NCL3490
To Node: NCL3300
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.37 ft
Control Elevation: 19.37 ft
Cross Section: XOW673

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW673

Weir Link: OF2068

Scenario: Alt3
From Node: NCL3300
To Node: NCL3470
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.40 ft
Control Elevation: 19.40 ft
Cross Section: XOW674

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW674

Weir Link: OF2069

Scenario: Alt3
From Node: NRU1050
To Node: NRU0965
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.37 ft
Control Elevation: 18.37 ft
Cross Section: XOW675

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW675

Weir Link: OF2070

Scenario: Alt3
From Node: NCL3290
To Node: NCL3280
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.10 ft
Control Elevation: 20.10 ft
Cross Section: XOW669

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW669

Weir Link: OF2071

Scenario: Alt3
From Node: NCL3280
To Node: NCL3270
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.93 ft
Control Elevation: 19.93 ft
Cross Section: XOW667

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW667

Weir Link: OF2072

Scenario: Alt3
From Node: NCL3170
To Node: NCL3190
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.64 ft
Control Elevation: 19.64 ft
Cross Section: XOW661

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW661

Weir Link: OF2073

Scenario: Alt3
From Node: NCL3210
To Node: NCL3190
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.43 ft
Control Elevation: 19.43 ft
Cross Section: XOW671

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW671

Weir Link: OF2074

Scenario: Alt3
From Node: NCL3230
To Node: NCL3210
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.75 ft
Control Elevation: 19.75 ft
Cross Section: XOW645

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW645

Weir Link: OF2075

Scenario: Alt3
From Node: NCL3360
To Node: NCL3230
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.23 ft
Control Elevation: 20.23 ft
Cross Section: XOW647

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW647

Weir Link: OF2076

Scenario: Alt3
From Node: NCL3350
To Node: NCL3360
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.52 ft
Control Elevation: 20.52 ft
Cross Section: XOW648

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW648

Weir Link: OF2077

Scenario: Alt3
From Node: NCL3230
To Node: NCL3190
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.73 ft
Control Elevation: 19.73 ft
Cross Section: XOW646

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW646

Weir Link: OF2078

Scenario: Alt3
From Node: NCL2510
To Node: NCL3390
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.49 ft
Control Elevation: 20.49 ft
Cross Section: XOW685

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW685

Weir Link: OF2079

Scenario: Alt3
From Node: NCL2510
To Node: NCL2490
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.55 ft
Control Elevation: 21.55 ft
Cross Section: XOW691

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW691

Weir Link: OF2080

Scenario: Alt3
From Node: NCL2490
To Node: NCL2430
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.99 ft
Control Elevation: 21.99 ft
Cross Section: XOW694

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW694

Weir Link: OF2081

Scenario: Alt3
From Node: NCL2430
To Node: NCL2410
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 22.45 ft
Control Elevation: 22.45 ft
Cross Section: XOW695

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW695

Weir Link: OF2082

Scenario: Alt3
From Node: NCL2910
To Node: NCL2890
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.81 ft
Control Elevation: 19.81 ft
Cross Section: XOW693

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW693

Weir Link: OF2083

Scenario: Alt3
From Node: NCL2890
To Node: NCL2850
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.35 ft
Control Elevation: 21.35 ft
Cross Section: XOW659

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW659

Weir Link: OF2084

Scenario: Alt3
From Node: NCL2910
To Node: NCL3210
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.45 ft
Control Elevation: 20.45 ft
Cross Section: XOW658

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW658

Weir Link: OF2085

Scenario: Alt3
From Node: NCL2910
To Node: NCL3230
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.58 ft
Control Elevation: 20.58 ft
Cross Section: XOW656

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW656

Weir Link: OF2086

Scenario: Alt3
From Node: NCL3390
To Node: NCL3230
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.62 ft
Control Elevation: 20.62 ft
Cross Section: XOW657

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW657

Weir Link: OF2087

Scenario: Alt3
From Node: NCL2890
To Node: NCL3110
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.96 ft
Control Elevation: 20.96 ft
Cross Section: XOW660

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW660

Weir Link: OF2088

Scenario: Alt3
From Node: NCL3170
To Node: NCL3110
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.55 ft
Control Elevation: 21.55 ft
Cross Section: XOW664

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW664

Weir Link: OF2089

Scenario: Alt3
From Node: NCL3170
To Node: NCL3150
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.65 ft
Control Elevation: 19.65 ft
Cross Section: XOW668

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW668

Weir Link: OF2090

Scenario: Alt3
From Node: NCL3150
To Node: NCL3250
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.66 ft
Control Elevation: 19.66 ft
Cross Section: XOW754

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW754

Weir Link: OF2091

Scenario: Alt3
From Node: NCL3150
To Node: NCL3090
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.74 ft
Control Elevation: 19.74 ft
Cross Section: XOW730

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW730

Weir Link: OF2092

Scenario: Alt3
From Node: NCL3210
To Node: NCL3110
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.13 ft
Control Elevation: 21.13 ft
Cross Section: XOW663

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW663

Weir Link: OF2093

Scenario: Alt3
From Node: NRU1010
To Node: NRU0970
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.43 ft
Control Elevation: 18.43 ft
Cross Section: XOW676

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW676

Weir Link: OF2095

Scenario: Alt3
From Node: NCL3640
To Node: NCL2631
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.75 ft
Control Elevation: 19.75 ft
Cross Section: XOW677

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW677

Weir Link: OF2096

Scenario: Alt3
From Node: NCL2630
To Node: NCL2610
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.57 ft
Control Elevation: 20.57 ft
Cross Section: XOW678

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW678

Weir Link: OF2097

Scenario: Alt3
From Node: NCL2610
To Node: NCL3630
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.55 ft
Control Elevation: 20.55 ft
Cross Section: XOW679

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW679

Weir Link: OF2098

Scenario: Alt3
From Node: NCL2610
To Node: NCL2590
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.40 ft
Control Elevation: 20.40 ft
Cross Section: XOW680

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW680

Weir Link: OF2099

Scenario: Alt3
From Node: NCL2550
To Node: NCL2580
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.47 ft
Control Elevation: 20.47 ft
Cross Section: XOW682

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW682

Weir Link: OF2100

Scenario: Alt3
From Node: NCL2550
To Node: NCL2590
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.49 ft
Control Elevation: 20.49 ft
Cross Section: XOW683

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW683

Weir Link: OF2101

Scenario: Alt3
From Node: NCL2550
To Node: NCL2530
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.49 ft
Control Elevation: 20.49 ft
Cross Section: XOW684

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW684

Weir Link: OF2102

Scenario: Alt3
From Node: NCL2540
To Node: NCL2530
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.22 ft
Control Elevation: 21.22 ft
Cross Section: XOW687

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW687

Weir Link: OF2103

Scenario: Alt3
From Node: NCL2540
To Node: NCL2780
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.76 ft
Control Elevation: 21.76 ft
Cross Section: XOW689

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW689

Weir Link: OF2104

Scenario: Alt3
From Node: NCL2540
To Node: NCL2510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.42 ft
Control Elevation: 21.42 ft
Cross Section: XOW688

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW688

Weir Link: OF2105

Scenario: Alt3
From Node: NCL2530
To Node: NCL2510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.05 ft
Control Elevation: 20.05 ft
Cross Section: XOW686

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW686

Weir Link: OF2106

Scenario: Alt3
From Node: NCL2790
To Node: NCL2550
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.68 ft
Control Elevation: 21.68 ft
Cross Section: XOW690

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW690

Weir Link: OF2107

Scenario: Alt3
From Node: NCL2510
To Node: NCL2910
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.49 ft
Control Elevation: 20.49 ft
Cross Section: XOW692

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW692

Weir Link: OF2108

Scenario: Alt3
From Node: NCL2430
To Node: NCL2850
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 22.31 ft
Control Elevation: 22.31 ft
Cross Section: XOW696

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW696

Weir Link: OF2109

Scenario: Alt3
From Node: NRU2550
To Node: NRU0180
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 16.01 ft
Control Elevation: 16.01 ft
Cross Section: XOW429

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW429

Weir Link: OF2110

Scenario: Alt3
From Node: NRU0550
To Node: NRU2590
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.47 ft
Control Elevation: 18.47 ft
Cross Section: XOW697

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW697

Weir Link: OF2111

Scenario: Alt3
From Node: NRU0550
To Node: NRU2570
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.05 ft
Control Elevation: 18.05 ft
Cross Section: XOW698

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW698

Weir Link: OF2112

Scenario: Alt3
From Node: NRU0550
To Node: NRU0570
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.19 ft
Control Elevation: 18.19 ft
Cross Section: XOW699

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW699

Weir Link: OF2113

Scenario: Alt3
From Node: NRU0570
To Node: NRU0590
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.25 ft
Control Elevation: 19.25 ft
Cross Section: XOW700

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW700

Weir Link: OF2114

Scenario: Alt3
From Node: NRU0610
To Node: NRU0590
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.38 ft
Control Elevation: 19.38 ft
Cross Section: XOW701

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW701

Weir Link: OF2115

Scenario: Alt3
From Node: NRU0612
To Node: NRU0610
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.28 ft
Control Elevation: 19.28 ft
Cross Section: XOW702

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW702

Weir Link: OF2116

Scenario: Alt3
From Node: NRU0630
To Node: NRU0612
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.74 ft
Control Elevation: 19.74 ft
Cross Section: XOW703

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW703

Weir Link: OF2117

Scenario: Alt3
From Node: NRU0630
To Node: NRU0650
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.16 ft
Control Elevation: 19.16 ft
Cross Section: XOW704

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW704

Weir Link: OF2118

Scenario: Alt3
From Node: NRU0690
To Node: NRU0650
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 18.91 ft
Control Elevation: 18.91 ft
Cross Section: XOW705

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW705

Weir Link: OF2119

Scenario: Alt3
From Node: NRU0612
To Node: NBW2310
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.33 ft
Control Elevation: 20.33 ft
Cross Section: XOW706

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW706

Weir Link: OF2120

Scenario: Alt3
From Node: NRU0612
To Node: NRU2650
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.06 ft
Control Elevation: 20.06 ft
Cross Section: XOW707

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW707

Weir Link: OF2121

Scenario: Alt3
From Node: NBW2310
To Node: NRU2650
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.40 ft
Control Elevation: 19.40 ft
Cross Section: XOW724

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW724

Weir Link: OF2122

Scenario: Alt3
From Node: NBW2330
To Node: NBW2310
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.84 ft
Control Elevation: 18.84 ft
Cross Section: XOW723

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW723

Weir Link: OF2123

Scenario: Alt3
From Node: NBW2230
To Node: NBW2290
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.14 ft
Control Elevation: 19.14 ft
Cross Section: XOW708

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW708

Weir Link: OF2124

Scenario: Alt3
From Node: NBW2290
To Node: NBW2310
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.62 ft
Control Elevation: 19.62 ft
Cross Section: XOW722

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW722

Weir Link: OF2125

Scenario: Alt3
From Node: NBW2290
To Node: NBW2270
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.56 ft
Control Elevation: 19.56 ft
Cross Section: XOW721

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW721

Weir Link: OF2126

Scenario: Alt3
From Node: NBW2270
To Node: NBW2250
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.96 ft
Control Elevation: 19.96 ft
Cross Section: XOW720

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW720

Weir Link: OF2127

Scenario: Alt3
From Node: NBW2250
To Node: NBW2210
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.70 ft
Control Elevation: 19.70 ft
Cross Section: XOW719

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW719

Weir Link: OF2128

Scenario: Alt3
From Node: NBW2210
To Node: NBW2230
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.41 ft
Control Elevation: 19.41 ft
Cross Section: XOW718

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW718

Weir Link: OF2129

Scenario: Alt3
From Node: NBW2210
To Node: NBW2150
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.40 ft
Control Elevation: 19.40 ft
Cross Section: XOW717

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW717

Weir Link: OF2130

Scenario: Alt3
From Node: NBW2150
To Node: NBW2230
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.30 ft
Control Elevation: 19.30 ft
Cross Section: XOW716

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW716

Weir Link: OF2131

Scenario: Alt3
From Node: NBW2150
To Node: NBW2070
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.29 ft
Control Elevation: 19.29 ft
Cross Section: XOW710

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW710

Weir Link: OF2132

Scenario: Alt3
From Node: NBW2060
To Node: NBW2070
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.70 ft
Control Elevation: 19.70 ft
Cross Section: XOW712

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW712

Weir Link: OF2133

Scenario: Alt3
From Node: NBW2060
To Node: NBW2050
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.17 ft
Control Elevation: 19.17 ft
Cross Section: XOW715

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW715

Weir Link: OF2134

Scenario: Alt3
From Node: NBW2060
To Node: NBW2150
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.60 ft
Control Elevation: 19.60 ft
Cross Section: XOW711

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW711

Weir Link: OF2137

Scenario: Alt3
From Node: NBW2330
To Node: NBW1860
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.08 ft
Control Elevation: 20.08 ft
Cross Section: XOW727

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW727

Weir Link: OF2138

Scenario: Alt3
From Node: NBW2060
To Node: NBW2010
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.74 ft
Control Elevation: 19.74 ft
Cross Section: XOW713

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW713

Weir Link: OF2139

Scenario: Alt3
From Node: NBW2060
To Node: NBW1990
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.51 ft
Control Elevation: 19.51 ft
Cross Section: XOW714

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW714

Weir Link: OF2140

Scenario: Alt3
From Node: NBW2050
To Node: NBW1990
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.55 ft
Control Elevation: 19.55 ft
Cross Section: XOW728

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW728

Weir Link: OF2141

Scenario: Alt3
From Node: NBW2050
To Node: NCL3090
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.16 ft
Control Elevation: 19.16 ft
Cross Section: XOW729

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW729

Weir Link: OF2142

Scenario: Alt3
From Node: NCL2850
To Node: NCL3050
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.40 ft
Control Elevation: 21.40 ft
Cross Section: XOW731

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW731

Weir Link: OF2143

Scenario: Alt3
From Node: NCL2850
To Node: NCL2370
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.68 ft
Control Elevation: 21.68 ft
Cross Section: XOW732

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW732

Weir Link: OF2144

Scenario: Alt3
From Node: NCL2750
To Node: NCL2510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 22.23 ft
Control Elevation: 22.23 ft
Cross Section: XOW733

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW733

Weir Link: OF2145

Scenario: Alt3
From Node: NCL2750
To Node: NCL2730
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 22.79 ft
Control Elevation: 22.79 ft
Cross Section: XOW734

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW734

Weir Link: OF2149

Scenario: Alt3
From Node: NCL2770
To Node: NCL2750
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 22.66 ft
Control Elevation: 22.66 ft
Cross Section: XOW736

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW736

Weir Link: OF2150

Scenario: Alt3
From Node: NCL2790
To Node: NCL2780
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 22.04 ft
Control Elevation: 22.04 ft
Cross Section: XOW737

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW737

Weir Link: OF2151

Scenario: Alt3
From Node: NCL2790
To Node: NCL2540
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.45 ft
Control Elevation: 21.45 ft
Cross Section: XOW738

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW738

Weir Link: OF2152

Scenario: Alt3
From Node: NCL2780
To Node: NCL2750
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 22.84 ft
Control Elevation: 22.84 ft
Cross Section: XOW739

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW739

Weir Link: OF2153

Scenario: Alt3
From Node: NCL4010
To Node: JUNCT9
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 29.15 ft
Control Elevation: 29.15 ft
Cross Section: XOW741

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW741

Weir Link: OF2154

Scenario: Alt3
From Node: NCL4000
To Node: JUNCT9
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 29.29 ft
Control Elevation: 29.29 ft
Cross Section: XOW740

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW740

Weir Link: OF2155

Scenario: Alt3
From Node: NCL2830
To Node: NCL2810
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 22.97 ft
Control Elevation: 22.97 ft
Cross Section: XOW742

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW742

Weir Link: OF2156

Scenario: Alt3
From Node: NCL2810
To Node: NCL2790
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 22.44 ft
Control Elevation: 22.44 ft
Cross Section: XOW743

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW743

Weir Link: OF2157

Scenario: Alt3
From Node: NCL2830
To Node: NCL2590
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 23.07 ft
Control Elevation: 23.07 ft
Cross Section: XOW744

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW744

Weir Link: OF2158

Scenario: Alt3
From Node: NCL2830
To Node: Outfall_NE
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 23.10 ft
Control Elevation: 23.10 ft
Cross Section: XOW745

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW745

Weir Link: OF2159

Scenario: Alt3
From Node: NBW2130
To Node: NBW2110
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.55 ft
Control Elevation: 17.55 ft
Cross Section: XOW747

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW747

Weir Link: OF2160

Scenario: Alt3
From Node: NRU0830
To Node: NBW2130
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.96 ft
Control Elevation: 17.96 ft
Cross Section: XOW746

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW746

Weir Link: OF2161

Scenario: Alt3
From Node: NBW2110
To Node: NBW2090
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.38 ft
Control Elevation: 18.38 ft
Cross Section: XOW748

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW748

Weir Link: OF2162

Scenario: Alt3
From Node: NBW2110
To Node: NRU0790
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.58 ft
Control Elevation: 17.58 ft
Cross Section: XOW749

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW749

Weir Link: OF2163

Scenario: Alt3
From Node: NBW2090
To Node: NBW2190
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.97 ft
Control Elevation: 19.97 ft
Cross Section: XOW750

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW750

Weir Link: OF2164

Scenario: Alt3
From Node: NBW2090
To Node: NBW2070
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.85 ft
Control Elevation: 19.85 ft
Cross Section: XOW751

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW751

Weir Link: OF2165

Scenario: Alt3
From Node: NBW2170
To Node: NBW2150
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.04 ft
Control Elevation: 20.04 ft
Cross Section: XOW709

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW709

Weir Link: OF2166

Scenario: Alt3
From Node: NBW2070
To Node: NBW2050
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.37 ft
Control Elevation: 18.37 ft
Cross Section: XOW752

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW752

Weir Link: OF2167

Scenario: Alt3
From Node: NCL3150
To Node: NBW2070
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.91 ft
Control Elevation: 18.91 ft
Cross Section: XOW753

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW753

Weir Link: OF2168

Scenario: Alt3
From Node: NCL3370
To Node: NCL3365
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.47 ft
Control Elevation: 20.47 ft
Cross Section: XOW756

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW756

Weir Link: OF2169

Scenario: Alt3
From Node: NCL3530
To Node: NCL3365
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.38 ft
Control Elevation: 20.38 ft
Cross Section: XOW755

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW755

Weir Link: OF2170

Scenario: Alt3
From Node: NRU0615
To Node: JUNCT3
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.87 ft
Control Elevation: 19.87 ft
Cross Section: XOW760

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW760

Weir Link: OF2171

Scenario: Alt3
From Node: NRU0620
To Node: NRU0615
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.99 ft
Control Elevation: 19.99 ft
Cross Section: XOW759

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW759

Weir Link: OF2172

Scenario: Alt3
From Node: NRU0345
To Node: NRU0340
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.98 ft
Control Elevation: 18.98 ft
Cross Section: XOW762

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW762

Weir Link: OF2173

Scenario: Alt3
From Node: NRU0350
To Node: NRU0340
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.40 ft
Control Elevation: 19.40 ft
Cross Section: XOW761

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW761

Weir Link: OF2174

Scenario: Alt3
From Node: NRU0340
To Node: NRU0290
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.00 ft
Control Elevation: 18.00 ft
Cross Section: XOW763

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW763

Weir Link: OF2175

Scenario: Alt3
From Node: NRU0290
To Node: NRU0270
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.86 ft
Control Elevation: 17.86 ft
Cross Section: XOW764

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW764

Weir Link: OF2176

Scenario: Alt3
From Node: NRU0270
To Node: JUNCT6
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 14.87 ft
Control Elevation: 14.87 ft
Cross Section: XOW767

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW767

Weir Link: OF2177

Scenario: Alt3
From Node: NRU0250
To Node: NRU0170
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 14.22 ft
Control Elevation: 14.22 ft
Cross Section: XOW768

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW768

Weir Link: OF2178

Scenario: Alt3
From Node: NRU0170
To Node: NRU0190
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 16.10 ft
Control Elevation: 16.10 ft
Cross Section: XOW769

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW769

Weir Link: OF2179

Scenario: Alt3
From Node: NRU0180
To Node: NRU1510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 16.45 ft
Control Elevation: 16.45 ft
Cross Section: XOW770

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW770

Weir Link: OF2180

Scenario: Alt3
From Node: NRU0310
To Node: NRU0270
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 17.85 ft
Control Elevation: 17.85 ft
Cross Section: XOW766

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW766

Weir Link: OF2181

Scenario: Alt3
From Node: NC08
To Node: N10
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 2.73 ft
Control Elevation: 2.73 ft
Cross Section: XOW571

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW571

Weir Link: OF2182

Scenario: Alt3
From Node: NRU1170
To Node: NRU1150
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.31 ft
Control Elevation: 18.31 ft
Cross Section: XOW614

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment: XOW614

Weir Link: OF2185

Scenario: Alt3
From Node: NRU0710
To Node: NRU0750
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.86 ft
Control Elevation: 18.86 ft
Cross Section: XOW771

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW771

Weir Link: OF2186

Scenario: Alt3
From Node: NCL3630
To Node: NCL3520
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.61 ft
Control Elevation: 19.61 ft
Cross Section: XOW773

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: XOW773

Weir Link: OF2187

Scenario: Alt3
From Node: JUNCT7
To Node: JUNCT8
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.13 ft
Control Elevation: 19.13 ft
Cross Section: XOW774

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW774

Weir Link: OF2188

Scenario: Alt3
From Node: NCL3510
To Node: JUNCT7
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.42 ft
Control Elevation: 19.42 ft
Cross Section: XOW775

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: XOW775

Weir Link: OF2550

Scenario: Alt3
From Node: NCL2550
To Node: NCL3370
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 21.50 ft
Control Elevation: 21.50 ft
Cross Section: XOW2550

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF3000

Scenario: Alt3
From Node: NCL2840
To Node: NCL2810
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 23.35 ft
Control Elevation: 23.35 ft
Cross Section: XOW781

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF3001

Scenario: Alt3
From Node: NCL2840
To Node: NCL2790
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 23.26 ft
Control Elevation: 23.26 ft
Cross Section: XOW782

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF3002

Scenario: Alt3
From Node: NSH26
To Node: NSH44
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 13.35 ft
Control Elevation: 13.35 ft
Cross Section: XOW784

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF3003

Scenario: Alt3
From Node: NSH26
To Node: NSH34
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 13.62 ft
Control Elevation: 13.62 ft
Cross Section: XOW783

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF3004

Scenario: Alt3
From Node: NSH14
To Node: NSH22
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.75 ft
Control Elevation: 17.75 ft
Cross Section: XOW796

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF3005

Scenario: Alt3
From Node: N08A
To Node: N09
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 15.55 ft
Control Elevation: 15.55 ft
Cross Section: XOW776

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF3006

Scenario: Alt3
From Node: N09
To Node: NC02
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 13.56 ft
Control Elevation: 13.56 ft
Cross Section: XOW787

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF3007

Scenario: Alt3
From Node: N08A
To Node: NC02
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 16.04 ft
Control Elevation: 16.04 ft
Cross Section: XOW786

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF3008

Scenario: Alt3
From Node: NCL3640
To Node: NRU1070
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.34 ft
Control Elevation: 20.34 ft
Cross Section: XOW788

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF3009

Scenario: Alt3
From Node: NCL3670
To Node: NCL3450
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.38 ft
Control Elevation: 19.38 ft
Cross Section: XOW801

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF3010

Scenario: Alt3
From Node: NRU2630
To Node: NRU2610
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.83 ft
Control Elevation: 18.83 ft
Cross Section: XOW785

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF3011

Scenario: Alt3
From Node: NRU0176
To Node: NRU0165
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 15.99 ft
Control Elevation: 15.99 ft
Cross Section: XOW792

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF3012

Scenario: Alt3
From Node: NRU0176
To Node: NRU1390
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 16.16 ft
Control Elevation: 16.16 ft
Cross Section: XOW799

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF3013

Scenario: Alt3
From Node: NRU0176
To Node: NRU1390
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 16.49 ft
Control Elevation: 16.49 ft
Cross Section: XOW797

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF3014

Scenario: Alt3
From Node: NRU0165
To Node: NRU0190
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.63 ft
Control Elevation: 17.63 ft
Cross Section: XOW795

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF3015

Scenario: Alt3
From Node: NRU0165
To Node: NRU0170
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 17.81 ft
Control Elevation: 17.81 ft
Cross Section: XOW793

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF3016

Scenario: Alt3
From Node: NRU0345
To Node: NRU0335
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.68 ft
Control Elevation: 19.68 ft
Cross Section: XOW798

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF3017

Scenario: Alt3
From Node: NRU1220
To Node: NRU0650
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.19 ft
Control Elevation: 20.19 ft
Cross Section: XOW790

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF3019

Scenario: Alt3
From Node: NRU0370
To Node: NRU0350
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.05 ft
Control Elevation: 19.05 ft
Cross Section: XOW779

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF3020

Scenario: Alt3
From Node: NSH51
To Node: E_Outlet2
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.53 ft
Control Elevation: 19.53 ft
Cross Section: XOW780

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF3021

Scenario: Alt3
From Node: NRU1070
To Node: E_Outlet2
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 19.90 ft
Control Elevation: 19.90 ft
Cross Section: XOW777

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF3022

Scenario: Alt3
From Node: N11
To Node: E_Outlet
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 16.83 ft
Control Elevation: 16.83 ft
Cross Section: XOW778

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4000

Scenario: Alt3
From Node: NRU0740
To Node: NRU0745
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 16.93 ft
Control Elevation: 16.93 ft
Cross Section: OF4000

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4001

Scenario: Alt3
From Node: NBW2145
To Node: NBW2130
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 19.13 ft
Control Elevation: 19.13 ft
Cross Section: OF4001

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4002

Scenario: Alt3
From Node: NBW2145
To Node: NRU0790
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 19.24 ft
Control Elevation: 19.24 ft
Cross Section: OF4002

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4003

Scenario: Alt3
From Node: NRU0830
To Node: NRU1010
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.04 ft
Control Elevation: 20.04 ft
Cross Section: OF4003

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4004

Scenario: Alt3
From Node: NRU1010
To Node: NRU1240
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.28 ft
Control Elevation: 20.28 ft
Cross Section: OF4004

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4005

Scenario: Alt3
From Node: NRU1010
To Node: NSH57
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.23 ft
Control Elevation: 20.23 ft
Cross Section: OF4005

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4006

Scenario: Alt3
From Node: NRU0830
To Node: NRU1240
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 19.94 ft
Control Elevation: 19.94 ft
Cross Section: OF4006

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4007

Scenario: Alt3
From Node: NCL3740
To Node: NCL3730
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 17.78 ft
Control Elevation: 17.78 ft
Cross Section: OF4007

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4008

Scenario: Alt3

From Node: NCL3730

To Node: NRU0950

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 17.55 ft

Control Elevation: 17.55 ft

Cross Section: OF4008

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4009

Scenario: Alt3

From Node: NCL3730

To Node: NRU0850

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Irregular

Invert: 17.03 ft

Control Elevation: 17.03 ft

Cross Section: OF4009

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4010

Scenario: Alt3
From Node: NCL3730
To Node: NBW2130
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 18.10 ft
Control Elevation: 18.10 ft
Cross Section: OF4010

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4011

Scenario: Alt3
From Node: NCL3730
To Node: NCL3450
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 18.07 ft
Control Elevation: 18.07 ft
Cross Section: OF4011

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4012

Scenario: Alt3
From Node: NCL3450
To Node: NBW2110
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 17.94 ft
Control Elevation: 17.94 ft
Cross Section: OF4012

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4013

Scenario: Alt3
From Node: NCL3740
To Node: NRU0955
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 17.59 ft
Control Elevation: 17.59 ft
Cross Section: OF4013

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4014

Scenario: Alt3
From Node: NCL3250
To Node: NBW2110
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 18.79 ft
Control Elevation: 18.79 ft
Cross Section: OF4014

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4015

Scenario: Alt3
From Node: NCL3350
To Node: NCL3190
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.33 ft
Control Elevation: 20.33 ft
Cross Section: OF4015

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4016

Scenario: Alt3
From Node: NCL2510
To Node: NCL2910
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 21.36 ft
Control Elevation: 21.36 ft
Cross Section: OF4016

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4017

Scenario: Alt3
From Node: NCL2530
To Node: NCL3390
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.85 ft
Control Elevation: 20.85 ft
Cross Section: OF4017

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4018

Scenario: Alt3
From Node: NCL2530
To Node: NCL3370
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.92 ft
Control Elevation: 20.92 ft
Cross Section: OF4018

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4019

Scenario: Alt3
From Node: NCL3520
To Node: NRU1050
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 19.18 ft
Control Elevation: 19.18 ft
Cross Section: OF4019

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4020

Scenario: Alt3
From Node: NRU1070
To Node: NRU1050
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 19.21 ft
Control Elevation: 19.21 ft
Cross Section: OF4020

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4021

Scenario: Alt3
From Node: JUNCT7B
To Node: NCL3490
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 18.25 ft
Control Elevation: 18.25 ft
Cross Section: OF4021

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4022

Scenario: Alt3
From Node: JUNCT8B
To Node: JUNCT7B
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 18.26 ft
Control Elevation: 18.26 ft
Cross Section: OF4022

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4023

Scenario: Alt3
From Node: NCL2590
To Node: NCL3630
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.89 ft
Control Elevation: 20.89 ft
Cross Section: OF4023

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4024

Scenario: Alt3
From Node: NCL2630
To Node: NCL3640
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.38 ft
Control Elevation: 20.38 ft
Cross Section: OF4024

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4025

Scenario: Alt3
From Node: NRU0790
To Node: NRU0785
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 16.23 ft
Control Elevation: 16.23 ft
Cross Section: XOW800

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4026

Scenario: Alt3
From Node: NCL3670
To Node: NBW2110
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.95 ft
Control Elevation: 18.95 ft
Cross Section: XOW802

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4027

Scenario: Alt3
From Node: NSH55B
To Node: NSH55
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.99 ft
Control Elevation: 18.99 ft
Cross Section: OF4027

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4028

Scenario: Alt3
From Node: NSH53
To Node: NSH52
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 18.33 ft
Control Elevation: 18.33 ft
Cross Section: OF4028

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4029

Scenario: Alt3
From Node: NSH43
To Node: NSH75
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 7.68 ft
Control Elevation: 7.68 ft
Cross Section: XOW853

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4050

Scenario: Alt3
From Node: NSH37
To Node: NSH17
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 17.87 ft
Control Elevation: 17.87 ft
Cross Section: XOW910

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: OF4051

Scenario: Alt3
From Node: NSH14
To Node: NSH17
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 17.73 ft
Control Elevation: 17.73 ft
Cross Section: XOW911

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4060

Scenario: Alt3
From Node: NCL2790
To Node: JUNCT10
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.35 ft
Control Elevation: 21.35 ft
Cross Section: XOW920

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4061

Scenario: Alt3
From Node: NRU0180
To Node: NRU1510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 15.72 ft
Control Elevation: 15.72 ft
Cross Section: XOW921

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OF4062

Scenario: Alt3
 From Node: NSH26
 To Node: NSH27
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 13.42 ft
 Control Elevation: 13.42 ft
 Cross Section: XOW922

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: OF4070

Scenario: Alt3
 From Node: NCL3450
 To Node: NCL3730
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 17.34 ft
 Control Elevation: 17.34 ft
 Cross Section: XOW930

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: OutBox1

Scenario: Alt3
 From Node: Shamrock2
 To Node: Outfall
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 334.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec

Upstream

Invert: -1.12 ft
 Manning's N: 0.0140
 Geometry: Rectangular
 Max Depth: 4.00 ft
 Max Width: 5.00 ft
 Fillet: 0.00 ft

Downstream

Invert: -1.23 ft
 Manning's N: 0.0140
 Geometry: Rectangular
 Max Depth: 4.00 ft
 Max Width: 5.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Energy Switch: Energy

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: OutBox2

Upstream

Downstream

Scenario: Alt3

Invert: -1.12 ft

Invert: -1.23 ft

From Node: Shamrock2

Manning's N: 0.0140

Manning's N: 0.0140

To Node: Outfall

Geometry: Rectangular

Geometry: Rectangular

Link Count: 1

Max Depth: 4.00 ft

Max Depth: 4.00 ft

Flow Direction: Both

Max Width: 5.00 ft

Max Width: 5.00 ft

Damping: 0.0000 ft

Fillet: 0.00 ft

Fillet: 0.00 ft

Length: 334.00 ft

Bottom Clip

FHWA Code: 0

Default: 0.00 ft

Default: 0.00 ft

Entr Loss Coef: 0.00

Op Table:

Op Table:

Exit Loss Coef: 0.00

Ref Node:

Ref Node:

Bend Loss Coef: 0.00

Manning's N: 0.0000

Manning's N: 0.0000

Bend Location: 0.00 dec

Top Clip

Energy Switch: Energy

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: P01A

Upstream

Downstream

Scenario: Alt3

Invert: 15.08 ft

Invert: 14.80 ft

From Node: N01A

Manning's N: 0.0120

Manning's N: 0.0120

To Node: PondA

Geometry: Circular

Geometry: Circular

Link Count: 1

Max Depth: 1.58 ft

Max Depth: 1.58 ft

Flow Direction: Both

Bottom Clip

Damping: 0.0000 ft

Default: 0.00 ft

Default: 0.00 ft

Length: 92.00 ft

Op Table:

Op Table:

FHWA Code: 0

Ref Node:

Ref Node:

Entr Loss Coef: 0.50

Manning's N: 0.0000

Manning's N: 0.0000

Exit Loss Coef: 1.00

Top Clip

Bend Loss Coef: 0.00

Default: 0.00 ft

Default: 0.00 ft

Bend Location: 0.00 dec

Op Table:

Op Table:

Energy Switch: Energy

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Field

Pipe Link: P02		Upstream	Downstream
Scenario:	Alt3	Invert: 12.71 ft	Invert: 10.97 ft
From Node:	N02	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	N05	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	70.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: CityPlans			

Pipe Link: P03		Upstream	Downstream
Scenario:	Alt3	Invert: 16.00 ft	Invert: 12.71 ft
From Node:	N03	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	N02	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	175.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: CityPlans, Field			

Pipe Link: P04		Upstream	Downstream
Scenario:	Alt3	Invert: 16.60 ft	Invert: 15.14 ft
From Node:	N04	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	N05	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	171.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Selmon Plans, CityPlans, Field

Pipe Link: P05	Upstream	Downstream
Scenario: Alt3	Invert: 10.71 ft	Invert: 10.55 ft
From Node: N05	Manning's N: 0.0120	Manning's N: 0.0120
To Node: PondB	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 3.58 ft	Max Depth: 3.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 120.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: CityPlans

Pipe Link: P06	Upstream	Downstream
Scenario: Alt3	Invert: 9.63 ft	Invert: 5.59 ft
From Node: N06	Manning's N: 0.0120	Manning's N: 0.0120
To Node: N07A	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 1300.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: P07C	Upstream	Downstream
Scenario: Alt3	Invert: 5.59 ft	Invert: 2.99 ft

From Node:	N07A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N08A	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	610.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory

Pipe Link: P08C	Upstream	Downstream
Scenario: Alt3	Invert: 2.99 ft	Invert: 1.88 ft
From Node: N08A	Manning's N: 0.0120	Manning's N: 0.0120
To Node: N09A	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 150.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: P09A	Upstream	Downstream
Scenario: Alt3	Invert: 7.50 ft	Invert: 7.14 ft
From Node: N09	Manning's N: 0.0120	Manning's N: 0.0120
To Node: N09A	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 32.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:

Energy Switch: Energy	Ref Node: Manning's N: 0.0000	Ref Node: Manning's N: 0.0000
Comment: Inventory		

Pipe Link: P09B	Upstream	Downstream
Scenario: Alt3	Invert: 1.88 ft	Invert: 0.38 ft
From Node: N09A	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NC02	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 300.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: PC01	Upstream	Downstream
Scenario: Alt3	Invert: 2.65 ft	Invert: 0.25 ft
From Node: NC01	Manning's N: 0.0120	Manning's N: 0.0120
To Node: N10	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 148.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: PC01B	Upstream	Downstream
Scenario: Alt3	Invert: 4.18 ft	Invert: 1.93 ft
From Node: NC01B	Manning's N: 0.0240	Manning's N: 0.0240
To Node: NC03	Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	333.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory					

Pipe Link: PC02	Upstream	Downstream
Scenario: Alt3	Invert: 0.38 ft	Invert: -1.91 ft
From Node: NC02	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NC03	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 458.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: PC03	Upstream	Downstream
Scenario: Alt3	Invert: -1.91 ft	Invert: -2.62 ft
From Node: NC03	Manning's N: 0.0120	Manning's N: 0.0120
To Node: N10	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 153.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: PC04	Upstream	Downstream
Scenario: Alt3	Invert: -1.31 ft	Invert: -1.50 ft
From Node: NC04	Manning's N: 0.0120	Manning's N: 0.0120
To Node: N10	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 45.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: PC05	Upstream	Downstream
Scenario: Alt3	Invert: -1.11 ft	Invert: -1.50 ft
From Node: NC05	Manning's N: 0.0120	Manning's N: 0.0120
To Node: N10	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 49.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: PC06	Upstream	Downstream
Scenario: Alt3	Invert: -1.83 ft	Invert: -2.00 ft
From Node: NC06	Manning's N: 0.0120	Manning's N: 0.0120
To Node: N10	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	35.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory

Pipe Link: PC07	Upstream	Downstream
Scenario: Alt3	Invert: -1.01 ft	Invert: -1.50 ft
From Node: NC07	Manning's N: 0.0120	Manning's N: 0.0120
To Node: N10	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 50.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: PC08	Upstream	Downstream
Scenario: Alt3	Invert: -1.21 ft	Invert: -1.50 ft
From Node: NC08	Manning's N: 0.0120	Manning's N: 0.0120
To Node: N10	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 54.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Rating Curve Link: PSCL3730

Scenario: Alt3
 From Node: NCL3730
 To Node: NCL3450
 Link Count: 1
 Flow Direction: None

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
PSCL3730	13.00	NCL3730	9.50	NCL3730
PSCL3730B	13.00	NCL3730	9.50	NCL3730

Comment: Pump station added per ERP 6550

Pipe Link: PSH31

Scenario: Alt3
 From Node: NSH31
 To Node: NSH35
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 88.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 4.54 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 1.00 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 4.29 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 1.00 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment: Field

Pipe Link: PSH51

Scenario: Alt3
 From Node: NSH51
 To Node: NSH53
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 345.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 14.41 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 3.00 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 13.37 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 3.00 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment: CityPlans

Pipe Link: P_THEA_Watrous		Upstream	Downstream
Scenario:	Alt3	Invert: 10.70 ft	Invert: 10.44 ft
From Node:	THEA_Watrous	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	THEA_JUNCT1	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	162.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Proposed Pipe			

Pipe Link: P_THEA_Watrous2		Upstream	Downstream
Scenario:	Alt3	Invert: 10.44 ft	Invert: 10.36 ft
From Node:	THEA_JUNCT1	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	THEA_JUNCT2	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	23.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Proposed Pipe			

Pipe Link: P_THEA_Watrous3		Upstream	Downstream
Scenario:	Alt3	Invert: 10.36 ft	Invert: 10.34 ft
From Node:	THEA_JUNCT2	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NSHSelmonDS	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	15.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Proposed Pipe

Weir Link: PondA_Grate

Scenario:	Alt3	Bottom Clip	
From Node:	PondA	Default:	0.00 ft
To Node:	NSH71	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	19.00 ft	Discharge Coefficients	
Control Elevation:	19.00 ft	Weir Default:	2.800
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	20.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Weir Link: PondA_Notch

Scenario:	Alt3	Bottom Clip	
From Node:	PondA	Default:	0.00 ft
To Node:	NSH71	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	16.50 ft	Discharge Coefficients	
Control Elevation:	16.50 ft	Weir Default:	2.800
Max Depth:	2.50 ft	Weir Table:	
Max Width:	2.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: R11

	Upstream	Downstream			
Scenario:	Alt3	Invert:	11.14 ft	Invert:	9.17 ft
From Node:	N11	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	E_Outlet	Geometry:	Rectangular	Geometry:	Rectangular

Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Max Width:	4.00 ft	Max Width:	4.00 ft
Damping:	0.0000	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	691.16 ft				
FHWA Code:	0				
Entr Loss Coef:	0.50				
Exit Loss Coef:	0.50				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Bottom Clip

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Top Clip

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory

Pipe Link: RBB0030

Upstream

Downstream

Scenario:	Alt3	Invert:	-3.17 ft	Invert:	-3.37 ft
From Node:	NBB0030	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	NBB0010	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both				
Damping:	0.0000				
Length:	900.00 ft				
FHWA Code:	0				
Entr Loss Coef:	0.00				
Exit Loss Coef:	1.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Bottom Clip

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Top Clip

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RBB0050

Upstream

Downstream

Scenario:	Alt3	Invert:	-1.77 ft	Invert:	-3.17 ft
From Node:	NBB0050	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	NBB0030	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both				
Damping:	0.0000				
Length:	900.00 ft				
FHWA Code:	0				
Entr Loss Coef:	0.00				
Exit Loss Coef:	1.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				

Bottom Clip

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Top Clip

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: RBB0070

Upstream

Downstream

Scenario: Alt3
 From Node: NBB0070
 To Node: NBB0050
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 506.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 1.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 0.13 ft
 Manning's N: 0.0130

Invert: -1.77 ft
 Manning's N: 0.0130

Geometry: Circular

Geometry: Circular

Max Depth: 4.50 ft

Max Depth: 4.50 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: RBB0090

Upstream

Downstream

Scenario: Alt3
 From Node: NBB0090
 To Node: NBB0070
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 456.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 1.33 ft
 Manning's N: 0.0150

Invert: 0.13 ft
 Manning's N: 0.0150

Geometry: Circular

Geometry: Circular

Max Depth: 4.50 ft

Max Depth: 4.50 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: RBB0090OW

Upstream

Downstream

Scenario: Alt3
 From Node: NBB0090
 To Node: NBB0050

Invert: 13.13 ft
 Manning's N: 0.0000

Invert: 13.12 ft
 Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Link Count:	1	Cross Section:	RBB0090OW	Cross Section:	RBB0090OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RBB0110	Upstream	Downstream
Scenario: Alt3	Invert: 2.33 ft	Invert: 1.33 ft
From Node: NBB0110	Manning's N: 0.0170	Manning's N: 0.0170
To Node: NBB0090	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 240.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBB0110OW	Upstream	Downstream
Scenario: Alt3	Invert: 16.10 ft	Invert: 16.09 ft
From Node: NBB0130	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBB0110	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBB0110OW	Cross Section: RBB0110OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBB0130	Upstream	Downstream
Scenario: Alt3	Invert: 9.83 ft	Invert: 9.33 ft
From Node: NBB0130	Manning's N: 0.0150	Manning's N: 0.0150
To Node: NBB0110	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 200.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBB0150	Upstream	Downstream
Scenario: Alt3	Invert: 4.13 ft	Invert: 2.36 ft
From Node: NBB0150	Manning's N: 0.0160	Manning's N: 0.0160
To Node: NBB0110	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 450.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBB0170	Upstream	Downstream
Scenario: Alt3	Invert: 4.18 ft	Invert: 4.13 ft
From Node: NBB0170	Manning's N: 0.0180	Manning's N: 0.0180
To Node: NBB0150	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	250.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RBB0190

		Upstream	Downstream		
Scenario:	Alt3	Invert:	4.42 ft	Invert:	4.18 ft
From Node:	NBB0190	Manning's N:	0.0170	Manning's N:	0.0170
To Node:	NBB0170	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	260.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RBB0210

		Upstream	Downstream		
Scenario:	Alt3	Invert:	4.66 ft	Invert:	4.42 ft
From Node:	NBB0210	Manning's N:	0.0170	Manning's N:	0.0170
To Node:	NBB0190	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	260.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RBB0230	Upstream	Downstream
Scenario: Alt3	Invert: 4.99 ft	Invert: 4.66 ft
From Node: NBB0230	Manning's N: 0.0170	Manning's N: 0.0170
To Node: NBB0210	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 300.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RBB0230OW	Upstream	Downstream
Scenario: Alt3	Invert: 16.45 ft	Invert: 16.44 ft
From Node: NBB0230	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBB0190	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBB0230OW	Cross Section: RBB0230OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Pipe Link: RBB0250	Upstream	Downstream
Scenario: Alt3	Invert: 5.16 ft	Invert: 4.99 ft
From Node: NBB0250	Manning's N: 0.0170	Manning's N: 0.0170
To Node: NBB0230	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 300.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RBB0270	Upstream	Downstream
Scenario: Alt3	Invert: 5.38 ft	Invert: 5.16 ft
From Node: NBB0270	Manning's N: 0.0150	Manning's N: 0.0150
To Node: NBB0250	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 500.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBB0270OW	Upstream	Downstream
Scenario: Alt3	Invert: 15.77 ft	Invert: 15.76 ft
From Node: NBB0270	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBB0310	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBB0270OW	Cross Section: RBB0270OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBB0290	Upstream	Downstream
Scenario: Alt3	Invert: 5.73 ft	Invert: 5.38 ft

From Node:	NBB0290	Manning's N:	0.0180	Manning's N:	0.0180
To Node:	NBB0270	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	230.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link:	RBB0310	Upstream		Downstream	
Scenario:	Alt3	Invert:	5.97 ft	Invert:	5.73 ft
From Node:	NBB0310	Manning's N:	0.0170	Manning's N:	0.0170
To Node:	NBB0290	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	240.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link:	RBB0330	Upstream		Downstream	
Scenario:	Alt3	Invert:	6.24 ft	Invert:	5.97 ft
From Node:	NBB0330	Manning's N:	0.0160	Manning's N:	0.0160
To Node:	NBB0310	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	380.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RBB0330OW

Upstream

Downstream

Scenario: Alt3
From Node: NBB0330
To Node: NBB0370
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 15.99 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RBB0330OW

Invert: 15.98 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RBB0330OW

Comment:

Pipe Link: RBB0350

Upstream

Downstream

Scenario: Alt3
From Node: NBB0350
To Node: NBB0330
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 300.00 ft
FHWA Code: 0
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 6.65 ft
Manning's N: 0.0160
Geometry: Circular
Max Depth: 3.50 ft
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Invert: 6.24 ft
Manning's N: 0.0160
Geometry: Circular
Max Depth: 3.50 ft
Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: RBB0370

Upstream

Downstream

Scenario: Alt3
From Node: NBB0370
To Node: NBB0350

Invert: 6.99 ft
Manning's N: 0.0170
Geometry: Circular

Invert: 6.65 ft
Manning's N: 0.0170
Geometry: Circular

Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	250.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link:	RBB0390	Upstream		Downstream	
Scenario:	Alt3	Invert:	7.48 ft	Invert:	6.99 ft
From Node:	NBB0390	Manning's N:	0.0160	Manning's N:	0.0160
To Node:	NBB0370	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	360.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link:	RBB0410	Upstream		Downstream	
Scenario:	Alt3	Invert:	9.00 ft	Invert:	7.48 ft
From Node:	NBB0410	Manning's N:	0.0150	Manning's N:	0.0150
To Node:	NBB0390	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	520.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RBB0410OW	Upstream	Downstream
Scenario: Alt3	Invert: 15.09 ft	Invert: 15.08 ft
From Node: NBB0410	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBB0370	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBB0410OW	Cross Section: RBB0410OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBB0430	Upstream	Downstream
Scenario: Alt3	Invert: 9.32 ft	Invert: 9.00 ft
From Node: NBB0430	Manning's N: 0.0180	Manning's N: 0.0180
To Node: NBB0410	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 190.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBB0430OW	Upstream	Downstream
Scenario: Alt3	Invert: 14.93 ft	Invert: 14.03 ft
From Node: NBB0430	Manning's N: 0.0200	Manning's N: 0.0200
To Node: G1	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal

Damping:	0.0000 ft	Bottom Width:	50.00 ft	Bottom Width:	50.00 ft
Length:	491.00 ft	Left Slope:	1.000 (h:v)	Left Slope:	1.000 (h:v)
Contraction Coef:	0.00	Right Slope:	1.000 (h:v)	Right Slope:	1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RBB0430OWa		Upstream		Downstream	
Scenario:	Alt3	Invert:	15.13 ft	Invert:	14.63 ft
From Node:	NBB0430	Manning's N:	0.0200	Manning's N:	0.0200
To Node:	G2	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	25.00 ft	Bottom Width:	25.00 ft
Length:	520.00 ft	Left Slope:	1.000 (h:v)	Left Slope:	1.000 (h:v)
Contraction Coef:	0.00	Right Slope:	1.000 (h:v)	Right Slope:	1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RBC_001		Upstream		Downstream	
Scenario:	Alt3	Invert:	6.40 ft	Invert:	5.72 ft
From Node:	NBW2690	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	NSR0881	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Max Width:	8.00 ft	Max Width:	8.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	720.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft

Entr Loss Coef: 0.90	Op Table:	Op Table:
Exit Loss Coef: 0.20	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft

Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBC_003

Scenario: Alt3
 From Node: NSR0881
 To Node: NBW2380
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 1260.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.20
 Exit Loss Coef: 0.70
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream	Downstream
Invert: 5.72 ft	Invert: 4.49 ft
Manning's N: 0.0130	Manning's N: 0.0130
Geometry: Rectangular	Geometry: Rectangular
Max Depth: 5.00 ft	Max Depth: 5.00 ft
Max Width: 8.00 ft	Max Width: 8.00 ft
Fillet: 0.00 ft	Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBC_004

Scenario: Alt3
 From Node: NBW2380
 To Node: NBW1353
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 660.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.70
 Exit Loss Coef: 0.20
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream	Downstream
Invert: 4.49 ft	Invert: 3.84 ft
Manning's N: 0.0130	Manning's N: 0.0130
Geometry: Rectangular	Geometry: Rectangular
Max Depth: 5.00 ft	Max Depth: 5.00 ft
Max Width: 8.00 ft	Max Width: 8.00 ft
Fillet: 0.00 ft	Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: RBC_005

Scenario: Alt3
 From Node: NBW1353
 To Node: NBW1352
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 640.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.20
 Exit Loss Coef: 0.20
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 3.84 ft
 Manning's N: 0.0130
 Geometry: Rectangular
 Max Depth: 5.00 ft
 Max Width: 8.00 ft
 Fillet: 0.00 ft

Downstream

Invert: 3.21 ft
 Manning's N: 0.0130
 Geometry: Rectangular
 Max Depth: 5.00 ft
 Max Width: 8.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: RBC_006

Scenario: Alt3
 From Node: NBW1352
 To Node: NBW1351
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 620.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.20
 Exit Loss Coef: 0.20
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 3.21 ft
 Manning's N: 0.0130
 Geometry: Rectangular
 Max Depth: 5.00 ft
 Max Width: 8.00 ft
 Fillet: 0.00 ft

Downstream

Invert: 2.60 ft
 Manning's N: 0.0130
 Geometry: Rectangular
 Max Depth: 5.00 ft
 Max Width: 8.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: RBC_007

Upstream

Downstream

Scenario: Alt3
 From Node: NBW1351
 To Node: NSR0790
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 670.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.90
 Exit Loss Coef: 0.90
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 2.60 ft	Invert: 1.60 ft
Manning's N: 0.0130	Manning's N: 0.0130
Geometry: Rectangular	Geometry: Rectangular
Max Depth: 5.00 ft	Max Depth: 5.00 ft
Max Width: 8.00 ft	Max Width: 8.00 ft
Fillet: 0.00 ft	Fillet: 0.00 ft
Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBC_008

Scenario: Alt3
 From Node: NSR0790
 To Node: NSR0791
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 603.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.90
 Exit Loss Coef: 0.90
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream	Downstream
Invert: 1.60 ft	Invert: 1.60 ft
Manning's N: 0.0130	Manning's N: 0.0130
Geometry: Rectangular	Geometry: Rectangular
Max Depth: 5.00 ft	Max Depth: 5.00 ft
Max Width: 8.00 ft	Max Width: 8.00 ft
Fillet: 0.00 ft	Fillet: 0.00 ft
Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBC_009

Scenario: Alt3
 From Node: NSR0791
 To Node: NSR0281
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 687.00 ft

Upstream	Downstream
Invert: 1.60 ft	Invert: -1.74 ft
Manning's N: 0.0130	Manning's N: 0.0130
Geometry: Rectangular	Geometry: Rectangular
Max Depth: 5.00 ft	Max Depth: 5.00 ft
Max Width: 8.00 ft	Max Width: 8.00 ft
Fillet: 0.00 ft	Fillet: 0.00 ft
Bottom Clip	

FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.70	Op Table:		Op Table:	
Exit Loss Coef:	0.70	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RBC_010

	Upstream	Downstream
Scenario:	Alt3	Invert: -1.74 ft
From Node:	NSR0281	Manning's N: 0.0130
To Node:	NSR0280	Manning's N: 0.0130
Link Count:	1	Geometry: Rectangular
Flow Direction:	Both	Max Depth: 5.00 ft
Damping:	0.0000 ft	Max Width: 8.00 ft
Length:	385.00 ft	Fillet: 0.00 ft
	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft
Entr Loss Coef:	0.20	Op Table:
Exit Loss Coef:	0.20	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip
Energy Switch:	Energy	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBC_011

	Upstream	Downstream
Scenario:	Alt3	Invert: -3.70 ft
From Node:	NSR0280	Manning's N: 0.0130
To Node:	NSR0550	Manning's N: 0.0130
Link Count:	1	Geometry: Rectangular
Flow Direction:	Both	Max Depth: 5.00 ft
Damping:	0.0000 ft	Max Width: 8.00 ft
Length:	265.00 ft	Fillet: 0.00 ft
	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft
Entr Loss Coef:	0.70	Op Table:
Exit Loss Coef:	0.70	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip
Energy Switch:	Energy	Default: 0.00 ft
	Op Table:	Op Table:

Ref Node: Manning's N: 0.0000	Ref Node: Manning's N: 0.0000
Comment:	

Pipe Link: RBC_012	Upstream	Downstream
Scenario: Alt3	Invert: -5.00 ft	Invert: -5.00 ft
From Node: NSR0550	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0160	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 650.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.20	Op Table:	Op Table:
Exit Loss Coef: 0.20	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBC_013	Upstream	Downstream
Scenario: Alt3	Invert: -5.00 ft	Invert: -5.00 ft
From Node: NSR0160	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0140	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 57.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.20	Op Table:	Op Table:
Exit Loss Coef: 0.20	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBC_014	Upstream	Downstream
Scenario: Alt3	Invert: -5.00 ft	Invert: -5.00 ft
From Node: NSR0140	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0120	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 356.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.20	Op Table:	Op Table:
Exit Loss Coef: 0.20	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBC_015	Upstream	Downstream
Scenario: Alt3	Invert: -5.00 ft	Invert: -5.00 ft
From Node: NSR0120	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0112	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 76.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.20	Op Table:	Op Table:
Exit Loss Coef: 0.20	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBC_016	Upstream	Downstream
Scenario: Alt3	Invert: -5.00 ft	Invert: -5.00 ft
From Node: NSR0112	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0105	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft

Length: 135.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.20	Op Table:	Op Table:
Exit Loss Coef: 0.20	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBC_017	Upstream	Downstream
Scenario: Alt3	Invert: -5.00 ft	Invert: -5.00 ft
From Node: NSR0105	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0000	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 174.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.20	Op Table:	Op Table:
Exit Loss Coef: 1.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBC_100	Upstream	Downstream
Scenario: Alt3	Invert: 4.60 ft	Invert: 0.52 ft
From Node: NBW1351	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW1330	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Max Width: 5.00 ft	Max Width: 5.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 355.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.70	Op Table:	Op Table:
Exit Loss Coef: 1.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft

	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RBC_101	Upstream	Downstream
Scenario: Alt3	Invert: 2.60 ft	Invert: 0.80 ft
From Node: NBW1351	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW1310	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 360.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RBW0030	Upstream	Downstream
Scenario: Alt3	Invert: -2.10 ft	Invert: -4.67 ft
From Node: NBW0030	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0010	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW0030	Cross Section: RBW0030
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 700.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Pipe Link: RBW0050	Upstream	Downstream
Scenario: Alt3	Invert: 1.63 ft	Invert: 1.13 ft
From Node: NBW0050	Manning's N: 0.0130	Manning's N: 0.0130

To Node: NBW0030	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 58.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Weir Link: RBW0050OW		
Scenario: Alt3	Bottom Clip	
From Node: NBW0050	Default: 0.00 ft	
To Node: NBW0030	Op Table:	
Link Count: 1	Ref Node:	
Flow Direction: Both	Top Clip	
Damping: 0.0000 ft	Default: 0.00 ft	
Weir Type: Broad Crested Vertical	Op Table:	
Geometry Type: Rectangular	Ref Node:	
Invert: 4.00 ft	Discharge Coefficients	
Control Elevation: 4.00 ft	Weir Default: 2.600	
Max Depth: 9999.00 ft	Weir Table:	
Max Width: 20.00 ft	Orifice Default: 0.600	
Fillet: 0.00 ft	Orifice Table:	
Comment:		

Weir Link: RBW0050OWA		
Scenario: Alt3	Bottom Clip	
From Node: NBW0050	Default: 0.00 ft	
To Node: NSR0140	Op Table:	
Link Count: 1	Ref Node:	
Flow Direction: Both	Top Clip	
Damping: 0.0000 ft	Default: 0.00 ft	
Weir Type: Broad Crested Vertical	Op Table:	
Geometry Type: Rectangular	Ref Node:	
Invert: 5.60 ft	Discharge Coefficients	
Control Elevation: 5.60 ft	Weir Default: 2.600	
Max Depth: 9999.00 ft	Weir Table:	
Max Width: 43.00 ft	Orifice Default: 0.600	
Fillet: 0.00 ft	Orifice Table:	
Comment:		

Pipe Link: RBW0070		Upstream	Downstream
Scenario:	Alt3	Invert: -1.83 ft	Invert: -2.07 ft
From Node:	NBW0070	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NBW0030	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Max Width: 15.00 ft	Max Width: 15.00 ft
Damping:	0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	30.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	1.00	Op Table:	Op Table:
Exit Loss Coef:	1.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip	
Energy Switch:	Energy	Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RBW0090OW			
Scenario:	Alt3	Bottom Clip	
From Node:	NBW0090	Default:	0.00 ft
To Node:	NBW0030	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.60 ft	Discharge Coefficients	
Control Elevation:	3.60 ft	Weir Default:	2.600
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	10.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Channel Link: RBW0130		Upstream	Downstream
Scenario:	Alt3	Invert: -0.42 ft	Invert: -1.83 ft
From Node:	NBW0130	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW0070	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RBW0130	Cross Section: RBW0130
Flow Direction:	Both		
Damping:	0.0000		
Length:	600.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		

Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RBW0150	Upstream	Downstream
Scenario: Alt3	Invert: 0.21 ft	Invert: 0.15 ft
From Node: NBW0150	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW0130	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 64.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RBW0150OWA		
Scenario:	Alt3	Bottom Clip
From Node:	NBW0150	Default: 0.00 ft
To Node:	NBW0130	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	4.70 ft	Discharge Coefficients
Control Elevation:	4.70 ft	Weir Default: 2.600
Max Depth:	9999.00 ft	Weir Table:
Max Width:	20.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Pipe Link: RBW0170	Upstream	Downstream
Scenario: Alt3	Invert: 0.61 ft	Invert: 0.21 ft

From Node:	NBW0170	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NBW0150	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	1.58 ft	Max Depth:	1.58 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	187.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RBW0170OW		Upstream		Downstream	
Scenario:	Alt3	Invert:	4.40 ft	Invert:	3.40 ft
From Node:	NBW0170	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW0090	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	CURB_20FT_FULL	Cross Section:	CURB_20FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	496.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: RBW0170OWA		Upstream		Downstream	
Scenario:	Alt3	Invert:	4.10 ft	Invert:	4.50 ft
From Node:	NBW0170	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW0150	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	CURB_20FT_FULL	Cross Section:	CURB_20FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	208.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Channel Link: RBW0190	Upstream	Downstream
Scenario: Alt3	Invert: 0.28 ft	Invert: -0.37 ft
From Node: NBW0190	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0130	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW0190	Cross Section: RBW0190
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 350.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Weir Link: RBW0210OW	Bottom Clip
Scenario: Alt3	Default: 0.00 ft
From Node: NBW0210	Op Table:
To Node: NBW0190	Ref Node:
Link Count: 1	
Flow Direction: Both	Top Clip
Damping: 0.0000 ft	Default: 0.00 ft
Weir Type: Broad Crested Vertical	Op Table:
Geometry Type: Rectangular	Ref Node:
Invert: 6.00 ft	Discharge Coefficients
Control Elevation: 6.00 ft	Weir Default: 2.400
Max Depth: 833.25 ft	Weir Table:
Max Width: 20.00 ft	Orifice Default: 0.600
Fillet: 0.00 ft	Orifice Table:

Comment:

Pipe Link: RBW0230	Upstream	Downstream
Scenario: Alt3	Invert: -0.34 ft	Invert: -0.42 ft
From Node: NBW0230	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW0190	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft

Flow Direction:	Both	Max Width:	10.00 ft	Max Width:	10.00 ft
Damping:	0.0000	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	45.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	1.00	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: RBW0230A	Upstream	Downstream
Scenario: Alt3	Invert: -0.34 ft	Invert: -0.42 ft
From Node: NBW0230	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW0190	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping: 0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 45.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 1.00	Op Table:	Op Table:
Exit Loss Coef: 1.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RBW0250	Upstream	Downstream
Scenario: Alt3	Invert: 0.39 ft	Invert: 0.28 ft
From Node: NBW0250	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0230	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW0250	Cross Section: RBW0250
Flow Direction: Both		
Damping: 0.0000		
Length: 304.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		

Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RBW0270	Upstream	Downstream
Scenario: Alt3	Invert: 0.51 ft	Invert: 0.39 ft
From Node: NBW0270	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW0250	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 61.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RBW0270OW			
Scenario:	Alt3	Bottom Clip	
From Node:	NBW0270	Default:	0.00 ft
To Node:	NBW0250	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.00 ft	Discharge Coefficients	
Control Elevation:	5.00 ft	Weir Default:	2.600
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	20.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: RBW0290	Upstream	Downstream
Scenario: Alt3	Invert: 1.05 ft	Invert: 0.51 ft
From Node: NBW0290	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW0270	Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	218.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: RBW0290OW		Upstream		Downstream	
Scenario:	Alt3	Invert:	5.50 ft	Invert:	5.20 ft
From Node:	NBW0290	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW0270	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	CURB_30FT_FULL	Cross Section:	CURB_30FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	220.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RBW0310		Upstream		Downstream	
Scenario:	Alt3	Invert:	1.67 ft	Invert:	1.05 ft
From Node:	NBW0310	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NBW0290	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	311.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RBW0310OW		Upstream	Downstream
Scenario:	Alt3	Invert: 7.50 ft	Invert: 5.30 ft
From Node:	NBW0310	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW1230	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_20FT_FULL	Cross Section: CURB_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	1042.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: RBW0310OWA		Upstream	Downstream
Scenario:	Alt3	Invert: 7.40 ft	Invert: 6.00 ft
From Node:	NBW0310	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW0290	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_20FT_FULL	Cross Section: CURB_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	290.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: RBW0330		Upstream	Downstream
Scenario:	Alt3	Invert: 0.55 ft	Invert: 0.39 ft
From Node:	NBW0330	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW0250	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RBW0330	Cross Section: RBW0330
Flow Direction:	Both		

Damping: 0.0000 ft
Length: 446.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: RBW0350OW

Scenario: Alt3
From Node: NBW0350
To Node: NBW0230
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Upstream

Invert: 4.73 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RBW0350OW

Downstream

Invert: 4.72 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RBW0350OW

Pipe Link: RBW0370

Scenario: Alt3
From Node: NBW0370
To Node: NBW0330
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 135.00 ft
FHWA Code: 0
Entr Loss Coef: 0.00
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Upstream

Invert: 1.20 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 2.00 ft

Downstream

Invert: 0.68 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 2.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Pipe Link: RBW0390	Upstream	Downstream
Scenario: Alt3	Invert: -0.86 ft	Invert: 1.20 ft
From Node: NBW0390	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW0370	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 141.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RBW0390OW	Upstream	Downstream
Scenario: Alt3	Invert: 4.55 ft	Invert: 4.54 ft
From Node: NBW0390	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0370	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW0390OW	Cross Section: RBW0390OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Pipe Link: RBW0410	Upstream	Downstream
Scenario: Alt3	Invert: 0.46 ft	Invert: 0.45 ft
From Node: NBW0410	Manning's N: 0.0200	Manning's N: 0.0200
To Node: NBW0330	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 6.00 ft	Max Depth: 6.00 ft
Flow Direction: Both	Max Width: 14.00 ft	Max Width: 14.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 30.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.50	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:

Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW0430OW	Upstream	Downstream
Scenario: Alt3	Invert: 3.65 ft	Invert: 3.64 ft
From Node: NBW0430	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0450	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW0430OW	Cross Section: RBW0430OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RBW0450	Upstream	Downstream
Scenario: Alt3	Invert: 0.55 ft	Invert: 0.46 ft
From Node: NBW0450	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0410	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW0450	Cross Section: RBW0450
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 400.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RBW0470OW		Upstream	Downstream
Scenario:	Alt3	Invert: 3.68 ft	Invert: 3.67 ft
From Node:	NBW0470	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW0450	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RBW0470OW	Cross Section: RBW0470OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RBW0490		Upstream	Downstream
Scenario:	Alt3	Invert: 0.46 ft	Invert: 0.45 ft
From Node:	NBW0490	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	NBW0450	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 6.00 ft	Max Depth: 6.00 ft
Flow Direction:	Both	Max Width: 14.00 ft	Max Width: 14.00 ft
Damping:	0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	30.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.50	Op Table:	Op Table:
Exit Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip	
Energy Switch:	Energy	Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RBW0510OW		Upstream	Downstream
Scenario:	Alt3	Invert: 6.35 ft	Invert: 6.34 ft
From Node:	NBW0510	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW0490	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RBW0510OW	Cross Section: RBW0510OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		

Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Channel Link: RBW0530	Upstream	Downstream
Scenario: Alt3	Invert: 1.20 ft	Invert: 0.46 ft
From Node: NBW0530	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0490	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW0530	Cross Section: RBW0530
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 310.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW0550	Upstream	Downstream
Scenario: Alt3	Invert: 3.57 ft	Invert: 1.39 ft
From Node: NBW0550	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW0530	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.42 ft	Max Depth: 2.42 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 942.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW0550AOW		Upstream	Downstream
Scenario:	Alt3	Invert: 5.72 ft	Invert: 5.71 ft
From Node:	NBW0550	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW0730	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RBW0550AOW	Cross Section: RBW0550AOW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: RBW0550OW		Upstream	Downstream
Scenario:	Alt3	Invert: 5.18 ft	Invert: 5.17 ft
From Node:	NBW0550	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW0730	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RBW0550OW	Cross Section: RBW0550OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RBW0570		Upstream	Downstream
Scenario:	Alt3	Invert: 4.03 ft	Invert: 3.77 ft
From Node:	NBW0570	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NBW0550	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 2.42 ft	Max Depth: 2.42 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	262.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW0570OW	Upstream	Downstream
Scenario: Alt3	Invert: 5.68 ft	Invert: 5.67 ft
From Node: NBW0570	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0650	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW0570OW	Cross Section: RBW0570OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW0590	Upstream	Downstream
Scenario: Alt3	Invert: 5.33 ft	Invert: 4.44 ft
From Node: NBW0590	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW0570	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 314.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW0590OW	Upstream	Downstream
Scenario: Alt3	Invert: 9.50 ft	Invert: 5.50 ft

From Node:	NBW0590	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW1230	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	CURB_20FT_FULL	Cross Section:	CURB_20FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1048.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: RBW0590OWA		Upstream	Downstream
Scenario:	Alt3	Invert: 9.40 ft	Invert: 8.60 ft
From Node:	NBW0590	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW0570	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_20FT_FULL	Cross Section: CURB_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	303.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: RBW0610		Upstream	Downstream
Scenario:	Alt3	Invert: 2.09 ft	Invert: 1.20 ft
From Node:	NBW0610	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW0530	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RBW0610	Cross Section: RBW0610
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	190.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Channel Link: RBW0630OW	Upstream	Downstream
Scenario: Alt3	Invert: 5.08 ft	Invert: 5.07 ft
From Node: NBW0630	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0530	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW0630OW	Cross Section: RBW0630OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW0650	Upstream	Downstream
Scenario: Alt3	Invert: 1.25 ft	Invert: 1.24 ft
From Node: NBW0650	Manning's N: 0.0200	Manning's N: 0.0200
To Node: NBW0610	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 95.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.50	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW0670OW	Upstream	Downstream
Scenario: Alt3	Invert: 4.48 ft	Invert: 4.47 ft

From Node:	NBW0670	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW0650	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RBW0670OW	Cross Section:	RBW0670OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: RBW0690		Upstream		Downstream	
Scenario:	Alt3	Invert:	1.31 ft	Invert:	1.25 ft
From Node:	NBW0690	Manning's N:	0.0350	Manning's N:	0.0350
To Node:	NBW0650	Geometry:	Trapezoidal	Geometry:	Trapezoidal
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	0.00 ft	Bottom Width:	0.00 ft
Length:	373.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: RBW0710OW		Upstream		Downstream	
Scenario:	Alt3	Invert:	4.96 ft	Invert:	4.95 ft
From Node:	NBW0710	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW0690	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	RBW0710OW	Cross Section:	RBW0710OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				

Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RBW0730

Scenario: Alt3
 From Node: NBW0730
 To Node: NBW0690
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 95.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 1.32 ft
 Manning's N: 0.0200
 Geometry: Rectangular
 Max Depth: 4.00 ft
 Max Width: 10.00 ft
 Fillet: 0.00 ft

Downstream

Invert: 1.31 ft
 Manning's N: 0.0200
 Geometry: Rectangular
 Max Depth: 4.00 ft
 Max Width: 10.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: RBW0730OW

Scenario: Alt3
 From Node: NBW0730
 To Node: NBW0690
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 3.74 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RBW0730OW

Downstream

Invert: 3.73 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RBW0730OW

Comment:

Pipe Link: RBW0750	Upstream	Downstream
Scenario: Alt3	Invert: 1.43 ft	Invert: 1.32 ft
From Node: NBW0750	Manning's N: 0.0200	Manning's N: 0.0200
To Node: NBW0730	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Max Width: 5.00 ft	Max Width: 5.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 670.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW0750AOW	Upstream	Downstream
Scenario: Alt3	Invert: 4.97 ft	Invert: 4.96 ft
From Node: NBW0810	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0750	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW0750AOW	Cross Section: RBW0750AOW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RBW0750OW	Upstream	Downstream
Scenario: Alt3	Invert: 6.10 ft	Invert: 6.09 ft
From Node: NBW0750	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0550	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW0750OW	Cross Section: RBW0750OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		

Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RBW0770

Scenario: Alt3
 From Node: NBW0770
 To Node: NBW0750
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 78.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 2.59 ft
 Manning's N: 0.0120
 Geometry: Horizontal Ellipse
 Max Depth: 1.58 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 1.93 ft
 Manning's N: 0.0120
 Geometry: Horizontal Ellipse
 Max Depth: 1.58 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: RBW0770OW

Scenario: Alt3
 From Node: NBW0770
 To Node: NBW0750
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 5.45 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RBW0770OW

Downstream

Invert: 5.44 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RBW0770OW

Comment:

Pipe Link: RBW0790	Upstream	Downstream
Scenario: Alt3	Invert: 5.03 ft	Invert: 2.87 ft
From Node: NBW0790	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW0770	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 277.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RBW0790OW	Upstream	Downstream
Scenario: Alt3	Invert: 7.51 ft	Invert: 7.50 ft
From Node: NBW0790	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0770	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW0790OW	Cross Section: RBW0790OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Pipe Link: RBW0810	Upstream	Downstream
Scenario: Alt3	Invert: 1.63 ft	Invert: 1.33 ft
From Node: NBW0810	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW0750	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Max Width: 5.00 ft	Max Width: 5.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 244.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:

Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBW0830	Upstream	Downstream
Scenario: Alt3	Invert: 3.39 ft	Invert: 1.91 ft
From Node: NBW0830	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW0810	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 392.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW0830OW	Upstream	Downstream
Scenario: Alt3	Invert: 7.45 ft	Invert: 7.44 ft
From Node: NBW0830	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0810	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW0830OW	Cross Section: RBW0830OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW0850	Upstream	Downstream
Scenario: Alt3	Invert: 4.23 ft	Invert: 3.34 ft
From Node: NBW0850	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW0830	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 208.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RBW0850OW	Upstream	Downstream
Scenario: Alt3	Invert: 9.54 ft	Invert: 9.53 ft
From Node: NBW0850	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0830	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW0850OW	Cross Section: RBW0850OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Pipe Link: RBW0870	Upstream	Downstream
Scenario: Alt3	Invert: 1.89 ft	Invert: 1.63 ft
From Node: NBW0870	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW0810	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Max Width: 5.00 ft	Max Width: 5.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 484.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.20	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:

Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW0870OW	Upstream	Downstream
Scenario: Alt3	Invert: 6.33 ft	Invert: 6.32 ft
From Node: NBW0870	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0910	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW0870OW	Cross Section: RBW0870OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW0890	Upstream	Downstream
Scenario: Alt3	Invert: 1.50 ft	Invert: 1.43 ft
From Node: NBW0890	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW0750	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 2	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 40.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBW0910	Upstream	Downstream
Scenario: Alt3	Invert: 1.78 ft	Invert: 1.50 ft
From Node: NBW0910	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW0890	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 2	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 150.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RBW0910OW	Upstream	Downstream
Scenario: Alt3	Invert: 5.28 ft	Invert: 5.27 ft
From Node: NBW0910	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0750	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW0910OW	Cross Section: RBW0910OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Pipe Link: RBW0930	Upstream	Downstream
Scenario: Alt3	Invert: 2.09 ft	Invert: 1.78 ft
From Node: NBW0930	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW0910	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 2	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 177.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RBW0950	Upstream	Downstream
Scenario: Alt3	Invert: 2.32 ft	Invert: 2.09 ft
From Node: NBW0950	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW0930	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.41 ft	Max Depth: 2.41 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 171.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW0950OW	Upstream	Downstream
Scenario: Alt3	Invert: 6.93 ft	Invert: 6.92 ft
From Node: NBW0970	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0950	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW0950OW	Cross Section: RBW0950OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW0970	Upstream	Downstream
Scenario: Alt3	Invert: 2.68 ft	Invert: 2.68 ft

From Node:	NBW0970	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	NBW0950	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	2.41 ft	Max Depth:	2.41 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	60.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RBW0990		Upstream		Downstream	
Scenario:	Alt3	Invert:	2.81 ft	Invert:	2.68 ft
From Node:	NBW0990	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	NBW0970	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	25.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RBW1010		Upstream		Downstream	
Scenario:	Alt3	Invert:	3.36 ft	Invert:	2.81 ft
From Node:	NBW1010	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NBW0990	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	256.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RBW1010OW

Upstream

Downstream

Scenario: Alt3
 From Node: NBW1010
 To Node: NBW0970
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 7.90 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RBW1010OW

Invert: 7.89 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RBW1010OW

Comment:

Pipe Link: RBW1030

Upstream

Downstream

Scenario: Alt3
 From Node: NBW1030
 To Node: NBW1010
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 302.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 4.22 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 2.50 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Invert: 3.45 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 2.50 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: RBW1030OW

Upstream

Downstream

Scenario: Alt3
 From Node: NBW1030
 To Node: NCL0830

Invert: 11.30 ft
 Manning's N: 0.0000
 Geometry: Irregular

Invert: 11.29 ft
 Manning's N: 0.0000
 Geometry: Irregular

Link Count:	1	Cross Section:	RBW1030OW	Cross Section:	RBW1030OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RBW1050	Upstream	Downstream
Scenario: Alt3	Invert: 4.67 ft	Invert: 4.22 ft
From Node: NBW1050	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW1030	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 240.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBW1070	Upstream	Downstream
Scenario: Alt3	Invert: 4.90 ft	Invert: 4.70 ft
From Node: NBW1070	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW1050	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Max Width: 3.16 ft	Max Width: 3.16 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 105.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.20	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:

Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Comment:	

Channel Link: RBW1070AOW	Upstream	Downstream
Scenario: Alt3	Invert: 8.85 ft	Invert: 8.84 ft
From Node: NBW1070	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1030	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW1070AOW	Cross Section: RBW1070AOW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Channel Link: RBW1070OW	Upstream	Downstream
Scenario: Alt3	Invert: 8.78 ft	Invert: 8.77 ft
From Node: NBW1070	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0870	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW1070OW	Cross Section: RBW1070OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Pipe Link: RBW1090A	Upstream	Downstream
Scenario: Alt3	Invert: -2.00 ft	Invert: -2.10 ft
From Node: NBW1090	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW0030	Geometry: Rectangular	Geometry: Rectangular

Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Max Width:	6.00 ft	Max Width:	6.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	56.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.20	Op Table:		Op Table:	
Exit Loss Coef:	0.20	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: RBW1090B	Upstream	Downstream
Scenario: Alt3	Invert: -2.00 ft	Invert: -2.10 ft
From Node: NBW1090	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW0030	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 56.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.20	Op Table:	Op Table:
Exit Loss Coef: 0.20	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RBW1130	Upstream	Downstream
Scenario: Alt3	Invert: -0.56 ft	Invert: -1.50 ft
From Node: NBW1130	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW1090	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 150.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1130OW		Upstream	Downstream
Scenario: Alt3		Invert: 5.90 ft	Invert: 4.00 ft
From Node: NBW1130		Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0230		Geometry: Irregular	Geometry: Irregular
Link Count: 1		Cross Section: LOCAL_30FT_HALF	Cross Section: LOCAL_30FT_HALF
Flow Direction: Both			
Damping: 0.0000 ft			
Length: 130.00 ft			
Contraction Coef: 0.00			
Expansion Coef: 0.00			
Entr Loss Coef: 0.00			
Exit Loss Coef: 0.00			
Bend Loss Coef: 0.00			
Bend Location: 0.00 dec			
Energy Switch: Energy			

Comment:

Weir Link: RBW1130OWA		Bottom Clip
Scenario: Alt3		Default: 0.00 ft
From Node: NBW1130		Op Table:
To Node: NBW0030		Ref Node:
Link Count: 1		Top Clip
Flow Direction: Both		Default: 0.00 ft
Damping: 0.0000 ft		Op Table:
Weir Type: Broad Crested Vertical		Ref Node:
Geometry Type: Rectangular		Discharge Coefficients
Invert: 5.00 ft		Weir Default: 2.600
Control Elevation: 5.00 ft		Weir Table:
Max Depth: 9999.00 ft		Orifice Default: 0.600
Max Width: 200.00 ft		Orifice Table:
Fillet: 0.00 ft		

Comment:

Pipe Link: RBW1150		Upstream	Downstream
Scenario: Alt3		Invert: 0.18 ft	Invert: -0.14 ft
From Node: NBW1150		Manning's N: 0.0130	Manning's N: 0.0130

To Node: NBW1130	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 129.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Weir Link: RBW1150OWA		
Scenario: Alt3	Bottom Clip	
From Node: NBW1150	Default: 0.00 ft	
To Node: NSR0180	Op Table:	
Link Count: 1	Ref Node:	
Flow Direction: Both	Top Clip	
Damping: 0.0000 ft	Default: 0.00 ft	
Weir Type: Broad Crested Vertical	Op Table:	
Geometry Type: Rectangular	Ref Node:	
Invert: 5.10 ft	Discharge Coefficients	
Control Elevation: 5.10 ft	Weir Default: 2.600	
Max Depth: 9999.00 ft	Weir Table:	
Max Width: 23.00 ft	Orifice Default: 0.600	
Fillet: 0.00 ft	Orifice Table:	
Comment:		

Channel Link: RBW1150OWB		
Scenario: Alt3	Upstream	Downstream
From Node: NBW1150	Invert: 4.10 ft	Invert: 4.00 ft
To Node: NBW1130	Manning's N: 0.0000	Manning's N: 0.0000
Link Count: 1	Geometry: Irregular	Geometry: Irregular
Flow Direction: Both	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Damping: 0.0000 ft		
Length: 266.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RBW1169

	Upstream	Downstream
Scenario: Alt3	Invert: -0.74 ft	Invert: -2.00 ft
From Node: NBW1169	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1090	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW1169	Cross Section: RBW1169
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 800.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RBW1170B

	Upstream	Downstream
Scenario: Alt3	Invert: -0.80 ft	Invert: -0.74 ft
From Node: NBW1170	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1169	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW1169	Cross Section: RBW1169
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 374.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW1190

	Upstream	Downstream
Scenario: Alt3	Invert: 0.50 ft	Invert: 0.25 ft
From Node: NBW1190	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW1170	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	125.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: RBW1190OW

Scenario:	Alt3	Bottom Clip	
From Node:	NBW1190	Default:	0.00 ft
To Node:	NBW1170	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	7.00 ft	Discharge Coefficients	
Control Elevation:	7.00 ft	Weir Default:	2.600
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	10.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: RBW1210

	Upstream	Downstream			
Scenario:	Alt3	Invert:	0.01 ft	Invert:	-0.35 ft
From Node:	NBW1210	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	NBW1170	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	150.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: RBW1210OW

Scenario: Alt3
 From Node: NBW1210
 To Node: NBW1170
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 7.50 ft
 Control Elevation: 7.50 ft
 Max Depth: 9999.00 ft
 Max Width: 10.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Channel Link: RBW1210OWA**Upstream****Downstream**

Scenario: Alt3
 From Node: NBW1210
 To Node: NBW1150
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 604.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 7.00 ft
 Manning's N: 0.0000

Invert: 3.90 ft
 Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: LOCAL_20FT_FULL

Cross Section: LOCAL_20FT_FULL

Comment:

Pipe Link: RBW1230**Upstream****Downstream**

Scenario: Alt3
 From Node: NBW1230
 To Node: NBW1210
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 265.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.20
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00

Invert: 0.59 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 2.50 ft

Invert: 0.01 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Bend Location: 0.00 dec
Energy Switch: Energy

Op Table:
Ref Node:
Manning's N: 0.0000

Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RBW1230OW

Upstream

Downstream

Scenario: Alt3
From Node: NBW1230
To Node: NBW1210
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 396.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 6.00 ft

Invert: 5.00 ft

Manning's N: 0.0000

Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: CURB_25FT_FULL

Cross Section: CURB_25FT_FULL

Comment:

Pipe Link: RBW1250A

Upstream

Downstream

Scenario: Alt3
From Node: NBW1250
To Node: NBW1170
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 50.00 ft
FHWA Code: 0
Entr Loss Coef: 0.20
Exit Loss Coef: 0.20
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: -0.75 ft

Invert: -0.80 ft

Manning's N: 0.0130

Manning's N: 0.0130

Geometry: Rectangular

Geometry: Rectangular

Max Depth: 4.00 ft

Max Depth: 4.00 ft

Max Width: 6.00 ft

Max Width: 6.00 ft

Fillet: 0.00 ft

Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: RBW1250B

Upstream

Downstream

Scenario: Alt3	Invert: -0.75 ft	Invert: -0.80 ft
From Node: NBW1250	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW1170	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 50.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.20	Op Table:	Op Table:
Exit Loss Coef: 0.20	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RBW1250OW

Scenario: Alt3	Bottom Clip
From Node: NBW1250	Default: 0.00 ft
To Node: NBW1170	Op Table:
Link Count: 1	Ref Node:
Flow Direction: Both	Top Clip
Damping: 0.0000	Default: 0.00 ft
Weir Type: Broad Crested Vertical	Op Table:
Geometry Type: Rectangular	Ref Node:
Invert: 7.40 ft	Discharge Coefficients
Control Elevation: 7.40 ft	Weir Default: 2.600
Max Depth: 9999.00 ft	Weir Table:
Max Width: 20.00 ft	Orifice Default: 0.600
Fillet: 0.00 ft	Orifice Table:

Comment:

Weir Link: RBW1250OWB

Scenario: Alt3	Bottom Clip
From Node: NBW1250	Default: 0.00 ft
To Node: NBW1190	Op Table:
Link Count: 1	Ref Node:
Flow Direction: Both	Top Clip
Damping: 0.0000	Default: 0.00 ft
Weir Type: Broad Crested Vertical	Op Table:
Geometry Type: Rectangular	Ref Node:
Invert: 6.70 ft	Discharge Coefficients
Control Elevation: 6.70 ft	Weir Default: 2.600

Max Depth: 9999.00 ft
 Max Width: 10.00 ft
 Fillet: 0.00 ft

Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: RBW1250OWC

Scenario: Alt3
 From Node: NBW1250
 To Node: NBW1210
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 6.70 ft
 Control Elevation: 6.70 ft
 Max Depth: 9999.00 ft
 Max Width: 10.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RBW1270

Scenario: Alt3
 From Node: NBW1270
 To Node: NBW1310
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 172.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 1.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 1.20 ft
 Manning's N: 0.0130

Geometry: Circular

Max Depth: 1.25 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 0.50 ft
 Manning's N: 0.0130

Geometry: Circular

Max Depth: 1.25 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: RBW1270OW

Scenario: Alt3
 From Node: NBW1270

Upstream

Invert: 5.50 ft
 Manning's N: 0.0000

Downstream

Invert: 5.00 ft
 Manning's N: 0.0000

To Node:	NBW1190	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	300.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Weir Link: RBW1270OWA

Scenario:	Alt3	Bottom Clip
From Node:	NBW1270	Default: 0.00 ft
To Node:	NBW1310	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	8.40 ft	Discharge Coefficients
Control Elevation:	8.40 ft	Weir Default: 2.400
Max Depth:	9999.00 ft	Weir Table:
Max Width:	10.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Channel Link: RBW1270OWB

	Upstream	Downstream
Scenario:	Alt3	Invert: 5.50 ft
From Node:	NBW1270	Manning's N: 0.0000
To Node:	NSR0580	Manning's N: 0.0000
Link Count:	1	Geometry: Irregular
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Cross Section: CURB_25FT_FULL
Length:	663.00 ft	Cross Section: CURB_25FT_FULL
Contraction Coef:	0.00	
Expansion Coef:	0.00	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	

Comment:

Channel Link: RBW1310B	Upstream	Downstream
Scenario: Alt3	Invert: 0.26 ft	Invert: -0.75 ft
From Node: NBW1310	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1250	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW1310B	Cross Section: RBW1310B
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 676.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW1330A	Upstream	Downstream
Scenario: Alt3	Invert: 0.52 ft	Invert: 0.26 ft
From Node: NBW1330	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW1310	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 7.00 ft	Max Width: 7.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 27.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 1.00	Op Table:	Op Table:
Exit Loss Coef: 1.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBW1350A	Upstream	Downstream
Scenario: Alt3	Invert: 6.04 ft	Invert: 5.25 ft
From Node: NBW1350	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW1330	Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	27.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	1.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: RBW1350B	Upstream	Downstream
Scenario: Alt3	Invert: 7.00 ft	Invert: 1.50 ft
From Node: NBW1350	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW1330	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 62.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 1.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RBW1350OW	Upstream	Downstream
Scenario: Alt3	Invert: 11.50 ft	Invert: 10.50 ft
From Node: NBW1350	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1370	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_HALF	Cross Section: LOCAL_20FT_HALF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 326.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Weir Link: RBW1350OWB

Scenario:	Alt3	Bottom Clip
From Node:	NBW1350	Default: 0.00 ft
To Node:	NBW1310	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	11.60 ft	Discharge Coefficients
Control Elevation:	11.60 ft	Weir Default: 2.600
Max Depth:	9999.00 ft	Weir Table:
Max Width:	150.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Channel Link: RBW1351OWA

	Upstream	Downstream
Scenario:	Alt3	Invert: 11.70 ft
From Node:	NBW1351	Manning's N: 0.0000
To Node:	NBW1350	Manning's N: 0.0000
Link Count:	1	Geometry: Irregular
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Cross Section: LOCAL_20FT_HALF
Length:	326.00 ft	Cross Section: LOCAL_20FT_HALF
Contraction Coef:	0.00	
Expansion Coef:	0.00	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	

Comment:

Channel Link: RBW1351OWB

	Upstream	Downstream
Scenario:	Alt3	Invert: 6.10 ft
From Node:	NBW1351	Manning's N: 0.0000
To Node:	NBW1270	Manning's N: 0.0000
Link Count:	1	Geometry: Irregular
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Cross Section: CURB_25FT_HALF
		Cross Section: CURB_25FT_HALF

Length: 426.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: RBW1351OWC**Upstream****Downstream**

Scenario: Alt3
From Node: NBW1351
To Node: NSR0780
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 598.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 10.40 ft
Manning's N: 0.0000

Invert: 6.80 ft
Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: CURB_25FT_HALF

Cross Section: CURB_25FT_HALF

Comment:

Channel Link: RBW1351OWD**Upstream****Downstream**

Scenario: Alt3
From Node: NBW1351
To Node: NSR0790
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 543.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 11.20 ft
Manning's N: 0.0000

Invert: 9.90 ft
Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: LOCAL_20FT_FULL

Cross Section: LOCAL_20FT_FULL

Comment:

Channel Link: RBW1352OWA		Upstream	Downstream
Scenario:	Alt3	Invert: 14.40 ft	Invert: 10.80 ft
From Node:	NBW1352	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW1351	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	652.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: RBW1353OWA		Upstream	Downstream
Scenario:	Alt3	Invert: 15.70 ft	Invert: 14.40 ft
From Node:	NBW1353	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW1352	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	660.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RBW1370		Upstream	Downstream
Scenario:	Alt3	Invert: 3.80 ft	Invert: 0.52 ft
From Node:	NBW1370	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NBW1330	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction:	Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping:	0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	325.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.50	Op Table:	Op Table:
Exit Loss Coef:	0.50	Ref Node:	Ref Node:

Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1370OW	Upstream	Downstream
Scenario: Alt3	Invert: 10.70 ft	Invert: 5.00 ft
From Node: NBW1370	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1210	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CURB_20FT_FULL	Cross Section: CURB_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 768.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Weir Link: RBW1370OWA	Bottom Clip
Scenario: Alt3	Default: 0.00 ft
From Node: NBW1370	Op Table:
To Node: NBW1310	Ref Node:
Link Count: 1	Top Clip
Flow Direction: Both	Default: 0.00 ft
Damping: 0.0000 ft	Op Table:
Weir Type: Broad Crested Vertical	Ref Node:
Geometry Type: Rectangular	Discharge Coefficients
Invert: 10.90 ft	Weir Default: 2.600
Control Elevation: 10.90 ft	Weir Table:
Max Depth: 9999.00 ft	Orifice Default: 0.600
Max Width: 120.00 ft	Orifice Table:
Fillet: 0.00 ft	

Comment:

Channel Link: RBW1370OWB	Upstream	Downstream

Scenario:	Alt3	Invert:	10.90 ft	Invert:	7.80 ft
From Node:	NBW1370	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW1230	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	CURB_20FT_FULL	Cross Section:	CURB_20FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	325.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RBW1390	Upstream	Downstream
Scenario: Alt3	Invert: 7.87 ft	Invert: 3.80 ft
From Node: NBW1390	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW1370	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 1324.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.50	Op Table:	Op Table:
Exit Loss Coef: 0.50	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1390OW	Upstream	Downstream
Scenario: Alt3	Invert: 15.70 ft	Invert: 10.70 ft
From Node: NBW1390	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1370	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 983.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		

Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: RBW1390OWA	Upstream	Downstream
Scenario: Alt3	Invert: 15.00 ft	Invert: 13.80 ft
From Node: NBW1390	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0590	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CURB_20FT_FULL	Cross Section: CURB_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 390.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RBW1390OWB	Upstream	Downstream
Scenario: Alt3	Invert: 14.80 ft	Invert: 10.00 ft
From Node: NBW1390	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1230	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CURB_20FT_HALF	Cross Section: CURB_20FT_HALF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 995.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RBW1390OWC	Upstream	Downstream

Scenario:	Alt3	Invert:	15.40 ft	Invert:	11.80 ft
From Node:	NBW1390	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW1350	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	LOCAL_20FT_FULL	Cross Section:	LOCAL_20FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1285.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: RBW1390OWD		Upstream	Downstream
Scenario:	Alt3	Invert: 15.00 ft	Invert: 14.30 ft
From Node:	NBW1390	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW0590	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_20FT_FULL	Cross Section: CURB_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	224.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RBW1410		Upstream	Downstream
Scenario:	Alt3	Invert: 8.55 ft	Invert: 7.87 ft
From Node:	NBW1410	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NBW1390	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping:	0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	350.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.50	Op Table:	Op Table:
Exit Loss Coef:	0.50	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000

Bend Location: 0.00 dec
Energy Switch: Energy

Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1410OW

Scenario: Alt3
From Node: NBW1410
To Node: NBW1390
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 274.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream	Downstream
Invert: 15.20 ft	Invert: 14.30 ft
Manning's N: 0.0000	Manning's N: 0.0000
Geometry: Irregular	Geometry: Irregular
Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL

Comment:

Pipe Link: RBW1430

Scenario: Alt3
From Node: NBW1430
To Node: NBW1410
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 412.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream	Downstream
Invert: 8.84 ft	Invert: 8.55 ft
Manning's N: 0.0130	Manning's N: 0.0130
Geometry: Rectangular	Geometry: Rectangular
Max Depth: 5.00 ft	Max Depth: 5.00 ft
Max Width: 6.00 ft	Max Width: 6.00 ft
Fillet: 0.00 ft	Fillet: 0.00 ft
Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1430OW		Upstream	Downstream
Scenario:	Alt3	Invert: 15.20 ft	Invert: 14.30 ft
From Node:	NBW1430	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW1390	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_20FT_FULL	Cross Section: CURB_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	274.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: RBW1430OWA		Upstream	Downstream
Scenario:	Alt3	Invert: 15.90 ft	Invert: 16.10 ft
From Node:	NBW1430	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW2350	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	175.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RBW1450		Upstream	Downstream
Scenario:	Alt3	Invert: 9.10 ft	Invert: 8.97 ft
From Node:	NBW1450	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NBW1460	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping:	0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	395.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.50	Op Table:	Op Table:
Exit Loss Coef:	0.50	Ref Node:	Ref Node:

Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link:	RBW1450OW	Upstream	Downstream		
Scenario:	Alt3	Invert:	16.30 ft	Invert:	14.30 ft
From Node:	NBW1450	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW0590	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	CURB_20FT_FULL	Cross Section:	CURB_20FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	665.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link:	RBW1450OWB	Upstream	Downstream		
Scenario:	Alt3	Invert:	16.60 ft	Invert:	16.50 ft
From Node:	NBW1450	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW0590	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	CURB_25FT_FULL	Cross Section:	CURB_25FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	117.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: RBW1460OWA		
	Upstream	Downstream
Scenario: Alt3	Invert: 17.00 ft	Invert: 15.30 ft
From Node: NBW1460	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1430	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 300.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RBW1460OWB		
	Upstream	Downstream
Scenario: Alt3	Invert: 17.00 ft	Invert: 9.60 ft
From Node: NBW1460	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0590	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CURB_20FT_FULL	Cross Section: CURB_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 1660.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW1470		
	Upstream	Downstream
Scenario: Alt3	Invert: 9.22 ft	Invert: 9.10 ft
From Node: NBW1470	Manning's N: 0.0170	Manning's N: 0.0170
To Node: NBW1450	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 425.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:

Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link:	RBW1470OWA	Upstream	Downstream		
Scenario:	Alt3	Invert:	16.30 ft	Invert:	15.50 ft
From Node:	NBW1470	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW1450	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	CURB_25FT_FULL	Cross Section:	CURB_25FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	554.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link:	RBW1470OWB	Upstream	Downstream		
Scenario:	Alt3	Invert:	16.90 ft	Invert:	15.40 ft
From Node:	NBW1470	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW0590	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	CURB_25FT_HALF	Cross Section:	CURB_25FT_HALF
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	778.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: RBW1470OWC		Upstream	Downstream
Scenario:	Alt3	Invert: 16.80 ft	Invert: 15.40 ft
From Node:	NBW1470	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW0750	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_25FT_HALF	Cross Section: CURB_25FT_HALF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	495.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RBW1480		Upstream	Downstream
Scenario:	Alt3	Invert: 10.52 ft	Invert: 8.97 ft
From Node:	NBW1480	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NBW1460	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	776.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RBW1480OW		
Scenario:	Alt3	Bottom Clip
From Node:	NBW1480	Default: 0.00 ft
To Node:	NBW1460	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	18.10 ft	Discharge Coefficients
Control Elevation:	18.10 ft	Weir Default: 2.600

Max Depth: 9999.00 ft
 Max Width: 190.00 ft
 Fillet: 0.00 ft

Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RBW1490

Scenario: Alt3
 From Node: NBW1490
 To Node: NBW1470
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 700.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 9.97 ft
 Manning's N: 0.0160
 Geometry: Rectangular
 Max Depth: 5.00 ft
 Max Width: 6.00 ft
 Fillet: 0.00 ft

Downstream

Invert: 9.42 ft
 Manning's N: 0.0160
 Geometry: Rectangular
 Max Depth: 5.00 ft
 Max Width: 6.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: RBW1490OW

Scenario: Alt3
 From Node: NBW1490
 To Node: NBW1590
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 17.34 ft
 Manning's N: 0.0000

Downstream

Invert: 17.33 ft
 Manning's N: 0.0000

Geometry: Irregular

Cross Section: RBW1490OW

Geometry: Irregular

Cross Section: RBW1490OW

Comment:

Channel Link: RBW1490OWA		Upstream	Downstream
Scenario:	Alt3	Invert: 17.60 ft	Invert: 16.80 ft
From Node:	NBW1490	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW1470	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	590.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: RBW1490OWB		Upstream	Downstream
Scenario:	Alt3	Invert: 17.80 ft	Invert: 17.60 ft
From Node:	NBW1490	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW1470	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	728.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: RBW1490OWC		Upstream	Downstream
Scenario:	Alt3	Invert: 18.30 ft	Invert: 17.40 ft
From Node:	NBW1490	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW1480	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	375.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RBW1510	Upstream	Downstream
Scenario: Alt3	Invert: 10.36 ft	Invert: 9.97 ft
From Node: NBW1510	Manning's N: 0.0160	Manning's N: 0.0160
To Node: NBW1490	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 650.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBW1510A	Upstream	Downstream
Scenario: Alt3	Invert: 12.02 ft	Invert: 11.99 ft
From Node: NBW1510	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW2590	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 3.17 ft	Max Depth: 3.17 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 32.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1510OW		Upstream	Downstream
Scenario:	Alt3	Invert: 17.50 ft	Invert: 17.50 ft
From Node:	NBW1510	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW1590	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RBW1510OW	Cross Section: RBW1510OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RBW1530		Upstream	Downstream
Scenario:	Alt3	Invert: 13.60 ft	Invert: 13.20 ft
From Node:	NBW1530	Manning's N: 0.0150	Manning's N: 0.0150
To Node:	NBW1510	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	255.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBW1530A		Upstream	Downstream
Scenario:	Alt3	Invert: 13.60 ft	Invert: 13.50 ft
From Node:	NBW1530	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NBW2530	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	10.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RBW1550	Upstream	Downstream
Scenario: Alt3	Invert: 14.23 ft	Invert: 13.50 ft
From Node: NBW1550	Manning's N: 0.0140	Manning's N: 0.0140
To Node: NBW1530	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 330.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1550OWA	Upstream	Downstream
Scenario: Alt3	Invert: 17.20 ft	Invert: 17.10 ft
From Node: NBW1550	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW2490	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: DALE_MABRY_FUL	Cross Section: DALE_MABRY_FUL
Flow Direction: Both	L	L
Damping: 0.0000 ft		
Length: 321.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW1570	Upstream	Downstream
Scenario: Alt3	Invert: 10.46 ft	Invert: 10.36 ft

From Node:	NBW1570	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	NBW1510	Geometry:	Rectangular	Geometry:	Rectangular
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Max Width:	6.00 ft	Max Width:	6.00 ft
Damping:	0.0000	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	52.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link:	RBW1590	Upstream		Downstream	
Scenario:	Alt3	Invert:	12.10 ft	Invert:	12.07 ft
From Node:	NBW1590	Manning's N:	0.0160	Manning's N:	0.0160
To Node:	NBW1570	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link:	RBW1610	Upstream		Downstream	
Scenario:	Alt3	Invert:	12.55 ft	Invert:	12.09 ft
From Node:	NBW1610	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NBW1590	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	434.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1610OW	Upstream	Downstream
Scenario: Alt3	Invert: 17.34 ft	Invert: 17.33 ft
From Node: NBW1610	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1590	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW1610OW	Cross Section: RBW1610OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW1630	Upstream	Downstream
Scenario: Alt3	Invert: 13.61 ft	Invert: 12.55 ft
From Node: NBW1630	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW1610	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 207.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1630OW	Upstream	Downstream
Scenario: Alt3	Invert: 17.72 ft	Invert: 17.71 ft

From Node:	NBW1630	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW1490	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RBW1630OW	Cross Section:	RBW1630OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RBW1650		Upstream	Downstream
Scenario:	Alt3	Invert: 14.23 ft	Invert: 13.61 ft
From Node:	NBW1650	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NBW1630	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	576.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RBW1650OW		Upstream	Downstream
Scenario:	Alt3	Invert: 18.20 ft	Invert: 18.19 ft
From Node:	NBW1650	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW1770	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RBW1650OW	Cross Section: RBW1650OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Pipe Link: RBW1670	Upstream	Downstream
Scenario: Alt3	Invert: 14.55 ft	Invert: 14.23 ft
From Node: NBW1670	Manning's N: 0.0170	Manning's N: 0.0170
To Node: NBW1650	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 85.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1670OW	Upstream	Downstream
Scenario: Alt3	Invert: 18.14 ft	Invert: 18.13 ft
From Node: NBW1670	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1770	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW1670OW	Cross Section: RBW1670OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW1690	Upstream	Downstream
Scenario: Alt3	Invert: 15.09 ft	Invert: 14.55 ft
From Node: NBW1690	Manning's N: 0.0140	Manning's N: 0.0140
To Node: NBW1670	Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	322.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: RBW1690OW		Upstream		Downstream	
Scenario:	Alt3	Invert:	18.82 ft	Invert:	18.81 ft
From Node:	NBW1690	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW1670	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	RBW1690OW	Cross Section:	RBW1690OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RBW1710		Upstream		Downstream	
Scenario:	Alt3	Invert:	15.36 ft	Invert:	15.19 ft
From Node:	NBW1710	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	NBW1690	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	563.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RBW1730	Upstream	Downstream
Scenario: Alt3	Invert: 11.05 ft	Invert: 10.46 ft
From Node: NBW1730	Manning's N: 0.0160	Manning's N: 0.0160
To Node: NBW1570	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 650.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1730OW	Upstream	Downstream
Scenario: Alt3	Invert: 17.29 ft	Invert: 17.28 ft
From Node: NBW1730	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3750	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW1730OW	Cross Section: RBW1730OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Weir Link: RBW1730OWA	Bottom Clip
Scenario: Alt3	Default: 0.00 ft
From Node: NBW1730	Op Table:
To Node: NBW2610	

Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 19.00 ft
 Control Elevation: 19.00 ft
 Max Depth: 9999.00 ft
 Max Width: 220.00 ft
 Fillet: 0.00 ft

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: RBW1750

Upstream

Downstream

Scenario: Alt3
 From Node: NBW1750
 To Node: NBW1730
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 1050.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 11.87 ft

Invert: 10.94 ft

Manning's N: 0.0140

Manning's N: 0.0140

Geometry: Circular

Geometry: Circular

Max Depth: 4.00 ft

Max Depth: 4.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: RBW1750OW

Upstream

Downstream

Scenario: Alt3
 From Node: NBW1750
 To Node: NCL3750
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 17.55 ft

Invert: 17.54 ft

Manning's N: 0.0000

Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: RBW1750OW

Cross Section: RBW1750OW

Comment:

Pipe Link: RBW1770	Upstream	Downstream
Scenario: Alt3	Invert: 12.36 ft	Invert: 11.89 ft
From Node: NBW1770	Manning's N: 0.0150	Manning's N: 0.0150
To Node: NBW1750	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 350.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1770OW	Upstream	Downstream
Scenario: Alt3	Invert: 17.98 ft	Invert: 17.97 ft
From Node: NBW1770	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1750	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RBW1770OW	Cross Section: RBW1770OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RBW1790	Upstream	Downstream
Scenario: Alt3	Invert: 14.79 ft	Invert: 12.50 ft
From Node: NBW1790	Manning's N: 0.0150	Manning's N: 0.0150
To Node: NBW1770	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	1200.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: RBW1790OW		Upstream		Downstream	
Scenario:	Alt3	Invert:	18.33 ft	Invert:	18.32 ft
From Node:	NBW1790	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW1770	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	RBW1790OW	Cross Section:	RBW1790OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RBW1820A		Upstream		Downstream	
Scenario:	Alt3	Invert:	13.90 ft	Invert:	13.10 ft
From Node:	NBW1820	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	NBW1870	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	400.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: RBW1820B		Upstream	Downstream
Scenario:	Alt3	Invert: 13.90 ft	Invert: 13.90 ft
From Node:	NBW1820	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NBW1840	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	328.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RBW1820OW			
Scenario:	Alt3	Bottom Clip	
From Node:	NBW1820	Default:	0.00 ft
To Node:	NBW1840	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	18.10 ft	Discharge Coefficients	
Control Elevation:	18.10 ft	Weir Default:	2.600
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	20.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Channel Link: RBW1820OWA		Upstream	Downstream
Scenario:	Alt3	Invert: 17.80 ft	Invert: 17.60 ft
From Node:	NBW1820	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW1870	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	380.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		

Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Weir Link: RBW1820OWB

Scenario:	Alt3	Bottom Clip
From Node:	NBW1820	Default: 0.00 ft
To Node:	NBW2610	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	19.10 ft	Discharge Coefficients
Control Elevation:	19.10 ft	Weir Default: 2.600
Max Depth:	9999.00 ft	Weir Table:
Max Width:	100.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Pipe Link: RBW1830

	Upstream	Downstream
Scenario:	Alt3	Invert: 11.49 ft
From Node:	NBW1830	Invert: 10.88 ft
To Node:	NBW1730	Manning's N: 0.0150
Link Count:	1	Manning's N: 0.0150
Flow Direction:	Both	Geometry: Circular
Damping:	0.0000 ft	Geometry: Circular
Length:	600.00 ft	Max Depth: 4.50 ft
FHWA Code:	0	Max Depth: 4.50 ft
Entr Loss Coef:	0.00	Bottom Clip
Exit Loss Coef:	0.00	Default: 0.00 ft
Bend Loss Coef:	0.00	Op Table:
Bend Location:	0.00 dec	Op Table:
Energy Switch:	Energy	Ref Node:
	Manning's N: 0.0000	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1830OW

	Upstream	Downstream
Scenario:	Alt3	Invert: 18.56 ft
From Node:	NBW1850	Invert: 18.55 ft
To Node:	NBW1830	Manning's N: 0.0000
	Manning's N: 0.0000	Manning's N: 0.0000
	Geometry: Irregular	Geometry: Irregular

Link Count:	1	Cross Section:	RBW1830OW	Cross Section:	RBW1830OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: RBW1830OWA		Upstream	Downstream
Scenario:	Alt3	Invert: 19.10 ft	Invert: 16.60 ft
From Node:	NBW1830	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW2610	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: HENDERSON_FULL	Cross Section: HENDERSON_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	1027.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RBW1840		Upstream	Downstream
Scenario:	Alt3	Invert: 13.90 ft	Invert: 13.27 ft
From Node:	NBW1840	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NBW2790	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	312.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1840OW		Upstream	Downstream
Scenario:	Alt3	Invert: 17.30 ft	Invert: 16.80 ft
From Node:	NBW1840	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW2790	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	215.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: RBW1840OWB		Upstream	Downstream
Scenario:	Alt3	Invert: 18.50 ft	Invert: 17.90 ft
From Node:	NBW1840	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW2630	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	290.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RBW1850		Upstream	Downstream
Scenario:	Alt3	Invert: 11.43 ft	Invert: 11.38 ft
From Node:	NBW1850	Manning's N: 0.0140	Manning's N: 0.0140
To Node:	NBW1830	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction:	Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	85.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: RBW1850OW		Upstream		Downstream	
Scenario:	Alt3	Invert:	18.00 ft	Invert:	17.70 ft
From Node:	NBW1850	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBW1730	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	CURB_30FT_FULL	Cross Section:	CURB_30FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	528.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RBW1860		Upstream		Downstream	
Scenario:	Alt3	Invert:	14.23 ft	Invert:	13.64 ft
From Node:	NBW1860	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	NBW2810	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	1.17 ft	Max Depth:	1.17 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	295.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: RBW1860OW		Upstream	Downstream
Scenario:	Alt3	Invert: 17.60 ft	Invert: 17.10 ft
From Node:	NBW1860	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW2810	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	298.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RBW1870		Upstream	Downstream
Scenario:	Alt3	Invert: 13.06 ft	Invert: 12.26 ft
From Node:	NBW1870	Manning's N: 0.0150	Manning's N: 0.0150
To Node:	NBW1850	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	250.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1870OW		Upstream	Downstream
Scenario:	Alt3	Invert: 18.84 ft	Invert: 18.83 ft
From Node:	NBW1870	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW1830	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RBW1870OW	Cross Section: RBW1870OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RBW1890	Upstream	Downstream
Scenario: Alt3	Invert: 11.67 ft	Invert: 11.59 ft
From Node: NBW1890	Manning's N: 0.0140	Manning's N: 0.0140
To Node: NBW1850	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 615.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBW1910	Upstream	Downstream
Scenario: Alt3	Invert: 11.74 ft	Invert: 11.67 ft
From Node: NBW1910	Manning's N: 0.0150	Manning's N: 0.0150
To Node: NBW1890	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 353.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW1910OW	Upstream	Downstream
Scenario: Alt3	Invert: 17.83 ft	Invert: 17.82 ft

From Node:	NBW1910	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL3010	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RBW1910OW	Cross Section:	RBW1910OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RBW1930		Upstream	Downstream
Scenario:	Alt3	Invert: 11.74 ft	Invert: 11.59 ft
From Node:	NBW1930	Manning's N: 0.0150	Manning's N: 0.0150
To Node:	NBW1910	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	286.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RBW1930OW		Upstream	Downstream
Scenario:	Alt3	Invert: 17.91 ft	Invert: 17.90 ft
From Node:	NBW1930	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW1910	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RBW1930OW	Cross Section: RBW1930OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Pipe Link: RBW1950

Scenario: Alt3
 From Node: NBW1950
 To Node: NBW1930
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 42.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 14.13 ft
 Manning's N: 0.0100
 Geometry: Circular
 Max Depth: 0.67 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 13.63 ft
 Manning's N: 0.0100
 Geometry: Circular
 Max Depth: 0.67 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Weir Link: RBW1970

Scenario: Alt3
 From Node: NBW1970
 To Node: NBW1950
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 17.56 ft
 Control Elevation: 17.56 ft
 Max Depth: 18.22 ft
 Max Width: 1.05 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: RBW1970A

Scenario: Alt3
 From Node: NBW1970
 To Node: NBW1950
 Link Count: 1

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 18.22 ft
 Control Elevation: 18.22 ft
 Max Depth: 9999.00 ft
 Max Width: 10.00 ft
 Fillet: 0.00 ft

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Channel Link: RBW1970OW

Upstream

Downstream

Scenario: Alt3
 From Node: NBW1970
 To Node: NBW1850
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 18.64 ft

Invert: 18.63 ft

Manning's N: 0.0000

Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: RBW1970OW

Cross Section: RBW1970OW

Comment:

Pipe Link: RBW1990

Upstream

Downstream

Scenario: Alt3
 From Node: NBW1990
 To Node: NBW1930
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 371.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 11.88 ft

Invert: 11.74 ft

Manning's N: 0.0150

Manning's N: 0.0150

Geometry: Circular

Geometry: Circular

Max Depth: 4.50 ft

Max Depth: 4.50 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: RBW1990OW		Upstream	Downstream
Scenario:	Alt3	Invert: 18.65 ft	Invert: 18.64 ft
From Node:	NBW1990	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW1850	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RBW1990OW	Cross Section: RBW1990OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RBW2010		Upstream	Downstream
Scenario:	Alt3	Invert: 13.84 ft	Invert: 13.25 ft
From Node:	NBW2010	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NBW1990	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	421.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW2010OW		Upstream	Downstream
Scenario:	Alt3	Invert: 18.48 ft	Invert: 18.47 ft
From Node:	NBW2030	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW2010	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RBW2010OW	Cross Section: RBW2010OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Pipe Link: RBW2030

Scenario: Alt3
From Node: NBW2030
To Node: NBW2010
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 218.00 ft
FHWA Code: 0
Entr Loss Coef: 0.20
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 14.34 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 2.00 ft

Downstream

Invert: 14.75 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 2.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RBW2030OW

Scenario: Alt3
From Node: NBW2030
To Node: NBW1820
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 982.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 19.50 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: CURB_25FT_FULL

Downstream

Invert: 17.40 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: CURB_25FT_FULL

Comment:

Pipe Link: RBW2050

Scenario: Alt3

Upstream

Invert: 12.39 ft

Downstream

Invert: 11.88 ft

From Node:	NBW2050	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NBW1990	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	684.62 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory, DM Model					

Pipe Link:	RBW2060	Upstream		Downstream	
Scenario:	Alt3	Invert:	16.73 ft	Invert:	15.53 ft
From Node:	NBW2060	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NBW2050	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	401.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory					

Pipe Link:	RBW2070	Upstream		Downstream	
Scenario:	Alt3	Invert:	12.45 ft	Invert:	12.39 ft
From Node:	NBW2070	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NBW2050	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	647.03 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RBW2090

Upstream

Downstream

Scenario: Alt3
 From Node: NBW2090
 To Node: NBW2070
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 671.64 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 12.79 ft
 Manning's N: 0.0120

Invert: 12.37 ft
 Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 3.50 ft

Max Depth: 3.50 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RBW2140

Upstream

Downstream

Scenario: Alt3
 From Node: NBW2140
 To Node: NBW2130
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 145.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 13.92 ft
 Manning's N: 0.0120

Invert: 13.57 ft
 Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 1.50 ft

Max Depth: 1.50 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Added per ERP 9599

Weir Link: RBW2145

Scenario: Alt3
 From Node: NBW2145
 To Node: NBW2140

Bottom Clip

Default: 0.00 ft

Op Table:

Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 15.93 ft
 Control Elevation: 15.93 ft
 Max Depth: 2.11 ft
 Max Width: 0.71 ft
 Fillet: 0.00 ft

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Added per ERP 9599

Weir Link: RBW2145B

Scenario: Alt3
 From Node: STORAGE4
 To Node: NBW2145
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 14.64 ft
 Control Elevation: 14.64 ft
 Max Depth: 4.00 ft
 Max Width: 64.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Added per ERP 9599

Pipe Link: RBW2150

Scenario: Alt3
 From Node: NBW2150
 To Node: NBW2070
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 428.10 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 12.68 ft

Manning's N: 0.0120

Geometry: Horizontal Ellipse

Max Depth: 3.16 ft

Downstream

Invert: 12.43 ft

Manning's N: 0.0120

Geometry: Horizontal Ellipse

Max Depth: 3.16 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RBW2170		Upstream	Downstream
Scenario:	Alt3	Invert: 14.58 ft	Invert: 14.27 ft
From Node:	NBW2170	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NBW2150	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	361.13 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, DM Model			

Pipe Link: RBW2190		Upstream	Downstream
Scenario:	Alt3	Invert: 15.55 ft	Invert: -0.86 ft
From Node:	NBW2190	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NBW2170	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	104.27 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, DM Model			

Pipe Link: RBW2210		Upstream	Downstream
Scenario:	Alt3	Invert: 12.93 ft	Invert: 12.68 ft
From Node:	NBW2210	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NBW2150	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 2.83 ft	Max Depth: 2.83 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	212.63 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RBW2230	Upstream	Downstream
Scenario: Alt3	Invert: 14.20 ft	Invert: 13.59 ft
From Node: NBW2230	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW2210	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 319.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RBW2250	Upstream	Downstream
Scenario: Alt3	Invert: 13.53 ft	Invert: 12.93 ft
From Node: NBW2250	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW2210	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.83 ft	Max Depth: 2.83 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 302.75 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RBW2270	Upstream	Downstream
Scenario: Alt3	Invert: 14.25 ft	Invert: 13.53 ft

From Node:	NBW2270	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NBW2250	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	2.83 ft	Max Depth:	2.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	582.53 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory, DM Model					

Pipe Link:	RBW2290	Upstream		Downstream	
Scenario:	Alt3	Invert:	14.68 ft	Invert:	14.13 ft
From Node:	NBW2290	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NBW2270	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	387.08 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory, DM Model					

Pipe Link:	RBW2310	Upstream		Downstream	
Scenario:	Alt3	Invert:	14.98 ft	Invert:	14.25 ft
From Node:	NBW2310	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NBW2270	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	1.58 ft	Max Depth:	1.58 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	228.38 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy	Ref Node: Manning's N: 0.0000	Ref Node: Manning's N: 0.0000
Comment: Inventory, DM Model		

Pipe Link: RBW2330	Upstream	Downstream
Scenario: Alt3	Invert: 15.28 ft	Invert: 14.64 ft
From Node: NBW2330	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW2310	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 435.16 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, DM Model		

Pipe Link: RBW2350	Upstream	Downstream
Scenario: Alt3	Invert: 9.03 ft	Invert: 8.55 ft
From Node: NBW2350	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW1410	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 285.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RBW2350OWB	Upstream	Downstream
Scenario: Alt3	Invert: 15.80 ft	Invert: 15.00 ft
From Node: NBW2350	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1410	Geometry: Irregular	Geometry: Irregular

Link Count: 1 Cross Section: LOCAL_20FT_HALF Cross Section: LOCAL_20FT_HALF
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 310.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RBW2370	Upstream	Downstream
Scenario: Alt3	Invert: 12.10 ft	Invert: 10.03 ft
From Node: NBW2370	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW2350	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 628.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW2370OWA	Upstream	Downstream
Scenario: Alt3	Invert: 16.10 ft	Invert: 15.70 ft
From Node: NBW2380	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1353	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 200.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RBW2370OWB		
	Upstream	Downstream
Scenario: Alt3	Invert: 15.40 ft	Invert: 15.90 ft
From Node: NBW2370	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW2350	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 630.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Weir Link: RBW2380OWA		
Scenario: Alt3	Bottom Clip	
From Node: NBW2380	Default: 0.00 ft	
To Node: NBW2370	Op Table:	
Link Count: 1	Ref Node:	
Flow Direction: Both	Top Clip	
Damping: 0.0000 ft	Default: 0.00 ft	
Weir Type: Broad Crested Vertical	Op Table:	
Geometry Type: Rectangular	Ref Node:	
Invert: 16.20 ft	Discharge Coefficients	
Control Elevation: 16.20 ft	Weir Default: 2.600	
Max Depth: 9999.00 ft	Weir Table:	
Max Width: 200.00 ft	Orifice Default: 0.600	
Fillet: 0.00 ft	Orifice Table:	

Comment:

Weir Link: RBW2385A		
Scenario: Alt3	Bottom Clip	
From Node: NBW2385	Default: 0.00 ft	
To Node: NBW2387	Op Table:	
Link Count: 1	Ref Node:	
Flow Direction: Both	Top Clip	
Damping: 0.0000 ft	Default: 0.00 ft	

Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 18.43 ft
Control Elevation: 18.43 ft
Max Depth: 0.25 ft
Max Width: 10.00 ft
Fillet: 0.00 ft

Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RBW2385B

Scenario: Alt3
From Node: NBW2385
To Node: NBW2387
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 18.63 ft
Control Elevation: 18.63 ft
Max Depth: 9999.00 ft
Max Width: 15.50 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RBW2385OWA

Scenario: Alt3
From Node: NBW2385
To Node: NBW2380
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 18.70 ft
Control Elevation: 18.70 ft
Max Depth: 9999.00 ft
Max Width: 130.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RBW2385OWB

Scenario: Alt3
 From Node: NBW2385
 To Node: NSR0881
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 18.45 ft
 Control Elevation: 18.45 ft
 Max Depth: 9999.00 ft
 Max Width: 150.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RBW2387

Scenario: Alt3
 From Node: NBW2387
 To Node: NBW2380
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 35.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 1.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 15.37 ft
 Manning's N: 0.0120

Geometry: Circular

Max Depth: 1.50 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Manning's N: 0.0000

Downstream

Invert: 15.30 ft
 Manning's N: 0.0120

Geometry: Circular

Max Depth: 1.50 ft

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Comment:

Pipe Link: RBW2390

Scenario: Alt3
 From Node: NBW2390
 To Node: NBW2350
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 644.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00

Upstream

Invert: 9.74 ft
 Manning's N: 0.0130

Geometry: Circular

Max Depth: 4.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Downstream

Invert: 9.03 ft
 Manning's N: 0.0130

Geometry: Circular

Max Depth: 4.00 ft

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Bend Location: 0.00 dec
Energy Switch: Energy

Op Table:
Ref Node:
Manning's N: 0.0000

Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RBW2390OW

Upstream

Downstream

Scenario: Alt3
From Node: NBW2390
To Node: NBW2350
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 638.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 17.40 ft

Invert: 16.00 ft

Manning's N: 0.0000

Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: LOCAL_20FT_FULL

Cross Section: LOCAL_20FT_FULL

Comment:

Pipe Link: RBW2410

Upstream

Downstream

Scenario: Alt3
From Node: NBW2410
To Node: NBW2390
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 640.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 10.18 ft

Invert: 9.74 ft

Manning's N: 0.0130

Manning's N: 0.0130

Geometry: Circular

Geometry: Circular

Max Depth: 3.00 ft

Max Depth: 3.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: RBW2410OWA

Upstream

Downstream

Scenario: Alt3
From Node: NBW2410

Invert: 17.80 ft

Invert: 17.30 ft

Manning's N: 0.0000

Manning's N: 0.0000

To Node:	NBW2390	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	LOCAL_20FT_FULL	Cross Section:	LOCAL_20FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	255.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Weir Link: RBW2410OWB			
Scenario:	Alt3	Bottom Clip	
From Node:	NBW2410	Default:	0.00 ft
To Node:	NBW1480	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	18.30 ft	Discharge Coefficients	
Control Elevation:	18.30 ft	Weir Default:	2.600
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	45.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Pipe Link: RBW2430					
Scenario:	Alt3	Upstream		Downstream	
		Invert:	10.59 ft	Invert:	10.18 ft
From Node:	NBW2430	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	NBW2410	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default: 0.00 ft			
Length:	655.00 ft	Op Table:			
FHWA Code:	0	Ref Node:			
Entr Loss Coef:	0.50	Manning's N: 0.0000			
Exit Loss Coef:	0.50	Manning's N: 0.0000			
Bend Loss Coef:	0.00	Top Clip			
Bend Location:	0.00 dec	Default: 0.00 ft			
Energy Switch:	Energy	Op Table:			
		Ref Node:			
		Manning's N: 0.0000			

Comment:

Channel Link: RBW2430OWA		Upstream	Downstream
Scenario:	Alt3	Invert: 18.00 ft	Invert: 17.00 ft
From Node:	NBW2430	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0881	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: HENDERSON_FULL	Cross Section: HENDERSON_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	400.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: RBW2430OWB		Upstream	Downstream
Scenario:	Alt3	Invert: 17.00 ft	Invert: 16.50 ft
From Node:	NBW2430	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW2410	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	275.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RBW2450		Upstream	Downstream
Scenario:	Alt3	Invert: 10.99 ft	Invert: 10.59 ft
From Node:	NBW2450	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NBW2430	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	35.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RBW2470

		Upstream	Downstream
Scenario:	Alt3	Invert: 10.61 ft	Invert: 10.11 ft
From Node:	NBW2470	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NBW2450	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 3.16 ft	Max Depth: 3.16 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	187.00 ft	Op Table:	
FHWA Code:	0	Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000

Comment:

Weir Link: RBW2470OWA

Scenario:	Alt3	Bottom Clip	
From Node:	NBW2470	Default:	0.00 ft
To Node:	NBW2430	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	16.10 ft	Discharge Coefficients	
Control Elevation:	16.10 ft	Weir Default:	2.600
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	40.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: RBW2490	Upstream	Downstream
Scenario: Alt3	Invert: 11.10 ft	Invert: 10.57 ft
From Node: NBW2490	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW2470	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 3.17 ft	Max Depth: 3.17 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 203.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RBW2490OW	Upstream	Downstream
Scenario: Alt3	Invert: 16.60 ft	Invert: 14.60 ft
From Node: NBW2490	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW2470	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: DALE_MABRY_FUL	Cross Section: DALE_MABRY_FUL
Flow Direction: Both	L	L
Damping: 0.0000 ft		
Length: 213.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Pipe Link: RBW2510	Upstream	Downstream
Scenario: Alt3	Invert: 11.33 ft	Invert: 11.10 ft
From Node: NBW2510	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW2490	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 3.17 ft	Max Depth: 3.17 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 252.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RBW2510OWA

Scenario: Alt3	Bottom Clip
From Node: NBW2510	Default: 0.00 ft
To Node: NBW1550	Op Table:
Link Count: 1	Ref Node:
Flow Direction: Both	Top Clip
Damping: 0.0000 ft	Default: 0.00 ft
Weir Type: Broad Crested Vertical	Op Table:
Geometry Type: Rectangular	Ref Node:
Invert: 17.20 ft	Discharge Coefficients
Control Elevation: 17.20 ft	Weir Default: 2.600
Max Depth: 9999.00 ft	Weir Table:
Max Width: 50.00 ft	Orifice Default: 0.600
Fillet: 0.00 ft	Orifice Table:

Comment:

Pipe Link: RBW2530

	Upstream	Downstream
Scenario: Alt3	Invert: 11.73 ft	Invert: 11.33 ft
From Node: NBW2530	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW2510	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 3.17 ft	Max Depth: 3.17 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 394.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBW2550

	Upstream	Downstream
Scenario: Alt3	Invert: 16.13 ft	Invert: 13.93 ft
From Node: NBW2550	Manning's N: 0.0100	Manning's N: 0.0100

To Node:	NBW2530	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	30.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: RBW2570		
Scenario:	Alt3	Bottom Clip
From Node:	NBW2570	Default: 0.00 ft
To Node:	NBW2550	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	17.51 ft	Discharge Coefficients
Control Elevation:	17.51 ft	Weir Default: 3.200
Max Depth:	9999.00 ft	Weir Table:
Max Width:	10.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:
Comment:		

Channel Link: RBW2570OW					
Scenario:	Alt3	Upstream		Downstream	
From Node:	NBW2570	Invert:	18.50 ft	Invert:	18.49 ft
To Node:	NBW1510	Manning's N:	0.0000	Manning's N:	0.0000
Link Count:	1	Geometry:	Irregular	Geometry:	Irregular
Flow Direction:	Both	Cross Section:	RBW2570OW	Cross Section:	RBW2570OW
Damping:	0.0000				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RBW2590	Upstream	Downstream
Scenario: Alt3	Invert: 12.02 ft	Invert: 11.73 ft
From Node: NBW2590	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW2530	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 3.17 ft	Max Depth: 3.17 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 236.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBW2610	Upstream	Downstream
Scenario: Alt3	Invert: 9.65 ft	Invert: 9.75 ft
From Node: NBW2610	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NBW2450	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 97.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RBW2610OWA	Bottom Clip
Scenario: Alt3	Default: 0.00 ft
From Node: NBW2610	Op Table:
To Node: NBW2470	Ref Node:
Link Count: 1	
Flow Direction: Both	Top Clip

Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 16.90 ft
 Control Elevation: 16.90 ft
 Max Depth: 9999.00 ft
 Max Width: 130.00 ft
 Fillet: 0.00 ft

Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RBW2630

Scenario: Alt3
 From Node: NBW2630
 To Node: NBW2610
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 405.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 11.46 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 2.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 11.14 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 2.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Bottom Clip

Top Clip

Comment:

Channel Link: RBW2630OW

Scenario: Alt3
 From Node: NBW2630
 To Node: NBW2610
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 374.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 17.30 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: LOCAL_20FT_FULL

Downstream

Invert: 16.60 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: LOCAL_20FT_FULL

Comment:

Pipe Link: RBW2650		Upstream	Downstream
Scenario:	Alt3	Invert: 11.32 ft	Invert: 11.14 ft
From Node:	NBW2650	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NBW2610	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	37.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: RBW2670		Upstream	Downstream
Scenario:	Alt3	Invert: 11.63 ft	Invert: 11.32 ft
From Node:	NBW2670	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NBW2650	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	330.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RBW2670OW		Upstream	Downstream
Scenario:	Alt3	Invert: 17.30 ft	Invert: 16.60 ft
From Node:	NBW2670	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW2650	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: DALE_MABRY_HAL	Cross Section: DALE_MABRY_HAL
Flow Direction:	Both	F	F
Damping:	0.0000 ft		
Length:	360.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RBW2680	Upstream	Downstream
Scenario: Alt3	Invert: 12.41 ft	Invert: 11.41 ft
From Node: NBW2680	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW2690	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 425.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW2680OW	Upstream	Downstream
Scenario: Alt3	Invert: 17.50 ft	Invert: 16.50 ft
From Node: NBW2680	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW2690	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL

Flow Direction: Both
 Damping: 0.0000 ft
 Length: 425.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RBW2690	Upstream	Downstream
Scenario: Alt3	Invert: 11.97 ft	Invert: 11.63 ft

From Node: NBW2690
 To Node: NBW2670
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 315.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Manning's N: 0.0130	Manning's N: 0.0130
Geometry: Circular	Geometry: Circular
Max Depth: 3.00 ft	Max Depth: 3.00 ft
Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RBW2690B

Scenario: Alt3
 From Node: NBW2450
 To Node: NBW2690
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 660.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream	Downstream
Invert: 6.70 ft	Invert: 6.50 ft
Manning's N: 0.0130	Manning's N: 0.0130
Geometry: Rectangular	Geometry: Rectangular
Max Depth: 5.00 ft	Max Depth: 5.00 ft
Max Width: 6.00 ft	Max Width: 6.00 ft
Fillet: 0.00 ft	Fillet: 0.00 ft
Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW2690OW

Scenario: Alt3
 From Node: NBW2690
 To Node: NBW2430
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 419.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00

Upstream	Downstream
Invert: 16.80 ft	Invert: 16.20 ft
Manning's N: 0.0000	Manning's N: 0.0000
Geometry: Irregular	Geometry: Irregular
Cross Section: DALE_MABRY_HAL	Cross Section: DALE_MABRY_HAL
F	F

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Weir Link: RBW270900C

Scenario:	Alt3	Bottom Clip
From Node:	NBW2790	Default: 0.00 ft
To Node:	NBW2780	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	18.40 ft	Discharge Coefficients
Control Elevation:	18.40 ft	Weir Default: 2.600
Max Depth:	9999.00 ft	Weir Table:
Max Width:	40.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Pipe Link: RBW2710

	Upstream	Downstream
Scenario:	Alt3	Invert: 13.43 ft
From Node:	NBW2710	Invert: 13.02 ft
To Node:	NBW2680	Manning's N: 0.0130
Link Count:	1	Manning's N: 0.0130
Flow Direction:	Both	Geometry: Horizontal Ellipse
Damping:	0.0000 ft	Geometry: Horizontal Ellipse
Length:	80.00 ft	Max Depth: 1.00 ft
FHWA Code:	0	Max Depth: 1.00 ft
Entr Loss Coef:	0.50	Bottom Clip
Exit Loss Coef:	0.50	Default: 0.00 ft
Bend Loss Coef:	0.00	Op Table:
Bend Location:	0.00 dec	Op Table:
Energy Switch:	Energy	Ref Node:
	Manning's N: 0.0000	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RBW2730

Scenario:	Alt3	Bottom Clip
From Node:	NBW2730	Default: 0.00 ft

To Node:	NBW2710	
Link Count:	1	Op Table:
Flow Direction:	Both	Ref Node:
Damping:	0.0000 ft	Top Clip
Weir Type:	Sharp Crested Vertical	Default: 0.00 ft
Geometry Type:	Rectangular	Op Table:
Invert:	18.60 ft	Ref Node:
Control Elevation:	18.60 ft	Discharge Coefficients
Max Depth:	9999.00 ft	Weir Default: 3.200
Max Width:	10.00 ft	Weir Table:
Fillet:	0.00 ft	Orifice Default: 0.600
		Orifice Table:
Comment:		

Weir Link: RBW2730A			
Scenario:	Alt3	Bottom Clip	
From Node:	NBW2730	Default:	0.00 ft
To Node:	NBW2710	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	17.70 ft	Discharge Coefficients	
Control Elevation:	17.70 ft	Weir Default:	3.200
Max Depth:	0.90 ft	Weir Table:	
Max Width:	0.35 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Pipe Link: RBW2770		Upstream		Downstream	
Scenario:	Alt3	Invert:	12.24 ft	Invert:	11.46 ft
From Node:	NBW2770	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	NBW2630	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	214.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RBW2775

Scenario: Alt3
 From Node: NBW2775
 To Node: NBW0330
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 25.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 1.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 3.50 ft
 Manning's N: 0.0130

Geometry: Circular

Max Depth: 1.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Downstream

Invert: 3.40 ft
 Manning's N: 0.0130

Geometry: Circular

Max Depth: 1.00 ft

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Comment:

Pipe Link: RBW2780

Scenario: Alt3
 From Node: NBW2780
 To Node: NBW2680
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 176.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 12.61 ft
 Manning's N: 0.0130

Geometry: Horizontal Ellipse

Max Depth: 2.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Downstream

Invert: 12.41 ft
 Manning's N: 0.0130

Geometry: Horizontal Ellipse

Max Depth: 2.00 ft

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Comment:

Channel Link: RBW2780OW

Scenario: Alt3
 From Node: NBW2780
 To Node: NBW2680
 Link Count: 1
 Flow Direction: Both

Upstream

Invert: 18.20 ft
 Manning's N: 0.0000

Geometry: Irregular

Cross Section: CURB_25FT_FULL

Downstream

Invert: 17.50 ft
 Manning's N: 0.0000

Geometry: Irregular

Cross Section: CURB_25FT_FULL

Damping: 0.0000 ft
 Length: 176.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Weir Link: RBW2780OWA

Scenario:	Alt3	Bottom Clip
From Node:	NBW2780	Default: 0.00 ft
To Node:	NBW2670	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	18.20 ft	Discharge Coefficients
Control Elevation:	18.20 ft	Weir Default: 2.600
Max Depth:	9999.00 ft	Weir Table:
Max Width:	40.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Pipe Link: RBW2790

	Upstream	Downstream
Scenario:	Alt3	
From Node:	NBW2790	
To Node:	NBW2770	
Link Count:	1	
Flow Direction:	Both	
Damping:	0.0000 ft	
Length:	663.00 ft	
FHWA Code:	0	
Entr Loss Coef:	0.20	
Exit Loss Coef:	0.50	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	
	Invert: 13.27 ft	Invert: 12.24 ft
	Manning's N: 0.0130	Manning's N: 0.0130
	Geometry: Circular	Geometry: Circular
	Max Depth: 2.00 ft	Max Depth: 2.00 ft
	Bottom Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RBW2790OW		Upstream	Downstream
Scenario:	Alt3	Invert: 17.20 ft	Invert: 17.00 ft
From Node:	NBW2810	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW2790	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	300.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: RBW2790OWA		Upstream	Downstream
Scenario:	Alt3	Invert: 17.70 ft	Invert: 17.40 ft
From Node:	NBW2790	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW2630	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	205.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Weir Link: RBW2790OWB		Bottom Clip
Scenario:	Alt3	Default: 0.00 ft
From Node:	NBW2790	Op Table:
To Node:	NBW2780	Ref Node:
Link Count:	1	
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	18.40 ft	Discharge Coefficients
Control Elevation:	18.40 ft	Weir Default: 2.600

Max Depth: 9999.00 ft
 Max Width: 40.00 ft
 Fillet: 0.00 ft

Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: RBW2790OWD

Scenario: Alt3
 From Node: NBW2790
 To Node: NBW2780
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 18.20 ft
 Control Elevation: 18.20 ft
 Max Depth: 9999.00 ft
 Max Width: 180.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RBW2810

Scenario: Alt3
 From Node: NBW2810
 To Node: NBW2790
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 314.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.20
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 13.64 ft
 Manning's N: 0.0130

Geometry: Horizontal Ellipse

Max Depth: 1.58 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 13.27 ft
 Manning's N: 0.0130

Geometry: Horizontal Ellipse

Max Depth: 1.58 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: RBW2830.1

Scenario: Alt3
 From Node: NBW2830

Upstream

Invert: 14.52 ft
 Manning's N: 0.0130

Downstream

Invert: 13.64 ft
 Manning's N: 0.0130

To Node: NBW2810	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.17 ft	Max Depth: 1.17 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 650.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RBW2830OW	Upstream	Downstream
Scenario: Alt3	Invert: 17.20 ft	Invert: 17.00 ft
From Node: NBW2830	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW2810	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 650.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Pipe Link: RCL0030	Upstream	Downstream
Scenario: Alt3	Invert: -3.68 ft	Invert: -3.77 ft
From Node: NCL0030	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0010	Geometry: Rectangular	Geometry: Rectangular
Link Count: 2	Max Depth: 6.00 ft	Max Depth: 6.00 ft
Flow Direction: Both	Max Width: 7.00 ft	Max Width: 7.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 165.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 1.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft

	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RCL0050	Upstream	Downstream
Scenario: Alt3	Invert: -1.55 ft	Invert: -1.87 ft
From Node: NCL0050	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0030	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 155.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RCL0070	Upstream	Downstream
Scenario: Alt3	Invert: -0.67 ft	Invert: -1.87 ft
From Node: NCL0070	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0030	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 500.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RCL0070OW	Upstream	Downstream
Scenario: Alt3	Invert: 4.04 ft	Invert: 4.03 ft
From Node: NCL0070	Manning's N: 0.0000	Manning's N: 0.0000

To Node:	NCL0010	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL0070OW	Cross Section: RCL0070OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RCL0090	Upstream	Downstream
Scenario: Alt3	Invert: 0.93 ft	Invert: -0.37 ft
From Node: NCL0090	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0070	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 495.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RCL0090OW	Upstream	Downstream
Scenario: Alt3	Invert: 5.12 ft	Invert: 5.11 ft
From Node: NCL0090	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL0010	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL0090OW	Cross Section: RCL0090OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		

Energy Switch: Energy

Comment:

Pipe Link: RCL0110	Upstream	Downstream
Scenario: Alt3	Invert: -3.47 ft	Invert: -3.68 ft
From Node: NCL0110	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0030	Geometry: Rectangular	Geometry: Rectangular
Link Count: 2	Max Depth: 6.00 ft	Max Depth: 6.00 ft
Flow Direction: Both	Max Width: 7.00 ft	Max Width: 7.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 585.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL0130	Upstream	Downstream
Scenario: Alt3	Invert: -3.43 ft	Invert: -3.47 ft
From Node: NCL0130	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0110	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 4.83 ft	Max Depth: 4.83 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 165.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL0150	Upstream	Downstream
Scenario: Alt3	Invert: 0.13 ft	Invert: -3.43 ft
From Node: NCL0150	Manning's N: 0.0120	Manning's N: 0.0120

To Node: NCL0130	Geometry: Circular	Geometry: Circular
Link Count: 2	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 573.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RCL0150A	Upstream	Downstream
Scenario: Alt3	Invert: 0.13 ft	Invert: -0.86 ft
From Node: NCL0150	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NOC0290	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 142.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RCL0150OW	Upstream	Downstream
Scenario: Alt3	Invert: 5.12 ft	Invert: 5.11 ft
From Node: NCL0150	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NOC0070	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL0150OW	Cross Section: RCL0150OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		

Energy Switch: Energy

Comment:

Pipe Link: RCL0170	Upstream	Downstream
Scenario: Alt3	Invert: -1.27 ft	Invert: -1.07 ft
From Node: NCL0170	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0150	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 142.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL0170OW	Upstream	Downstream
Scenario: Alt3	Invert: 4.66 ft	Invert: 4.65 ft
From Node: NCL0170	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NOC0070	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL0170OW	Cross Section: RCL0170OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL0190	Upstream	Downstream
Scenario: Alt3	Invert: -0.07 ft	Invert: -0.27 ft
From Node: NCL0190	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0170	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft

Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 136.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RCL0190OW	Upstream	Downstream
Scenario: Alt3	Invert: 5.75 ft	Invert: 5.74 ft
From Node: NCL0190	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL0150	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL0190OW	Cross Section: RCL0190OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Pipe Link: RCL0210	Upstream	Downstream
Scenario: Alt3	Invert: -0.97 ft	Invert: -1.27 ft
From Node: NCL0210	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0170	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 408.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RCL0210OW		Upstream	Downstream
Scenario:	Alt3	Invert: 3.36 ft	Invert: 3.35 ft
From Node:	NCL0210	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NOC0330	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL0210OW	Cross Section: RCL0210OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RCL0230		Upstream	Downstream
Scenario:	Alt3	Invert: 0.63 ft	Invert: -0.17 ft
From Node:	NCL0230	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL0210	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	121.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RCL0230OW		Upstream	Downstream
Scenario:	Alt3	Invert: 5.22 ft	Invert: 5.21 ft
From Node:	NCL0230	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL0350	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL0230OW	Cross Section: RCL0230OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RCL0250	Upstream	Downstream
Scenario: Alt3	Invert: 4.13 ft	Invert: 3.63 ft
From Node: NCL0250	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0230	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 154.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RCL0270	Bottom Clip
Scenario: Alt3	Default: 0.00 ft
From Node: NCL0270	Op Table:
To Node: NCL0250	Ref Node:
Link Count: 1	Top Clip
Flow Direction: Both	Default: 0.00 ft
Damping: 0.0000 ft	Op Table:
Weir Type: Sharp Crested Vertical	Ref Node:
Geometry Type: Rectangular	Discharge Coefficients
Invert: 5.93 ft	Weir Default: 3.200
Control Elevation: 5.93 ft	Weir Table:
Max Depth: 9999.00 ft	Orifice Default: 0.600
Max Width: 5.00 ft	Orifice Table:
Fillet: 0.00 ft	

Comment:

Channel Link: RCL0270OW	Upstream	Downstream
Scenario: Alt3	Invert: 5.42 ft	Invert: 5.41 ft
From Node: NCL0270	Manning's N: 0.0000	Manning's N: 0.0000

To Node:	NCL0350	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL0270OW	Cross Section: RCL0270OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RCL0290	Upstream	Downstream
Scenario: Alt3	Invert: -0.86 ft	Invert: -0.97 ft
From Node: NCL0290	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0210	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 65.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RCL0310	Upstream	Downstream
Scenario: Alt3	Invert: -0.57 ft	Invert: -0.86 ft
From Node: NCL0310	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0290	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 286.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: RCL0330	Upstream	Downstream
Scenario: Alt3	Invert: 0.33 ft	Invert: -0.57 ft
From Node: NCL0330	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0310	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 75.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL0330OW	Upstream	Downstream
Scenario: Alt3	Invert: 5.09 ft	Invert: 5.08 ft
From Node: NCL0330	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NOC0330	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL0330OW	Cross Section: RCL0330OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL0350	Upstream	Downstream
Scenario: Alt3	Invert: 0.63 ft	Invert: -0.57 ft
From Node: NCL0350	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0310	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft

Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 121.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RCL0370	Upstream	Downstream
Scenario: Alt3	Invert: 1.63 ft	Invert: 0.63 ft
From Node: NCL0370	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0350	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 615.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RCL0370OW		Upstream		Downstream	
Scenario:	Alt3	Invert:	6.78 ft	Invert:	6.77 ft
From Node:	NCL0370	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL0350	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	RCL0370OW	Cross Section:	RCL0370OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RCL0390	Upstream	Downstream
Scenario: Alt3	Invert: -3.06 ft	Invert: -3.47 ft
From Node: NCL0390	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0110	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 6.00 ft	Max Depth: 6.00 ft
Flow Direction: Both	Max Width: 9.00 ft	Max Width: 9.00 ft
Damping: 0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 460.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL0390OW	Upstream	Downstream
Scenario: Alt3	Invert: 4.83 ft	Invert: 4.82 ft
From Node: NCL0390	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL0110	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL0390OW	Cross Section: RCL0390OW
Flow Direction: Both		
Damping: 0.0000		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL0410	Upstream	Downstream
Scenario: Alt3	Invert: 1.23 ft	Invert: 0.83 ft
From Node: NCL0410	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0390	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 183.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: RCL0430	Upstream	Downstream
Scenario: Alt3	Invert: 1.63 ft	Invert: 1.23 ft
From Node: NCL0430	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0410	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 204.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RCL0430OW	Upstream	Downstream
Scenario: Alt3	Invert: 5.15 ft	Invert: 5.14 ft
From Node: NCL0430	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL0390	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL0430OW	Cross Section: RCL0430OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Pipe Link: RCL0450	Upstream	Downstream
Scenario: Alt3	Invert: -2.72 ft	Invert: -3.04 ft
From Node: NCL0450	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0390	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 6.00 ft	Max Depth: 6.00 ft
Flow Direction: Both	Max Width: 9.00 ft	Max Width: 9.00 ft
Damping: 0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 367.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL0450OW	Upstream	Downstream
Scenario: Alt3	Invert: 6.34 ft	Invert: 6.33 ft
From Node: NCL0450	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL0390	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL0450OW	Cross Section: RCL0450OW
Flow Direction: Both		
Damping: 0.0000		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL0470	Upstream	Downstream
Scenario: Alt3	Invert: -2.41 ft	Invert: -2.72 ft
From Node: NCL0470	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0450	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 6.00 ft	Max Depth: 6.00 ft
Flow Direction: Both	Max Width: 9.00 ft	Max Width: 9.00 ft
Damping: 0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 353.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft

Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft

Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL0470OW

Upstream

Downstream

Scenario: Alt3	Invert: 7.79 ft	Invert: 7.78 ft
From Node: NCL0470	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL0450	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL0470OW	Cross Section: RCL0470OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL0490

Upstream

Downstream

Scenario: Alt3	Invert: -2.17 ft	Invert: -2.41 ft
From Node: NCL0490	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0470	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 6.00 ft	Max Depth: 6.00 ft
Flow Direction: Both	Max Width: 9.00 ft	Max Width: 9.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 314.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.50	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft

Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL0490OW		Upstream	Downstream
Scenario:	Alt3	Invert: 5.79 ft	Invert: 5.78 ft
From Node:	NCL0490	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL0070	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL0490OW	Cross Section: RCL0490OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RCL0510		Upstream	Downstream
Scenario:	Alt3	Invert: -1.57 ft	Invert: -1.60 ft
From Node:	NCL0510	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL0490	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	12.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RCL0510OW		Upstream	Downstream
Scenario:	Alt3	Invert: 7.41 ft	Invert: 7.40 ft
From Node:	NCL0510	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL0490	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL0510OW	Cross Section: RCL0510OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RCL0530	Upstream	Downstream
Scenario: Alt3	Invert: 2.03 ft	Invert: 0.33 ft
From Node: NCL0530	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0510	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 593.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL0550	Upstream	Downstream
Scenario: Alt3	Invert: 2.63 ft	Invert: 2.03 ft
From Node: NCL0550	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0530	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 27.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL0550OW	Upstream	Downstream
Scenario: Alt3	Invert: 8.17 ft	Invert: 8.16 ft

From Node:	NCL0550	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL0510	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL0550OW	Cross Section:	RCL0550OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RCL0570		Upstream	Downstream
Scenario:	Alt3	Invert: 3.83 ft	Invert: 2.63 ft
From Node:	NCL0570	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL0550	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	331.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RCL0570OW		Upstream	Downstream
Scenario:	Alt3	Invert: 8.78 ft	Invert: 8.77 ft
From Node:	NCL0570	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL0550	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL0570OW	Cross Section: RCL0570OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Pipe Link: RCL0590	Upstream	Downstream
Scenario: Alt3	Invert: -1.72 ft	Invert: -2.17 ft
From Node: NCL0590	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0490	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 6.00 ft	Max Depth: 6.00 ft
Flow Direction: Both	Max Width: 9.00 ft	Max Width: 9.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 313.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL0590OW	Upstream	Downstream
Scenario: Alt3	Invert: 6.60 ft	Invert: 6.59 ft
From Node: NCL0590	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL0490	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL0590OW	Cross Section: RCL0590OW

Flow Direction: Both

Damping: 0.0000 ft

Length: 33.00 ft

Contraction Coef: 0.00

Expansion Coef: 0.00

Entr Loss Coef: 0.00

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Pipe Link: RCL0610	Upstream	Downstream
Scenario: Alt3	Invert: -1.22 ft	Invert: -1.72 ft

From Node:	NCL0610	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL0590	Geometry:	Rectangular	Geometry:	Rectangular
Link Count:	1	Max Depth:	6.00 ft	Max Depth:	6.00 ft
Flow Direction:	Both	Max Width:	9.00 ft	Max Width:	9.00 ft
Damping:	0.0000	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	344.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL0610OW		Upstream		Downstream	
Scenario:	Alt3	Invert:	7.55 ft	Invert:	7.54 ft
From Node:	NCL0610	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL0590	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	RCL0610OW	Cross Section:	RCL0610OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RCL0630		Upstream		Downstream	
Scenario:	Alt3	Invert:	-0.70 ft	Invert:	-1.22 ft
From Node:	NCL0630	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL0610	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	6.00 ft	Max Depth:	6.00 ft
Flow Direction:	Both	Max Width:	9.00 ft	Max Width:	9.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	368.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	

Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL0630OW	Upstream	Downstream
Scenario: Alt3	Invert: 8.76 ft	Invert: 8.75 ft
From Node: NCL0630	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW0950	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL0630OW	Cross Section: RCL0630OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL0650	Upstream	Downstream
Scenario: Alt3	Invert: 1.33 ft	Invert: 0.83 ft
From Node: NCL0650	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0630	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 12.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL0670	Upstream	Downstream
Scenario: Alt3	Invert: 1.63 ft	Invert: 1.33 ft
From Node: NCL0670	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0650	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 577.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RCL0690	Upstream	Downstream
Scenario: Alt3	Invert: 4.03 ft	Invert: 1.63 ft
From Node: NCL0690	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0670	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 43.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RCL0690OW	Upstream	Downstream
Scenario: Alt3	Invert: 10.96 ft	Invert: 10.95 ft
From Node: NCL0690	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL0810	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL0690OW	Cross Section: RCL0690OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RCL0710	Upstream	Downstream
Scenario: Alt3	Invert: 4.13 ft	Invert: 4.03 ft
From Node: NCL0710	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0690	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 94.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL0730	Upstream	Downstream
Scenario: Alt3	Invert: 5.13 ft	Invert: 4.13 ft
From Node: NCL0730	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0710	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 48.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL0730OW	Upstream	Downstream
Scenario: Alt3	Invert: 10.58 ft	Invert: 10.57 ft

From Node:	NCL0730	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL0810	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL0730OW	Cross Section:	RCL0730OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RCL0750	Upstream	Downstream
Scenario: Alt3	Invert: 6.43 ft	Invert: 6.33 ft
From Node: NCL0750	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0730	Geometry: Circular	Geometry: Circular
Link Count: 2	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 50.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RCL0750OW	Upstream	Downstream
Scenario: Alt3	Invert: 8.38 ft	Invert: 8.37 ft
From Node: NCL0750	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL0370	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL0750OW	Cross Section: RCL0750OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Pipe Link: RCL0770	Upstream	Downstream
Scenario: Alt3	Invert: 6.53 ft	Invert: 6.43 ft
From Node: NCL0770	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0750	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 173.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL0770OW	Upstream	Downstream
Scenario: Alt3	Invert: 9.51 ft	Invert: 9.50 ft
From Node: NCL0770	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL0750	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL0770OW	Cross Section: RCL0770OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL0790	Upstream	Downstream
Scenario: Alt3	Invert: 2.23 ft	Invert: 1.63 ft
From Node: NCL0790	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0670	Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	31.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: RCL0810	Upstream	Downstream
Scenario: Alt3	Invert: 2.43 ft	Invert: 2.23 ft
From Node: NCL0810	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0790	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 232.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RCL0810OW	Upstream	Downstream
Scenario: Alt3	Invert: 10.00 ft	Invert: 9.99 ft
From Node: NCL0810	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL0910	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL0810OW	Cross Section: RCL0810OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL0830	Upstream	Downstream
Scenario: Alt3	Invert: -0.22 ft	Invert: -0.52 ft
From Node: NCL0830	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0630	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 6.00 ft	Max Depth: 6.00 ft
Flow Direction: Both	Max Width: 8.00 ft	Max Width: 8.00 ft
Damping: 0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 623.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL0850	Upstream	Downstream
Scenario: Alt3	Invert: 1.49 ft	Invert: 0.81 ft
From Node: NCL0850	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0830	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 320.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL0850OW	Upstream	Downstream
Scenario: Alt3	Invert: 8.17 ft	Invert: 8.16 ft
From Node: NCL0850	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL0830	Geometry: Irregular	Geometry: Irregular

Link Count:	1	Cross Section:	RCL0850OW	Cross Section:	RCL0850OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RCL0870	Upstream	Downstream
Scenario: Alt3	Invert: 3.33 ft	Invert: 2.43 ft
From Node: NCL0870	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0810	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 360.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL0870A	Upstream	Downstream
Scenario: Alt3	Invert: 2.09 ft	Invert: 1.49 ft
From Node: NCL0870	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0850	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 293.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL0890	Upstream	Downstream
Scenario: Alt3	Invert: 2.31 ft	Invert: 2.09 ft
From Node: NCL0890	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0870	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 102.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL0910	Upstream	Downstream
Scenario: Alt3	Invert: 5.03 ft	Invert: 4.98 ft
From Node: NCL0910	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0890	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 25.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL0930	Upstream	Downstream
Scenario: Alt3	Invert: 2.85 ft	Invert: 2.09 ft
From Node: NCL0930	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0890	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	352.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL0930OW	Upstream	Downstream
Scenario: Alt3	Invert: 9.87 ft	Invert: 9.86 ft
From Node: NCL0930	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL0750	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL0930OW	Cross Section: RCL0930OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL0950	Upstream	Downstream
Scenario: Alt3	Invert: 7.19 ft	Invert: 6.53 ft
From Node: NCL0950	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0770	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 677.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL0950A	Upstream	Downstream
Scenario: Alt3	Invert: 4.27 ft	Invert: 3.35 ft
From Node: NCL0950	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0930	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 360.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RCL0950OW	Upstream	Downstream
Scenario: Alt3	Invert: 10.13 ft	Invert: 10.12 ft
From Node: NCL0950	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL0930	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL0950OW	Cross Section: RCL0950OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Pipe Link: RCL0970	Upstream	Downstream
Scenario: Alt3	Invert: 5.86 ft	Invert: 4.77 ft
From Node: NCL0970	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0950	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 666.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL0970OW		Upstream	Downstream
Scenario:	Alt3	Invert:	11.68 ft
From Node:	NCL0970	Manning's N:	0.0000
To Node:	NCL0950	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL0970OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RCL0990		Upstream	Downstream
Scenario:	Alt3	Invert:	7.42 ft
From Node:	NCL0990	Manning's N:	0.0120
To Node:	NCL0970	Geometry:	Circular
Link Count:	1	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	339.00 ft	Op Table:	
FHWA Code:	0	Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000

Comment:

Channel Link: RCL0990OW		Upstream	Downstream
Scenario:	Alt3	Invert:	10.94 ft
			Invert: 10.93 ft

From Node:	NCL0990	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL0950	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL0990OW	Cross Section:	RCL0990OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RCL1010	Upstream	Downstream
Scenario: Alt3	Invert: 8.13 ft	Invert: 7.92 ft
From Node: NCL1010	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0990	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 160.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RCL1030	Upstream	Downstream
Scenario: Alt3	Invert: 3.53 ft	Invert: 3.33 ft
From Node: NCL1030	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0870	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 44.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RCL1030OW

Upstream

Downstream

Scenario: Alt3
 From Node: NCL1030
 To Node: NCL0850
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 11.11 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RCL1030OW

Invert: 11.10 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RCL1030OW

Comment:

Pipe Link: RCL1050

Upstream

Downstream

Scenario: Alt3
 From Node: NCL1050
 To Node: NCL1030
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 93.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.20
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 4.83 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 2.30 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Invert: 4.63 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 2.30 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: RCL1050OW

Upstream

Downstream

Scenario: Alt3
 From Node: NCL1050
 To Node: NCL0930

Invert: 11.04 ft
 Manning's N: 0.0000
 Geometry: Irregular

Invert: 11.03 ft
 Manning's N: 0.0000
 Geometry: Irregular

Link Count: 1 Cross Section: RCL1050OW Cross Section: RCL1050OW
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RCL1070	Upstream	Downstream
Scenario: Alt3	Invert: 5.63 ft	Invert: 3.75 ft
From Node: NCL1070	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1030	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 369.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RCL1090	Bottom Clip	
Scenario: Alt3	Default: 0.00 ft	
From Node: NCL1090	Op Table:	
To Node: NCL1070	Ref Node:	
Link Count: 1	Top Clip	
Flow Direction: Both	Default: 0.00 ft	
Damping: 0.0000 ft	Op Table:	
Weir Type: Sharp Crested Vertical	Ref Node:	
Geometry Type: Rectangular	Discharge Coefficients	
Invert: 11.63 ft	Weir Default: 3.200	
Control Elevation: 11.63 ft	Weir Table:	
Max Depth: 9999.00 ft	Orifice Default: 0.600	
Max Width: 15.00 ft	Orifice Table:	
Fillet: 0.00 ft		

Comment:

Weir Link: RCL1090A

Scenario: Alt3
 From Node: NCL1090
 To Node: NCL1070
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 9.50 ft
 Control Elevation: 9.50 ft
 Max Depth: 11.63 ft
 Max Width: 3.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Channel Link: RCL1090OW**Upstream****Downstream**

Scenario: Alt3
 From Node: NCL1090
 To Node: NCL1150
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 7.91 ft
 Manning's N: 0.0000

Invert: 7.90 ft
 Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: RCL1090OW

Cross Section: RCL1090OW

Comment:

Pipe Link: RCL1110**Upstream****Downstream**

Scenario: Alt3
 From Node: NCL1110
 To Node: NCL1030
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 602.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00

Invert: 4.63 ft
 Manning's N: 0.0120

Invert: 4.03 ft
 Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 2.50 ft

Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Bend Location: 0.00 dec
Energy Switch: Energy

Op Table:
Ref Node:
Manning's N: 0.0000

Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RCL1110OW

Upstream

Downstream

Scenario: Alt3
From Node: NCL1130
To Node: NCL1110
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 11.38 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RCL1110OW

Invert: 11.37 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RCL1110OW

Comment:

Pipe Link: RCL1130

Upstream

Downstream

Scenario: Alt3
From Node: NCL1130
To Node: NCL1110
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 338.00 ft
FHWA Code: 0
Entr Loss Coef: 0.20
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 4.93 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 2.50 ft
Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Invert: 3.53 ft
Manning's N: 0.0120
Geometry: Circular
Max Depth: 2.50 ft
Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RCL1130OW

Upstream

Downstream

Scenario: Alt3
From Node: NCL1130

Invert: 7.86 ft
Manning's N: 0.0000

Invert: 7.85 ft
Manning's N: 0.0000

To Node:	NCL1150	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL1130OW	Cross Section: RCL1130OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RCL1150	Upstream	Downstream
Scenario: Alt3	Invert: 1.13 ft	Invert: -0.22 ft
From Node: NCL1150	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0830	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 6.00 ft	Max Depth: 6.00 ft
Flow Direction: Both	Max Width: 8.00 ft	Max Width: 8.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 677.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.20	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RCL1150OW	Upstream	Downstream
Scenario: Alt3	Invert: 9.10 ft	Invert: 9.09 ft
From Node: NCL1150	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1070	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL1150OW	Cross Section: RCL1150OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		

Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RCL1170	Upstream	Downstream
Scenario: Alt3	Invert: 1.96 ft	Invert: 1.13 ft
From Node: NCL1170	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1150	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 6.00 ft	Max Depth: 6.00 ft
Flow Direction: Both	Max Width: 8.00 ft	Max Width: 8.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 663.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL1190	Upstream	Downstream
Scenario: Alt3	Invert: 3.50 ft	Invert: 2.40 ft
From Node: NCL1190	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1170	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 332.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL1210	Upstream	Downstream

Scenario:	Alt3	Invert:	5.41 ft	Invert:	5.31 ft
From Node:	NCL1210	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL1190	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	64.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: RCL1210OW		Upstream		Downstream	
Scenario:	Alt3	Invert:	9.51 ft	Invert:	9.50 ft
From Node:	NCL1210	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL1350	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	RCL1210OW	Cross Section:	RCL1210OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RCL1230		Upstream		Downstream	
Scenario:	Alt3	Invert:	4.30 ft	Invert:	3.50 ft
From Node:	NCL1230	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL1190	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	280.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft

Bend Location: 0.00 dec
Energy Switch: Energy

Op Table:
Ref Node:
Manning's N: 0.0000

Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: RCL1250

Scenario: Alt3
From Node: NCL1250
To Node: NCL1230
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 165.00 ft
FHWA Code: 0
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 4.78 ft
Manning's N: 0.0120

Geometry: Circular

Max Depth: 4.50 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Downstream

Invert: 4.30 ft
Manning's N: 0.0120

Geometry: Circular

Max Depth: 4.50 ft

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: RCL1270

Scenario: Alt3
From Node: NCL1270
To Node: NCL1250
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 190.00 ft
FHWA Code: 0
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 5.44 ft
Manning's N: 0.0120

Geometry: Circular

Max Depth: 4.50 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Downstream

Invert: 4.78 ft
Manning's N: 0.0120

Geometry: Circular

Max Depth: 4.50 ft

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RCL1270OW

Scenario: Alt3
From Node: NCL1270

Upstream

Invert: 10.94 ft
Manning's N: 0.0000

Downstream

Invert: 10.93 ft
Manning's N: 0.0000

To Node:	NCL1410	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL1270OW	Cross Section: RCL1270OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RCL1290	Upstream	Downstream
Scenario: Alt3	Invert: 8.63 ft	Invert: 7.44 ft
From Node: NCL1290	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1270	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 292.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RCL1290OW	Upstream	Downstream
Scenario: Alt3	Invert: 12.37 ft	Invert: 12.36 ft
From Node: NCL1290	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL1270	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL1290OW	Cross Section: RCL1290OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		

Energy Switch: Energy

Comment:

Pipe Link: RCL1310	Upstream	Downstream
Scenario: Alt3	Invert: 10.22 ft	Invert: 9.13 ft
From Node: NCL1310	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1290	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 260.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL1310OW	Upstream	Downstream
Scenario: Alt3	Invert: 14.06 ft	Invert: 14.05 ft
From Node: NCL1310	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL1290	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL1310OW	Cross Section: RCL1310OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL1330	Upstream	Downstream
Scenario: Alt3	Invert: 3.03 ft	Invert: 2.83 ft
From Node: NCL1330	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1170	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft

Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 17.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RCL1330AOW	Upstream	Downstream
Scenario: Alt3	Invert: 8.31 ft	Invert: 8.30 ft
From Node: NCL1330	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL1170	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL1330AOW	Cross Section: RCL1330AOW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Channel Link: RCL1330OW	Upstream	Downstream
Scenario: Alt3	Invert: 9.60 ft	Invert: 9.59 ft
From Node: NCL1330	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL1150	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL1330OW	Cross Section: RCL1330OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Pipe Link: RCL1350	Upstream	Downstream
Scenario: Alt3	Invert: 5.93 ft	Invert: 3.03 ft
From Node: NCL1350	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1330	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 557.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RCL1350OW	Upstream	Downstream
Scenario: Alt3	Invert: 8.94 ft	Invert: 8.93 ft
From Node: NCL1350	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL1330	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL1350OW	Cross Section: RCL1350OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Pipe Link: RCL1370	Upstream	Downstream
Scenario: Alt3	Invert: 6.03 ft	Invert: 5.93 ft
From Node: NCL1370	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1350	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 15.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL1370OW		Upstream	Downstream
Scenario:	Alt3	Invert:	9.94 ft
From Node:	NCL1370	Manning's N:	0.0000
To Node:	NCL1350	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL1370OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RCL1390		Upstream	Downstream
Scenario:	Alt3	Invert:	6.13 ft
From Node:	NCL1390	Manning's N:	0.0120
To Node:	NCL1370	Geometry:	Circular
Link Count:	1	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	92.00 ft	Op Table:	
FHWA Code:	0	Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000

Comment:

Pipe Link: RCL1410		Upstream	Downstream
Scenario:	Alt3	Invert:	4.93 ft

From Node:	NCL1410	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL1390	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	20.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link:	RCL1410OW	Upstream		Downstream	
Scenario:	Alt3	Invert:	10.47 ft	Invert:	10.46 ft
From Node:	NCL1410	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL1390	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL1410OW	Cross Section:	RCL1410OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link:	RCL1430	Upstream		Downstream	
Scenario:	Alt3	Invert:	2.32 ft	Invert:	1.96 ft
From Node:	NCL1430	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL1170	Geometry:	Rectangular	Geometry:	Rectangular
Link Count:	1	Max Depth:	6.00 ft	Max Depth:	6.00 ft
Flow Direction:	Both	Max Width:	8.00 ft	Max Width:	8.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	325.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			

Energy Switch: Energy

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RCL1430AOW

Upstream

Downstream

Scenario: Alt3
From Node: NCL1430
To Node: NCL1170
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 9.70 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RCL1430AOW

Invert: 9.69 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RCL1430AOW

Comment:

Channel Link: RCL1430OW

Upstream

Downstream

Scenario: Alt3
From Node: NCL1430
To Node: NCL1350
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 8.80 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RCL1430OW

Invert: 8.79 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RCL1430OW

Comment:

Pipe Link: RCL1450

Upstream

Downstream

Scenario: Alt3

Invert: 2.67 ft

Invert: 2.32 ft

From Node:	NCL1450	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL1430	Geometry:	Rectangular	Geometry:	Rectangular
Link Count:	1	Max Depth:	6.00 ft	Max Depth:	6.00 ft
Flow Direction:	Both	Max Width:	8.00 ft	Max Width:	8.00 ft
Damping:	0.0000	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	325.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL1450OW		Upstream		Downstream	
Scenario:	Alt3	Invert:	14.07 ft	Invert:	14.06 ft
From Node:	NCL1450	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL1430	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL1450OW	Cross Section:	RCL1450OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RCL1470		Upstream		Downstream	
Scenario:	Alt3	Invert:	4.01 ft	Invert:	3.67 ft
From Node:	NCL1470	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL1450	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	5.25 ft	Max Depth:	5.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	231.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RCL1490	Upstream	Downstream
Scenario: Alt3	Invert: 13.63 ft	Invert: 13.13 ft
From Node: NCL1490	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1470	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 175.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL1490OW	Upstream	Downstream
Scenario: Alt3	Invert: 16.74 ft	Invert: 16.73 ft
From Node: NCL1490	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL1610	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL1490OW	Cross Section: RCL1490OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL1510	Upstream	Downstream
Scenario: Alt3	Invert: 4.33 ft	Invert: 4.23 ft

From Node:	NCL1510	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL1450	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	12.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL1510OW		Upstream	Downstream
Scenario:	Alt3	Invert: 12.18 ft	Invert: 12.17 ft
From Node:	NCL1530	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL1510	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL1510OW	Cross Section: RCL1510OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RCL1530		Upstream	Downstream
Scenario:	Alt3	Invert: 6.73 ft	Invert: 5.73 ft
From Node:	NCL1530	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL1510	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	272.00 ft	Op Table:	
FHWA Code:	0	Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RCL1530OW

Upstream

Downstream

Scenario: Alt3
 From Node: NCL1530
 To Node: NCL1430
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 12.00 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RCL1530OW

Invert: 11.99 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RCL1530OW

Comment:

Pipe Link: RCL1550

Upstream

Downstream

Scenario: Alt3
 From Node: NCL1550
 To Node: NCL1530
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 195.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 8.09 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 3.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Invert: 6.73 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 3.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: RCL1570

Upstream

Downstream

Scenario: Alt3
 From Node: NCL1570
 To Node: NCL1550

Invert: 8.76 ft
 Manning's N: 0.0120
 Geometry: Circular

Invert: 8.42 ft
 Manning's N: 0.0120
 Geometry: Circular

Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	67.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: RCL1590			
Scenario:	Alt3	Bottom Clip	
From Node:	NCL1590	Default:	0.00 ft
To Node:	NCL1570	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	13.56 ft	Discharge Coefficients	
Control Elevation:	13.56 ft	Weir Default:	3.200
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	10.16 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Channel Link: RCL1590OW					
		Upstream		Downstream	
Scenario:	Alt3	Invert:	14.79 ft	Invert:	14.78 ft
From Node:	NCL1590	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL1530	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	RCL1590OW	Cross Section:	RCL1590OW
Flow Direction:	Both				
Damping:	0.0000				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RCL1610	Upstream	Downstream
Scenario: Alt3	Invert: 10.56 ft	Invert: 9.16 ft
From Node: NCL1610	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1570	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 55.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RCL1610OW	Upstream	Downstream
Scenario: Alt3	Invert: 15.65 ft	Invert: 15.64 ft
From Node: NCL1610	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL1630	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL1610OW	Cross Section: RCL1610OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Pipe Link: RCL1630	Upstream	Downstream
Scenario: Alt3	Invert: 8.33 ft	Invert: 8.09 ft
From Node: NCL1630	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1550	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 173.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL1630OW		Upstream	Downstream
Scenario:	Alt3	Invert:	13.03 ft
From Node:	NCL1630	Manning's N:	0.0000
To Node:	NCL1530	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL1630OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RCL1650		Upstream	Downstream
Scenario:	Alt3	Invert:	8.43 ft
From Node:	NCL1650	Manning's N:	0.0120
To Node:	NCL1630	Geometry:	Circular
Link Count:	1	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	16.00 ft	Op Table:	
FHWA Code:	0	Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000

Comment:

Channel Link: RCL1650OW		Upstream	Downstream
Scenario:	Alt3	Invert:	13.37 ft
			Invert:
			13.36 ft

From Node:	NCL1650	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL1370	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL1650OW	Cross Section:	RCL1650OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RCL1670	Upstream	Downstream
Scenario: Alt3	Invert: 9.13 ft	Invert: 8.93 ft
From Node: NCL1670	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1650	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 95.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RCL1670OW	Upstream	Downstream
Scenario: Alt3	Invert: 13.01 ft	Invert: 13.00 ft
From Node: NCL1670	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL1370	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL1670OW	Cross Section: RCL1670OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Pipe Link: RCL1690	Upstream	Downstream
Scenario: Alt3	Invert: 12.43 ft	Invert: 8.93 ft
From Node: NCL1690	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1650	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 593.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL1690OW	Upstream	Downstream
Scenario: Alt3	Invert: 16.82 ft	Invert: 16.81 ft
From Node: NCL1690	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL1650	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL1690OW	Cross Section: RCL1690OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL1710	Upstream	Downstream
Scenario: Alt3	Invert: 12.53 ft	Invert: 12.43 ft
From Node: NCL1710	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1690	Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	65.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: RCL1710OW		Upstream		Downstream	
Scenario:	Alt3	Invert:	17.69 ft	Invert:	17.68 ft
From Node:	NCL1710	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL1690	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	RCL1710OW	Cross Section:	RCL1710OW
Flow Direction:	Both				
Damping:	0.0000				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RCL1730		Upstream		Downstream	
Scenario:	Alt3	Invert:	12.63 ft	Invert:	12.53 ft
From Node:	NCL1730	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL1710	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	78.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL1730OW	Upstream	Downstream
Scenario: Alt3	Invert: 18.01 ft	Invert: 18.00 ft
From Node: NCL1730	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL1670	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL1730OW	Cross Section: RCL1730OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL1750	Upstream	Downstream
Scenario: Alt3	Invert: 12.73 ft	Invert: 12.63 ft
From Node: NCL1750	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1730	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 27.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL1770	Upstream	Downstream
Scenario: Alt3	Invert: 13.13 ft	Invert: 12.93 ft
From Node: NCL1770	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1750	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	44.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL1770OW

Upstream

Downstream

Scenario:	Alt3	Invert:	17.24 ft	Invert:	17.23 ft
From Node:	NCL1770	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL1670	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL1770OW	Cross Section:	RCL1770OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RCL1790

Upstream

Downstream

Scenario:	Alt3	Invert:	4.59 ft	Invert:	4.01 ft
From Node:	NCL1790	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL1470	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	5.25 ft	Max Depth:	5.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	630.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RCL1810	Upstream	Downstream
Scenario: Alt3	Invert: 13.35 ft	Invert: 12.09 ft
From Node: NCL1810	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1790	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 342.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RCL1810OW	Upstream	Downstream
Scenario: Alt3	Invert: 17.41 ft	Invert: 17.40 ft
From Node: NCL1810	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL1450	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL1810OW	Cross Section: RCL1810OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Pipe Link: RCL1830	Upstream	Downstream
Scenario: Alt3	Invert: 5.65 ft	Invert: 4.95 ft
From Node: NCL1830	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1790	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 5.25 ft	Max Depth: 5.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 697.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL1830OW	Upstream	Downstream
Scenario: Alt3	Invert: 19.01 ft	Invert: 19.00 ft
From Node: NCL1830	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL2030	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL1830OW	Cross Section: RCL1830OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL1850	Upstream	Downstream
Scenario: Alt3	Invert: 6.83 ft	Invert: 6.03 ft
From Node: NCL1850	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1830	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 20.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL1870	Upstream	Downstream
Scenario: Alt3	Invert: 9.23 ft	Invert: 6.83 ft

From Node:	NCL1870	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL1850	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	253.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.10	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.10	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link:	RCL1890	Upstream		Downstream	
Scenario:	Alt3	Invert:	9.33 ft	Invert:	9.23 ft
From Node:	NCL1890	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL1870	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	75.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link:	RCL1910	Upstream		Downstream	
Scenario:	Alt3	Invert:	16.63 ft	Invert:	16.62 ft
From Node:	NCL1910	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL1890	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	27.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Weir Link: RCL1930

Scenario: Alt3
 From Node: NCL1930
 To Node: NCL1910
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 19.93 ft
 Control Elevation: 19.93 ft
 Max Depth: 833.25 ft
 Max Width: 12.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Channel Link: RCL1930OW

Upstream

Downstream

Scenario: Alt3
 From Node: NCL1930
 To Node: NCL2030
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 19.06 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RCL1930OW

Invert: 19.05 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RCL1930OW

Comment:

Pipe Link: RCL1950

Upstream

Downstream

Scenario: Alt3
 From Node: NCL1950
 To Node: NCL1910
 Link Count: 1

Invert: 17.77 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 0.83 ft

Invert: 16.63 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 0.83 ft

Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	188.00 ft	Op Table:	
FHWA Code:	0	Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000
Comment:			

Weir Link: RCL1970		Bottom Clip	
Scenario:	Alt3	Default:	0.00 ft
From Node:	NCL1970	Op Table:	
To Node:	NCL1950	Ref Node:	
Link Count:	1	Top Clip	
Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:	
Weir Type:	Sharp Crested Vertical	Ref Node:	
Geometry Type:	Rectangular	Discharge Coefficients	
Invert:	22.13 ft	Weir Default:	3.200
Control Elevation:	22.13 ft	Weir Table:	
Max Depth:	22.79 ft	Orifice Default:	0.600
Max Width:	2.50 ft	Orifice Table:	
Fillet:	0.00 ft		
Comment:			

Weir Link: RCL1970A		Bottom Clip	
Scenario:	Alt3	Default:	0.00 ft
From Node:	NCL1970	Op Table:	
To Node:	NCL1950	Ref Node:	
Link Count:	1	Top Clip	
Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:	
Weir Type:	Sharp Crested Vertical	Ref Node:	
Geometry Type:	Rectangular	Discharge Coefficients	
Invert:	23.83 ft	Weir Default:	3.200
Control Elevation:	23.83 ft	Weir Table:	
Max Depth:	9999.00 ft	Orifice Default:	0.600
Max Width:	12.00 ft	Orifice Table:	
Fillet:	0.00 ft		
Comment:			

Channel Link: RCL1970OW		Upstream	Downstream
Scenario:	Alt3	Invert: 21.45 ft	Invert: 21.44 ft
From Node:	NCL1970	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL1930	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL1970OW	Cross Section: RCL1970OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RCL1990		Upstream	Downstream
Scenario:	Alt3	Invert: 12.23 ft	Invert: 9.33 ft
From Node:	NCL1990	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL1890	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	243.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL2010		Upstream	Downstream
Scenario:	Alt3	Invert: 11.44 ft	Invert: 11.23 ft
From Node:	NCL2010	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL1990	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	62.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RCL2030	Upstream	Downstream
Scenario: Alt3	Invert: 13.67 ft	Invert: 12.21 ft
From Node: NCL2030	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2010	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 270.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL2050	Upstream	Downstream
Scenario: Alt3	Invert: 11.63 ft	Invert: 11.23 ft
From Node: NCL2050	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2010	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 210.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL2070	Upstream	Downstream
Scenario: Alt3	Invert: 14.90 ft	Invert: 14.13 ft

From Node:	NCL2070	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL2050	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL2070OW		Upstream		Downstream	
Scenario:	Alt3	Invert:	18.90 ft	Invert:	18.89 ft
From Node:	NCL2070	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL2030	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	RCL2070OW	Cross Section:	RCL2070OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RCL2090		Upstream		Downstream	
Scenario:	Alt3	Invert:	12.13 ft	Invert:	11.63 ft
From Node:	NCL2090	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL2050	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	394.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: RCL2110

Upstream

Downstream

Scenario: Alt3
 From Node: NCL2110
 To Node: NCL2090
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 60.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.20
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 12.63 ft
 Manning's N: 0.0120

Invert: 12.13 ft
 Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 2.50 ft

Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: RCL2110OW

Upstream

Downstream

Scenario: Alt3
 From Node: NCL2110
 To Node: NCL2170
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 19.77 ft
 Manning's N: 0.0000

Invert: 19.76 ft
 Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: RCL2110OW

Cross Section: RCL2110OW

Comment:

Pipe Link: RCL2130

Upstream

Downstream

Scenario: Alt3
 From Node: NCL2130
 To Node: NCL2090

Invert: 12.43 ft
 Manning's N: 0.0120

Invert: 12.13 ft
 Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	210.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL2130OW	Upstream	Downstream
Scenario: Alt3	Invert: 18.92 ft	Invert: 18.91 ft
From Node: NCL2130	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL2170	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL2130OW	Cross Section: RCL2130OW

Flow Direction:	Both
Damping:	0.0000 ft
Length:	33.00 ft
Contraction Coef:	0.00
Expansion Coef:	0.00
Entr Loss Coef:	0.00
Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Comment:

Pipe Link: RCL2150	Upstream	Downstream
Scenario: Alt3	Invert: 13.13 ft	Invert: 12.43 ft
From Node: NCL2150	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2130	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	720.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL2150OW	Upstream	Downstream
Scenario: Alt3	Invert: 20.03 ft	Invert: 20.02 ft
From Node: NCL2150	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL2130	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL2150OW	Cross Section: RCL2150OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL2170	Upstream	Downstream
Scenario: Alt3	Invert: 11.23 ft	Invert: 11.08 ft
From Node: NCL2170	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1990	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 47.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL2170OW	Upstream	Downstream
Scenario: Alt3	Invert: 18.81 ft	Invert: 18.80 ft
From Node: NCL2170	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL1730	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL2170OW	Cross Section: RCL2170OW
Flow Direction: Both		

Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RCL2230	Upstream	Downstream
Scenario: Alt3	Invert: 6.63 ft	Invert: 5.65 ft
From Node: NCL2230	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL1830	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 5.25 ft	Max Depth: 5.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 715.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL2230OW	Upstream	Downstream
Scenario: Alt3	Invert: 18.47 ft	Invert: 18.46 ft
From Node: NCL2230	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1770	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL2230OW	Cross Section: RCL2230OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL2250	Upstream	Downstream
Scenario: Alt3	Invert: 7.13 ft	Invert: 6.63 ft
From Node: NCL2250	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2230	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 5.25 ft	Max Depth: 5.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 597.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RCL2270	Upstream	Downstream
Scenario: Alt3	Invert: 10.43 ft	Invert: 7.13 ft
From Node: NCL2270	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2250	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 641.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RCL2270OW	Upstream	Downstream
Scenario: Alt3	Invert: 19.62 ft	Invert: 19.61 ft
From Node: NCL2270	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL2930	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL2270OW	Cross Section: RCL2270OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RCL2290	Upstream	Downstream
Scenario: Alt3	Invert: 14.83 ft	Invert: 11.43 ft
From Node: NCL2290	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2270	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 371.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL2290OW	Upstream	Downstream
Scenario: Alt3	Invert: 19.30 ft	Invert: 19.29 ft
From Node: NCL2290	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL2170	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL2290OW	Cross Section: RCL2290OW

Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RCL2310	Upstream	Downstream
Scenario: Alt3	Invert: 10.73 ft	Invert: 10.43 ft

From Node:	NCL2310	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL2270	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	180.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link:	RCL2330	Upstream		Downstream	
Scenario:	Alt3	Invert:	11.23 ft	Invert:	10.73 ft
From Node:	NCL2330	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL2310	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	460.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link:	RCL2330OW	Upstream		Downstream	
Scenario:	Alt3	Invert:	20.06 ft	Invert:	20.05 ft
From Node:	NCL2330	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL2270	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL2330OW	Cross Section:	RCL2330OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Pipe Link: RCL2350	Upstream	Downstream
Scenario: Alt3	Invert: 12.53 ft	Invert: 11.23 ft
From Node: NCL2350	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2330	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 397.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL2370	Upstream	Downstream
Scenario: Alt3	Invert: 12.63 ft	Invert: 12.53 ft
From Node: NCL2370	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2350	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 251.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL2390	Upstream	Downstream
Scenario: Alt3	Invert: 14.43 ft	Invert: 12.63 ft
From Node: NCL2390	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2370	Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	426.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: RCL2390OW		Upstream		Downstream	
Scenario:	Alt3	Invert:	20.11 ft	Invert:	20.10 ft
From Node:	NCL2390	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL2330	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	RCL2390OW	Cross Section:	RCL2390OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RCL2410		Upstream		Downstream	
Scenario:	Alt3	Invert:	14.58 ft	Invert:	14.43 ft
From Node:	NCL2410	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL2390	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	295.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL2410OW	Upstream	Downstream
Scenario: Alt3	Invert: 20.86 ft	Invert: 20.85 ft
From Node: NCL2410	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL2390	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL2410OW	Cross Section: RCL2410OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL2430	Upstream	Downstream
Scenario: Alt3	Invert: 14.74 ft	Invert: 14.58 ft
From Node: NCL2430	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2410	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 334.57 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL2450	Upstream	Downstream
Scenario: Alt3	Invert: 17.64 ft	Invert: 16.95 ft
From Node: NCL2450	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2430	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	58.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Added per ERP 2903

Weir Link: RCL2470

Scenario:	Alt3	Bottom Clip	
From Node:	NCL2470	Default:	0.00 ft
To Node:	NCL2450	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	19.98 ft	Discharge Coefficients	
Control Elevation:	19.98 ft	Weir Default:	3.200
Max Depth:	2.16 ft	Weir Table:	
Max Width:	2.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment: Added per ERP 2903

Weir Link: RCL2470B

Scenario:	Alt3	Bottom Clip	
From Node:	NCL2470	Default:	0.00 ft
To Node:	NCL2450	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	22.14 ft	Discharge Coefficients	
Control Elevation:	22.14 ft	Weir Default:	3.200
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	10.17 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment: Added per ERP 2903

Weir Link: RCL2470C

Scenario: Alt3
 From Node: STORAGE5
 To Node: NCL2470
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 19.14 ft
 Control Elevation: 19.14 ft
 Max Depth: 3.69 ft
 Max Width: 136.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment: WEIR TO CONNECT TO UNDERGROUND VAULT STORAGE

Channel Link: RCL2470OW**Upstream****Downstream**

Scenario: Alt3
 From Node: NCL2470
 To Node: NCL2390
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 20.00 ft
 Manning's N: 0.0000

Invert: 19.99 ft
 Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: RCL2470OW

Cross Section: RCL2470OW

Comment:

Pipe Link: RCL2490**Upstream****Downstream**

Scenario: Alt3
 From Node: NCL2490
 To Node: NCL2430
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 333.67 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00

Invert: 14.90 ft
 Manning's N: 0.0120

Invert: 14.74 ft
 Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 3.00 ft

Max Depth: 3.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Default: 0.00 ft
 Op Table:
 Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Bend Location: 0.00 dec
Energy Switch: Energy

Op Table:
Ref Node:
Manning's N: 0.0000

Op Table:
Ref Node:
Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL2510

Scenario: Alt3
From Node: NCL2510
To Node: NCL2490
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 392.26 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 15.09 ft
Manning's N: 0.0120

Geometry: Circular

Max Depth: 3.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Downstream

Invert: 14.90 ft
Manning's N: 0.0120

Geometry: Circular

Max Depth: 3.00 ft

Default: 0.00 ft

Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft

Op Table:
Ref Node:
Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL2530

Scenario: Alt3
From Node: NCL2530
To Node: NCL2510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 275.73 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 15.22 ft
Manning's N: 0.0120

Geometry: Circular

Max Depth: 3.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Downstream

Invert: 15.09 ft
Manning's N: 0.0120

Geometry: Circular

Max Depth: 3.00 ft

Default: 0.00 ft

Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft

Op Table:
Ref Node:
Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL2550

Scenario: Alt3
From Node: NCL2550

Upstream

Invert: 15.38 ft
Manning's N: 0.0120

Downstream

Invert: 15.22 ft
Manning's N: 0.0120

To Node:	NCL2530	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	324.95 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory, DM Model					

Pipe Link:	RCL2570	Upstream		Downstream	
Scenario:	Alt3	Invert:	15.54 ft	Invert:	15.38 ft
From Node:	NCL2570	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL2550	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	331.29 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory, DM Model					

Pipe Link:	RCL2580	Upstream		Downstream	
Scenario:	Alt3	Invert:	16.46 ft	Invert:	15.54 ft
From Node:	NCL2580	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL2570	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	29.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory	

Pipe Link: RCL2590	Upstream	Downstream
Scenario: Alt3	Invert: 15.72 ft	Invert: 15.54 ft
From Node: NCL2590	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2570	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 371.47 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL2610	Upstream	Downstream
Scenario: Alt3	Invert: 15.92 ft	Invert: 15.72 ft
From Node: NCL2610	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2590	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 454.09 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL2630	Upstream	Downstream
Scenario: Alt3	Invert: 15.87 ft	Invert: 15.92 ft
From Node: NCL2630	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2610	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft

Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 392.39 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, DM Model		

Pipe Link: RCL2631	Upstream	Downstream
Scenario: Alt3	Invert: 14.93 ft	Invert: 14.60 ft
From Node: NCL2631	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3635	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 68.57 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Updated per ERP 847046		

Pipe Link: RCL2650	Upstream	Downstream
Scenario: Alt3	Invert: 15.67 ft	Invert: 14.43 ft
From Node: NCL2650	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2390	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 500.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RCL2650OW		Upstream	Downstream
Scenario:	Alt3	Invert: 20.64 ft	Invert: 20.63 ft
From Node:	NCL2650	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL2390	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL2650OW	Cross Section: RCL2650OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RCL2670		Upstream	Downstream
Scenario:	Alt3	Invert: 16.43 ft	Invert: 15.67 ft
From Node:	NCL2670	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL2650	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	456.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RCL2670OW		Upstream	Downstream
Scenario:	Alt3	Invert: 21.31 ft	Invert: 21.30 ft
From Node:	NCL2670	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL2650	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL2670OW	Cross Section: RCL2670OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RCL2690	Upstream	Downstream
Scenario: Alt3	Invert: 16.60 ft	Invert: 16.43 ft
From Node: NCL2690	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2670	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 306.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL2690OW	Upstream	Downstream
Scenario: Alt3	Invert: 21.23 ft	Invert: 21.22 ft
From Node: NCL2690	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL2670	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL2690OW	Cross Section: RCL2690OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL2710	Upstream	Downstream
Scenario: Alt3	Invert: 16.77 ft	Invert: 16.60 ft

From Node:	NCL2710	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL2690	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	310.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL2710OW		Upstream	Downstream
Scenario:	Alt3	Invert: 21.33 ft	Invert: 21.32 ft
From Node:	NCL2710	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL2690	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RCL2710OW	Cross Section: RCL2710OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RCL2730		Upstream	Downstream
Scenario:	Alt3	Invert: 17.00 ft	Invert: 16.77 ft
From Node:	NCL2730	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL2710	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	406.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RCL2730OW

Upstream

Downstream

Scenario: Alt3

Invert: 21.56 ft

Invert: 21.55 ft

From Node: NCL2730

Manning's N: 0.0000

Manning's N: 0.0000

To Node: NCL2710

Geometry: Irregular

Geometry: Irregular

Link Count: 1

Cross Section: RCL2730OW

Cross Section: RCL2730OW

Flow Direction: Both

Damping: 0.0000 ft

Length: 33.00 ft

Contraction Coef: 0.00

Expansion Coef: 0.00

Entr Loss Coef: 0.00

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Pipe Link: RCL2750

Upstream

Downstream

Scenario: Alt3

Invert: 17.18 ft

Invert: 17.00 ft

From Node: NCL2750

Manning's N: 0.0120

Manning's N: 0.0120

To Node: NCL2730

Geometry: Circular

Geometry: Circular

Link Count: 1

Max Depth: 3.00 ft

Max Depth: 3.00 ft

Flow Direction: Both

Bottom Clip

Damping: 0.0000 ft

Default: 0.00 ft

Default: 0.00 ft

Length: 326.31 ft

Op Table:

Op Table:

FHWA Code: 0

Ref Node:

Ref Node:

Entr Loss Coef: 0.50

Manning's N: 0.0000

Manning's N: 0.0000

Exit Loss Coef: 0.50

Top Clip

Bend Loss Coef: 0.00

Default: 0.00 ft

Default: 0.00 ft

Bend Location: 0.00 dec

Op Table:

Op Table:

Energy Switch: Energy

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL2770

Upstream

Downstream

Scenario: Alt3

Invert: 17.39 ft

Invert: 17.18 ft

From Node: NCL2770

Manning's N: 0.0120

Manning's N: 0.0120

To Node: NCL2750

Geometry: Circular

Geometry: Circular

Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	362.56 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory, DM Model					

Pipe Link:	RCL2780	Upstream		Downstream	
Scenario:	Alt3	Invert:	18.09 ft	Invert:	18.01 ft
From Node:	NCL2780	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL2770	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	28.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory					

Pipe Link:	RCL2790	Upstream		Downstream	
Scenario:	Alt3	Invert:	17.54 ft	Invert:	17.39 ft
From Node:	NCL2790	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL2770	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	259.50 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory, DM Model

Pipe Link: RCL2810	Upstream	Downstream
Scenario: Alt3	Invert: 17.74 ft	Invert: 17.54 ft
From Node: NCL2810	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2790	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 368.94 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL2830	Upstream	Downstream
Scenario: Alt3	Invert: 17.93 ft	Invert: 17.74 ft
From Node: NCL2830	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2810	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 328.71 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.50	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL2830B	Upstream	Downstream
Scenario: Alt3	Invert: 20.06 ft	Invert: 17.88 ft
From Node: NCL2830	Manning's N: 0.0120	Manning's N: 0.0120
To Node: Outfall_NE	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	218.60 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory, DM Model					

Pipe Link: RCL2835	Upstream	Downstream
Scenario: Alt3	Invert: 19.79 ft	Invert: 18.53 ft
From Node: NCL2835	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2830	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 420.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: RCL2840	Upstream	Downstream
Scenario: Alt3	Invert: 20.06 ft	Invert: 19.90 ft
From Node: NCL2840	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2835	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 55.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: RCL2845	Upstream	Downstream
Scenario: Alt3	Invert: 20.19 ft	Invert: 19.79 ft
From Node: NCL2845	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2835	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 90.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: RCL2850	Upstream	Downstream
Scenario: Alt3	Invert: 12.83 ft	Invert: 12.63 ft
From Node: NCL2850	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2370	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 320.50 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, DM Model		

Pipe Link: RCL2870	Upstream	Downstream
Scenario: Alt3	Invert: 13.13 ft	Invert: 12.83 ft
From Node: NCL2870	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2850	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 357.50 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RCL2890	Upstream	Downstream
Scenario: Alt3	Invert: 14.74 ft	Invert: 13.13 ft
From Node: NCL2890	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2870	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 299.76 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model; US invert from ERP 847046

Pipe Link: RCL2910	Upstream	Downstream
Scenario: Alt3	Invert: 14.91 ft	Invert: 14.50 ft
From Node: NCL2910	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2890	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 313.27 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Updated per ERP 847046

Pipe Link: RCL2930	Upstream	Downstream
Scenario: Alt3	Invert: 7.40 ft	Invert: 7.38 ft

From Node:	NCL2930	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL2250	Geometry:	Rectangular	Geometry:	Rectangular
Link Count:	1	Max Depth:	6.50 ft	Max Depth:	6.50 ft
Flow Direction:	Both	Max Width:	4.75 ft	Max Width:	4.75 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	55.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL2930OW		Upstream		Downstream	
Scenario:	Alt3	Invert:	19.04 ft	Invert:	19.03 ft
From Node:	NCL2930	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL2230	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL2930OW	Cross Section:	RCL2930OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RCL2950		Upstream		Downstream	
Scenario:	Alt3	Invert:	7.47 ft	Invert:	7.40 ft
From Node:	NCL2950	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL2930	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	5.40 ft	Max Depth:	5.40 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	573.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL2950OW		Upstream	Downstream
Scenario:	Alt3	Invert:	19.33 ft
From Node:	NCL2950	Manning's N:	0.0000
To Node:	NCL2930	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL2950OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RCL2970		Upstream	Downstream
Scenario:	Alt3	Invert:	14.13 ft
From Node:	NCL2970	Manning's N:	0.0120
To Node:	NCL2950	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	450.00 ft	Op Table:	
FHWA Code:	0	Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000

Comment:

Channel Link: RCL2970OW		Upstream	Downstream
Scenario:	Alt3	Invert:	19.52 ft

From Node:	NCL2970	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL2950	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RCL2970OW	Cross Section:	RCL2970OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RCL2990	Upstream	Downstream
Scenario: Alt3	Invert: 7.92 ft	Invert: 7.47 ft
From Node: NCL2990	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2950	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 5.40 ft	Max Depth: 5.40 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 575.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RCL2990OW	Upstream	Downstream
Scenario: Alt3	Invert: 19.35 ft	Invert: 19.34 ft
From Node: NCL2990	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW1750	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL2990OW	Cross Section: RCL2990OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Pipe Link: RCL3010	Upstream	Downstream
Scenario: Alt3	Invert: 8.26 ft	Invert: 7.92 ft
From Node: NCL3010	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2990	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 5.40 ft	Max Depth: 5.40 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 663.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL3030	Upstream	Downstream
Scenario: Alt3	Invert: 8.58 ft	Invert: 8.26 ft
From Node: NCL3030	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3010	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 5.40 ft	Max Depth: 5.40 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 655.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL3050	Upstream	Downstream
Scenario: Alt3	Invert: 10.64 ft	Invert: 10.11 ft
From Node: NCL3050	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3030	Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	423.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL3050OW	Upstream	Downstream
Scenario: Alt3	Invert: 19.26 ft	Invert: 19.25 ft
From Node: NCL3050	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3030	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL3050OW	Cross Section: RCL3050OW

Flow Direction:	Both
Damping:	0.0000 ft
Length:	33.00 ft
Contraction Coef:	0.00
Expansion Coef:	0.00
Entr Loss Coef:	0.00
Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Comment:

Pipe Link: RCL3070	Upstream	Downstream
Scenario: Alt3	Invert: 16.14 ft	Invert: 15.73 ft
From Node: NCL3070	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3050	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.58 ft	Max Depth: 1.58 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	289.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RCL3070OW	Upstream	Downstream
Scenario: Alt3	Invert: 19.51 ft	Invert: 19.50 ft
From Node: NCL3070	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3050	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL3070OW	Cross Section: RCL3070OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RCL3090	Upstream	Downstream
Scenario: Alt3	Invert: 8.92 ft	Invert: 8.58 ft
From Node: NCL3090	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3030	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 5.40 ft	Max Depth: 5.40 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 673.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL3090OW	Upstream	Downstream
Scenario: Alt3	Invert: 18.30 ft	Invert: 18.29 ft
From Node: NCL3110	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3090	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL3090OW	Cross Section: RCL3090OW
Flow Direction: Both		

Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RCL3110	Upstream	Downstream
Scenario: Alt3	Invert: 11.77 ft	Invert: 10.78 ft
From Node: NCL3110	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3090	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 448.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RCL3130	Upstream	Downstream
Scenario: Alt3	Invert: 14.77 ft	Invert: 14.33 ft
From Node: NCL3130	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3110	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 10.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RCL3130OW		
	Upstream	Downstream
Scenario: Alt3	Invert: 18.37 ft	Invert: 18.36 ft
From Node: NCL3130	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NCL3110	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RCL3130OW	Cross Section: RCL3130OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Pipe Link: RCL3150		
	Upstream	Downstream
Scenario: Alt3	Invert: 9.64 ft	Invert: 9.34 ft
From Node: NCL3150	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3090	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 4.83 ft	Max Depth: 4.83 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 670.86 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: RCL3170		
	Upstream	Downstream
Scenario: Alt3	Invert: 11.48 ft	Invert: 10.78 ft
From Node: NCL3170	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3150	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 407.47 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL3190	Upstream	Downstream
Scenario: Alt3	Invert: 12.29 ft	Invert: 11.48 ft
From Node: NCL3190	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3170	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 452.43 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL3210	Upstream	Downstream
Scenario: Alt3	Invert: 12.70 ft	Invert: 12.29 ft
From Node: NCL3210	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3190	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 212.21 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL3230	Upstream	Downstream
Scenario: Alt3	Invert: 13.32 ft	Invert: 12.85 ft

From Node:	NCL3230	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL3210	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	252.59 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory, DM Model					

Pipe Link:	RCL3250	Upstream		Downstream	
Scenario:	Alt3	Invert:	10.53 ft	Invert:	10.17 ft
From Node:	NCL3250A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL3150	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	4.42 ft	Max Depth:	4.42 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	650.74 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory, DM Model					

Pipe Link:	RCL3270	Upstream		Downstream	
Scenario:	Alt3	Invert:	13.95 ft	Invert:	13.13 ft
From Node:	NCL3270	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL3250	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	409.82 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL3280	Upstream	Downstream
Scenario: Alt3	Invert: 14.06 ft	Invert: 13.95 ft
From Node: NCL3280	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3270	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 53.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RCL3290	Upstream	Downstream
Scenario: Alt3	Invert: 14.83 ft	Invert: 14.06 ft
From Node: NCL3290	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3280	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 388.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RCL3300	Upstream	Downstream
Scenario: Alt3	Invert: 16.39 ft	Invert: 15.48 ft
From Node: NCL3300	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3290	Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	303.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory					

Pipe Link: RCL3310	Upstream	Downstream
Scenario: Alt3	Invert: 17.14 ft	Invert: 16.38 ft
From Node: NCL3310	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3290	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 231.97 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Added per ERP 19405		

Weir Link: RCL3330			
Scenario:	Alt3	Bottom Clip	
From Node:	NCL3330	Default:	0.00 ft
To Node:	NCL3310	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	19.14 ft	Discharge Coefficients	
Control Elevation:	19.14 ft	Weir Default:	3.200
Max Depth:	1.50 ft	Weir Table:	
Max Width:	0.11 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment: UPDATED PER ERP 19405			

Weir Link: RCL3330A

Scenario: Alt3
 From Node: NCL3330
 To Node: NCL3310
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 20.64 ft
 Control Elevation: 20.64 ft
 Max Depth: 9999.00 ft
 Max Width: 14.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment: UPDATED PER ERP 19405

Pipe Link: RCL3330B

Scenario: Alt3
 From Node: NCL3330
 To Node: NCL3310
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 5.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 17.14 ft
 Manning's N: 0.0100

Geometry: Circular

Max Depth: 0.50 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Manning's N: 0.0000

Downstream

Invert: 17.14 ft
 Manning's N: 0.0100

Geometry: Circular

Max Depth: 0.50 ft

Default: 0.00 ft
 Op Table:
 Ref Node:

Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:

Manning's N: 0.0000

Comment: Added per ERP 19405

Weir Link: RCL3330C

Scenario: Alt3
 From Node: NCL3330
 To Node: STORAGE1
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 18.14 ft
 Control Elevation: 18.14 ft
 Max Depth: 3.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 3.200
 Weir Table:

Max Width: 7.00 ft

Fillet: 0.00 ft

Orifice Default: 0.600

Orifice Table:

Comment: SET WEIR TO BOTTOM OF STORAGE. SEE ERP 19405

Pipe Link: RCL3350	Upstream	Downstream
Scenario: Alt3	Invert: 15.71 ft	Invert: 14.83 ft
From Node: NCL3350	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3290	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 441.13 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL3360	Upstream	Downstream
Scenario: Alt3	Invert: 18.95 ft	Invert: 18.23 ft
From Node: NCL3360	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3230	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 241.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RCL3360B	Upstream	Downstream
Scenario: Alt3	Invert: 19.25 ft	Invert: 19.25 ft
From Node: NCL3360	Manning's N: 0.0120	Manning's N: 0.0120

To Node:	NCL3350	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	44.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory					

Pipe Link:	RCL3365	Upstream		Downstream	
Scenario:	Alt3	Invert:	17.26 ft	Invert:	16.16 ft
From Node:	NCL3365	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL3350	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	366.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory					

Pipe Link:	RCL3390	Upstream		Downstream	
Scenario:	Alt3	Invert:	15.01 ft	Invert:	15.40 ft
From Node:	NCL3390	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL3370	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	1.58 ft	Max Depth:	1.58 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	591.37 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Updated per ERP 847046

Pipe Link: RCL3390B

	Upstream	Downstream
Scenario: Alt3	Invert: 15.07 ft	Invert: 14.75 ft
From Node: NCL3390	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL2910	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 121.03 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Updated per ERP 847046

Pipe Link: RCL3410

	Upstream	Downstream
Scenario: Alt3	Invert: 15.50 ft	Invert: 16.06 ft
From Node: NCL3410	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3390	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 36.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Updated per ERP 847046

Weir Link: RCL3430

Scenario: Alt3	Bottom Clip
From Node: NCL3430	Default: 0.00 ft
To Node: NCL3410	Op Table:
Link Count: 1	Ref Node:

Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 19.14 ft
 Control Elevation: 19.14 ft
 Max Depth: 0.50 ft
 Max Width: 0.40 ft
 Fillet: 0.00 ft

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Updated per ERP 21651

Weir Link: RCL3430A

Scenario: Alt3
 From Node: NCL3430
 To Node: NCL3410
 Link Count: 1

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Updated per ERP 21651

Pipe Link: RCL3470

Upstream

Downstream

Scenario: Alt3
 From Node: NCL3470
 To Node: NCL3450
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 414.97 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 11.74 ft

Invert: 11.24 ft

Manning's N: 0.0120

Manning's N: 0.0120

Geometry: Horizontal Ellipse

Geometry: Horizontal Ellipse

Max Depth: 3.17 ft

Max Depth: 3.17 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RCL3510	Upstream	Downstream
Scenario: Alt3	Invert: 12.90 ft	Invert: 12.30 ft
From Node: NCL3510	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3490	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.83 ft	Max Depth: 2.83 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 408.65 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, DM Model		

Pipe Link: RCL3520	Upstream	Downstream
Scenario: Alt3	Invert: 15.19 ft	Invert: 14.61 ft
From Node: NCL3520	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3510	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 195.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: RCL3530	Upstream	Downstream
Scenario: Alt3	Invert: 13.42 ft	Invert: 12.90 ft
From Node: NCL3530	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3510	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 421.87 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory, DM Model; US inv from ERP 847046

Pipe Link: RCL3540	Upstream	Downstream
Scenario: Alt3	Invert: 20.25 ft	Invert: 19.98 ft
From Node: NCL2540	Manning's N: 0.0100	Manning's N: 0.0240
To Node: NCL2780	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 90.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, Field

Pipe Link: RCL3550	Upstream	Downstream
Scenario: Alt3	Invert: 14.01 ft	Invert: 13.26 ft
From Node: NCL3550	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3610	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 112.76 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Updated per ERP 847046

Pipe Link: RCL3570	Upstream	Downstream
Scenario: Alt3	Invert: 16.00 ft	Invert: 13.63 ft

From Node:	NCL3570	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NCL3550	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	273.29 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Field

Weir Link: RCL3590

Scenario:	Alt3	Bottom Clip			
From Node:	NCL3590	Default:	0.00 ft		
To Node:	NCL3570	Op Table:			
Link Count:	1	Ref Node:			
Flow Direction:	Both	Top Clip			
Damping:	0.0000 ft	Default:	0.00 ft		
Weir Type:	Sharp Crested Vertical	Op Table:			
Geometry Type:	Rectangular	Ref Node:			
Invert:	20.75 ft	Discharge Coefficients			
Control Elevation:	20.75 ft	Weir Default:	3.200		
Max Depth:	9999.00 ft	Weir Table:			
Max Width:	10.67 ft	Orifice Default:	0.600		
Fillet:	0.00 ft	Orifice Table:			

Comment: Updated size per field visit; maintained controlling invert

Weir Link: RCL3590A

Scenario:	Alt3	Bottom Clip			
From Node:	NCL3590	Default:	0.00 ft		
To Node:	NCL3570	Op Table:			
Link Count:	1	Ref Node:			
Flow Direction:	Both	Top Clip			
Damping:	0.0000 ft	Default:	0.00 ft		
Weir Type:	Sharp Crested Vertical	Op Table:			
Geometry Type:	Rectangular	Ref Node:			
Invert:	18.92 ft	Discharge Coefficients			
Control Elevation:	18.92 ft	Weir Default:	3.200		
Max Depth:	1.83 ft	Weir Table:			
Max Width:	0.50 ft	Orifice Default:	0.600		
Fillet:	0.00 ft	Orifice Table:			

Comment: Updated size per field visit

Pipe Link: RCL3610	Upstream	Downstream
Scenario: Alt3	Invert: 13.15 ft	Invert: 13.51 ft
From Node: NCL3610	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3530	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.83 ft	Max Depth: 2.83 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 53.66 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Updated per ERP 847046

Pipe Link: RCL3630	Upstream	Downstream
Scenario: Alt3	Invert: 12.80 ft	Invert: 12.55 ft
From Node: NCL3630	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3610	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 375.70 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: FDOT 2024 Kennedy Plans

Pipe Link: RCL3635	Upstream	Downstream
Scenario: Alt3	Invert: 13.30 ft	Invert: 12.80 ft
From Node: NCL3635	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3630	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.83 ft	Max Depth: 2.83 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	445.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: FDOT 2024 Kennedy Plans

Pipe Link: RCL3640	Upstream	Downstream
Scenario: Alt3	Invert: 15.10 ft	Invert: 13.30 ft
From Node: NCL3640	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3635	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 440.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: FDOT 2024 Kennedy Plans

Pipe Link: RCL3650	Upstream	Downstream
Scenario: Alt3	Invert: 14.54 ft	Invert: 13.04 ft
From Node: NCL3650	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3450	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 107.90 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Added per ERP 18948

Weir Link: RCL3670

Scenario: Alt3
From Node: NCL3670
To Node: NCL3650
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 16.84 ft
Control Elevation: 16.84 ft
Max Depth: 1.10 ft
Max Width: 0.90 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Updated per ERP 18948

Weir Link: RCL3670A

Scenario: Alt3
From Node: NCL3670
To Node: NCL3650
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 17.94 ft
Control Elevation: 17.94 ft
Max Depth: 9999.00 ft
Max Width: 14.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Updated per ERP 18948

Weir Link: RCL3670C

Scenario: Alt3
From Node: STORAGE2
To Node: NCL3670
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 16.64 ft
Control Elevation: 16.64 ft
Max Depth: 2.00 ft
Max Width: 50.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600

Fillet: 0.00 ft

Orifice Table:

Comment: SET WEIR AT NWL OF UNDERGROUND VAULT TO ALLOW EQUALIZATION

Pipe Link: RCL3690	Upstream	Downstream
Scenario: Alt3	Invert: 10.80 ft	Invert: 10.33 ft
From Node: NCL3690	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3730	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Max Width: 8.00 ft	Max Width: 8.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 270.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.50	Op Table:	Op Table:
Exit Loss Coef: 0.50	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Added per ERP 6550

Pipe Link: RCL3710	Upstream	Downstream
Scenario: Alt3	Invert: 11.13 ft	Invert: 10.90 ft
From Node: NCL3450	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL3690	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Max Width: 8.00 ft	Max Width: 8.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 152.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.50	Op Table:	Op Table:
Exit Loss Coef: 0.50	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Added per ERP 6550

Pipe Link: RCL3750		Upstream	Downstream
Scenario:	Alt3	Invert: 10.78 ft	Invert: 10.26 ft
From Node:	NCL3750	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL2990	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	175.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Weir Link: RCL3750W			
Scenario:	Alt3	Bottom Clip	
From Node:	NCL3730	Default:	0.00 ft
To Node:	NRU0840	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	11.40 ft	Discharge Coefficients	
Control Elevation:	11.40 ft	Weir Default:	3.200
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	100.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Pipe Link: RCL3770		Upstream	Downstream
Scenario:	Alt3	Invert: 11.47 ft	Invert: 10.78 ft
From Node:	NCL3770	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NCL3750	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	361.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft

Bend Location: 0.00 dec
Energy Switch: Energy

Op Table:
Ref Node:
Manning's N: 0.0000

Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RCL3770OW

Upstream

Downstream

Scenario: Alt3
From Node: NCL3770
To Node: NCL3750
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 16.20 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RCL3770OW

Invert: 16.19 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RCL3770OW

Comment:

Weir Link: REF1357B

Scenario: Alt3
From Node: NSH27
To Node: NSH27AA
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 12.74 ft
Control Elevation: 12.74 ft
Max Depth: 9999.00 ft
Max Width: 8.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Updated per ERP 10835. Difficult to read

Weir Link: REF1357C

Scenario: Alt3
From Node: NSH27
To Node: NSH27AA

Bottom Clip

Default: 0.00 ft
Op Table:

Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 9.74 ft
 Control Elevation: 9.74 ft
 Max Depth: 1.67 ft
 Max Width: 1.67 ft
 Fillet: 0.00 ft

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Updated per ERP 10835. Difficult to read

Pipe Link: ROC0030

Upstream

Downstream

Scenario: Alt3
 From Node: NOC0030
 To Node: NOC0010
 Link Count: 2
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 178.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: -4.25 ft

Invert: -4.46 ft

Manning's N: 0.0120

Manning's N: 0.0120

Geometry: Rectangular

Geometry: Rectangular

Max Depth: 5.00 ft

Max Depth: 5.00 ft

Max Width: 7.00 ft

Max Width: 7.00 ft

Fillet: 0.00 ft

Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: ROC0030OW

Upstream

Downstream

Scenario: Alt3
 From Node: NOC0030
 To Node: NCL0030
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00

Invert: 3.22 ft

Invert: 3.21 ft

Manning's N: 0.0000

Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: ROC0030OW

Cross Section: ROC0030OW

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Pipe Link: ROC0050	Upstream	Downstream
Scenario: Alt3	Invert: -4.05 ft	Invert: -4.25 ft
From Node: NOC0050	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NOC0030	Geometry: Rectangular	Geometry: Rectangular
Link Count: 2	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 7.00 ft	Max Width: 7.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 135.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: ROC0050OW	Upstream	Downstream
Scenario: Alt3	Invert: 3.40 ft	Invert: 3.39 ft
From Node: NOC0050	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NOC0030	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: ROC0050OW	Cross Section: ROC0050OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: ROC0070	Upstream	Downstream
Scenario: Alt3	Invert: -3.37 ft	Invert: -3.57 ft

From Node:	NOC0070	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NOC0090	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	3.58 ft	Max Depth:	3.58 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	15.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: ROC0070A		Upstream		Downstream	
Scenario:	Alt3	Invert:	-3.57 ft	Invert:	-4.05 ft
From Node:	NOC0070	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NOC0050	Geometry:	Rectangular	Geometry:	Rectangular
Link Count:	2	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Max Width:	7.00 ft	Max Width:	7.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	540.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: ROC0070OW		Upstream		Downstream	
Scenario:	Alt3	Invert:	3.92 ft	Invert:	3.91 ft
From Node:	NOC0070	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NCL0110	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	ROC0070OW	Cross Section:	ROC0070OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: ROC0090	Upstream	Downstream
Scenario: Alt3	Invert: -3.37 ft	Invert: -3.47 ft
From Node: NOC0090	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NCL0110	Geometry: Circular	Geometry: Circular
Link Count: 2	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 123.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: ROC0110	Upstream	Downstream
Scenario: Alt3	Invert: -3.34 ft	Invert: -3.57 ft
From Node: NOC0110	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NOC0070	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 2	Max Depth: 3.58 ft	Max Depth: 3.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 20.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: ROC0130	Upstream	Downstream
Scenario: Alt3	Invert: -3.13 ft	Invert: -3.34 ft

From Node:	NOC0130	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NOC0110	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	4.83 ft	Max Depth:	4.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	231.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: ROC0150		Upstream		Downstream	
Scenario:	Alt3	Invert:	1.95 ft	Invert:	1.85 ft
From Node:	NOC0150	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NOC0130	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	2	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	30.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: ROC0170		Upstream		Downstream	
Scenario:	Alt3	Invert:	4.13 ft	Invert:	1.95 ft
From Node:	NOC0170	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NOC0150	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	25.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: ROC0170OW

Upstream

Downstream

Scenario: Alt3

Invert: 4.30 ft

Invert: 4.29 ft

From Node: NOC0170

Manning's N: 0.0000

Manning's N: 0.0000

To Node: NOC0070

Geometry: Irregular

Geometry: Irregular

Link Count: 1

Cross Section: ROC0170OW

Cross Section: ROC0170OW

Flow Direction: Both

Damping: 0.0000 ft

Length: 33.00 ft

Contraction Coef: 0.00

Expansion Coef: 0.00

Entr Loss Coef: 0.00

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Pipe Link: ROC0190

Upstream

Downstream

Scenario: Alt3

Invert: -2.80 ft

Invert: -3.13 ft

From Node: NOC0190

Manning's N: 0.0120

Manning's N: 0.0120

To Node: NOC0130

Geometry: Horizontal Ellipse

Geometry: Horizontal Ellipse

Link Count: 1

Max Depth: 4.83 ft

Max Depth: 4.83 ft

Flow Direction: Both

Bottom Clip

Damping: 0.0000 ft

Default: 0.00 ft

Default: 0.00 ft

Length: 370.00 ft

Op Table:

Op Table:

FHWA Code: 0

Ref Node:

Ref Node:

Entr Loss Coef: 0.00

Manning's N: 0.0000

Manning's N: 0.0000

Exit Loss Coef: 0.00

Top Clip

Bend Loss Coef: 0.00

Default: 0.00 ft

Default: 0.00 ft

Bend Location: 0.00 dec

Op Table:

Op Table:

Energy Switch: Energy

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: ROC0190OW

Upstream

Downstream

Scenario: Alt3

Invert: 5.63 ft

Invert: 5.62 ft

From Node: NOC0190

Manning's N: 0.0000

Manning's N: 0.0000

To Node: NOC0070

Geometry: Irregular

Geometry: Irregular

Link Count: 1 Cross Section: ROC0190OW Cross Section: ROC0190OW
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Pipe Link: ROC0210	Upstream	Downstream
Scenario: Alt3	Invert: 0.21 ft	Invert: -0.37 ft
From Node: NOC0210	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NOC0190	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 335.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: ROC0210OW	Upstream	Downstream
Scenario: Alt3	Invert: 5.60 ft	Invert: 5.59 ft
From Node: NOC0210	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NOC0070	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: ROC0210OW	Cross Section: ROC0210OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: ROC0230	Upstream	Downstream
Scenario: Alt3	Invert: 0.33 ft	Invert: 0.23 ft
From Node: NOC0230	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NOC0190	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 50.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: ROC0250	Upstream	Downstream
Scenario: Alt3	Invert: 1.03 ft	Invert: 0.33 ft
From Node: NOC0250	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NOC0230	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 320.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: ROC0270	Upstream	Downstream
Scenario: Alt3	Invert: 1.82 ft	Invert: 1.03 ft
From Node: NOC0270	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NOC0250	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	328.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: ROC0290		Upstream		Downstream	
Scenario:	Alt3	Invert:	-2.72 ft	Invert:	-2.80 ft
From Node:	NOC0290	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NOC0190	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	4.83 ft	Max Depth:	4.83 ft
Flow Direction:	Both	Max Width:	7.58 ft	Max Width:	7.58 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	90.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: ROC0310		Upstream		Downstream	
Scenario:	Alt3	Invert:	-1.27 ft	Invert:	-1.39 ft
From Node:	NOC0310	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NOC0290	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	48.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: ROC0330	Upstream	Downstream
Scenario: Alt3	Invert: -2.21 ft	Invert: -2.72 ft
From Node: NOC0330	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NOC0290	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 5.25 ft	Max Depth: 5.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 271.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: ROC0350	Upstream	Downstream
Scenario: Alt3	Invert: -1.43 ft	Invert: -2.21 ft
From Node: NOC0350	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NOC0330	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 4.83 ft	Max Depth: 4.83 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 370.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: ROC0350OW	Upstream	Downstream
Scenario: Alt3	Invert: 2.77 ft	Invert: 2.76 ft
From Node: NOC0350	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NOC0330	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: ROC0350OW	Cross Section: ROC0350OW
Flow Direction: Both		

Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: ROC0370	Upstream	Downstream
Scenario: Alt3	Invert: -0.24 ft	Invert: -1.43 ft
From Node: NOC0370	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NOC0350	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 3.17 ft	Max Depth: 3.17 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 619.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: ROC0370OW	Upstream	Downstream
Scenario: Alt3	Invert: 5.69 ft	Invert: 5.68 ft
From Node: NOC0370	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NOC0350	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: ROC0370OW	Cross Section: ROC0370OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: ROC0390		Upstream	Downstream
Scenario:	Alt3	Invert: 0.27 ft	Invert: -0.22 ft
From Node:	NOC0390	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NOC0370	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 3.17 ft	Max Depth: 3.17 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	153.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: ROC0390OW		Upstream	Downstream
Scenario:	Alt3	Invert: 5.33 ft	Invert: 5.32 ft
From Node:	NOC0390	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NCL0350	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: ROC0390OW	Cross Section: ROC0390OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: ROC0410		Upstream	Downstream
Scenario:	Alt3	Invert: 0.89 ft	Invert: 0.27 ft
From Node:	NOC0410	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NOC0390	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 3.17 ft	Max Depth: 3.17 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	553.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: ROC0410OW		Upstream	Downstream		
Scenario:	Alt3	Invert:	6.38 ft	Invert:	6.37 ft
From Node:	NOC0410	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NOC0390	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	ROC0410OW	Cross Section:	ROC0410OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: ROC0430		Upstream	Downstream		
Scenario:	Alt3	Invert:	1.93 ft	Invert:	1.29 ft
From Node:	NOC0430	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NOC0410	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	2.83 ft	Max Depth:	2.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	326.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: ROC0430OW		Upstream	Downstream		
Scenario:	Alt3	Invert:	6.39 ft	Invert:	6.38 ft

From Node:	NOC0430	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NOC0370	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	ROC0430OW	Cross Section:	ROC0430OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: ROC0450		Upstream	Downstream
Scenario:	Alt3	Invert: 3.48 ft	Invert: 2.70 ft
From Node:	NOC0450	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NOC0430	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 2.42 ft	Max Depth: 2.42 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	342.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: ROC0450OW		Upstream	Downstream
Scenario:	Alt3	Invert: 7.08 ft	Invert: 7.07 ft
From Node:	NOC0450	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NOC0370	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: ROC0450OW	Cross Section: ROC0450OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Pipe Link: ROC0470	Upstream	Downstream
Scenario: Alt3	Invert: 4.37 ft	Invert: 3.48 ft
From Node: NOC0470	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NOC0450	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 236.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: ROC0470OW	Upstream	Downstream
Scenario: Alt3	Invert: 7.36 ft	Invert: 7.35 ft
From Node: NOC0470	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NOC0450	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: ROC0470OW	Cross Section: ROC0470OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: ROC0490	Upstream	Downstream
Scenario: Alt3	Invert: 4.81 ft	Invert: 3.43 ft
From Node: NOC0490	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NOC0450	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse

Link Count:	1	Max Depth:	2.42 ft	Max Depth:	2.42 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	336.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: ROC0490OW		Upstream		Downstream	
Scenario:	Alt3	Invert:	7.79 ft	Invert:	7.78 ft
From Node:	NOC0490	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NOC0370	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	ROC0490OW	Cross Section:	ROC0490OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RPondA		Upstream		Downstream	
Scenario:	Alt3	Invert:	16.56 ft	Invert:	14.50 ft
From Node:	NSH03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PondA	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	368.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Added per ERP 9274

Pipe Link: RRU0030	Upstream	Downstream
Scenario: Alt3	Invert: -0.40 ft	Invert: -1.42 ft
From Node: NRU0030	Manning's N: 0.0150	Manning's N: 0.0150
To Node: NRU0010	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Max Width: 8.00 ft	Max Width: 8.00 ft
Damping: 0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 144.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU0050	Upstream	Downstream
Scenario: Alt3	Invert: -0.35 ft	Invert: -0.40 ft
From Node: NRU0050	Manning's N: 0.0150	Manning's N: 0.0150
To Node: NRU0030	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Max Width: 8.00 ft	Max Width: 8.00 ft
Damping: 0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 220.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU0070	Upstream	Downstream
Scenario: Alt3	Invert: -0.29 ft	Invert: -0.35 ft

From Node:	NRU0070	Manning's N:	0.0150	Manning's N:	0.0150
To Node:	NRU0050	Geometry:	Rectangular	Geometry:	Rectangular
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Max Width:	8.00 ft	Max Width:	8.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	180.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RRU0090		Upstream		Downstream	
Scenario:	Alt3	Invert:	0.15 ft	Invert:	0.04 ft
From Node:	NRU0090	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU0070	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	182.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RRU0090OW		Upstream		Downstream	
Scenario:	Alt3	Invert:	4.65 ft	Invert:	4.64 ft
From Node:	NRU0090	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NRU0070	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	RRU0090OW	Cross Section:	RRU0090OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RRU0110	Upstream	Downstream
Scenario: Alt3	Invert: -0.05 ft	Invert: -0.29 ft
From Node: NRU0110	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0070	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Max Width: 8.00 ft	Max Width: 8.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 283.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU0110OW	Upstream	Downstream
Scenario: Alt3	Invert: 5.42 ft	Invert: 5.41 ft
From Node: NRU0110	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU0070	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RRU0110OW	Cross Section: RRU0110OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RRU0130	Upstream	Downstream
Scenario: Alt3	Invert: 0.84 ft	Invert: -0.05 ft
From Node: NRU0130	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0110	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Max Width: 8.00 ft	Max Width: 8.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 530.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU0150	Upstream	Downstream
Scenario: Alt3	Invert: 0.85 ft	Invert: 0.84 ft
From Node: NRU0150	Manning's N: 0.0140	Manning's N: 0.0140
To Node: NRU0130	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Max Width: 8.00 ft	Max Width: 8.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 15.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU0160	Upstream	Downstream
Scenario: Alt3	Invert: 5.54 ft	Invert: 5.03 ft
From Node: NRU0160	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0150	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft

Length: 776.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, DM Model		

Pipe Link: RRU0165	Upstream	Downstream
Scenario: Alt3	Invert: 11.74 ft	Invert: 11.65 ft
From Node: NRU0165	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0160	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 31.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: RRU0170	Upstream	Downstream
Scenario: Alt3	Invert: 5.73 ft	Invert: 5.54 ft
From Node: NRU0170	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0160	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 283.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, DM Model		

Pipe Link: RRU0172		Upstream	Downstream
Scenario:	Alt3	Invert: 6.99 ft	Invert: 6.86 ft
From Node:	NRU0172	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU0170	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	44.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory			

Pipe Link: RRU0174		Upstream	Downstream
Scenario:	Alt3	Invert: 8.24 ft	Invert: 6.99 ft
From Node:	NRU0174	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU0172	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.75 ft	Max Depth: 1.75 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	417.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory			

Pipe Link: RRU0176		Upstream	Downstream
Scenario:	Alt3	Invert: 8.32 ft	Invert: 8.24 ft
From Node:	NRU0176	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU0174	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000	Default: 0.00 ft	Default: 0.00 ft
Length:	26.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory

Pipe Link: RRU0178	Upstream	Downstream
Scenario: Alt3	Invert: 9.59 ft	Invert: 8.32 ft
From Node: NRU0178	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0176	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 422.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RRU0180	Upstream	Downstream
Scenario: Alt3	Invert: 10.32 ft	Invert: 9.59 ft
From Node: NRU0180	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0178	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.75 ft	Max Depth: 1.75 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 245.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RRU0190	Upstream	Downstream
Scenario: Alt3	Invert: 9.93 ft	Invert: 7.73 ft

From Node:	NRU0190	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU0170	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	29.78 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory, DM Model

Pipe Link:	RRU0210	Upstream		Downstream	
Scenario:	Alt3	Invert:	10.28 ft	Invert:	9.93 ft
From Node:	NRU0210	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU0190	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	52.03 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory, DM Model

Pipe Link:	RRU0230	Upstream		Downstream	
Scenario:	Alt3	Invert:	11.28 ft	Invert:	10.28 ft
From Node:	NRU0230	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU0210	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	153.27 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy	Ref Node: Manning's N: 0.0000	Ref Node: Manning's N: 0.0000
Comment: Inventory, DM Model		

Pipe Link: RRU0250	Upstream	Downstream
Scenario: Alt3	Invert: 5.84 ft	Invert: 5.73 ft
From Node: NRU0250	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0170	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 100.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, DM Model		

Pipe Link: RRU0270	Upstream	Downstream
Scenario: Alt3	Invert: 6.21 ft	Invert: 5.84 ft
From Node: NRU0270	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0250	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 332.48 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Field		

Pipe Link: RRU0290	Upstream	Downstream
Scenario: Alt3	Invert: 12.07 ft	Invert: 10.03 ft
From Node: NRU0290	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0270	Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	187.74 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory, DM Model					

Pipe Link:	RRU0310	Upstream		Downstream	
Scenario:	Alt3	Invert:	6.74 ft	Invert:	6.22 ft
From Node:	NRU0310	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU0270	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	475.68 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Field					

Pipe Link:	RRU0330	Upstream		Downstream	
Scenario:	Alt3	Invert:	11.30 ft	Invert:	10.82 ft
From Node:	NRU0330	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU0310	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	249.09 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory, DM Model

Pipe Link: RRU0335	Upstream	Downstream
Scenario: Alt3	Invert: 15.46 ft	Invert: 14.44 ft
From Node: NRU0335	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0330	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 342.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RRU0340	Upstream	Downstream
Scenario: Alt3	Invert: 11.77 ft	Invert: 11.30 ft
From Node: NRU0340	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0330	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 240.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RRU0343	Upstream	Downstream
Scenario: Alt3	Invert: 13.14 ft	Invert: 12.93 ft
From Node: NRU0343	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0340	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	71.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory					

Pipe Link: RRU0345	Upstream	Downstream
Scenario: Alt3	Invert: 14.35 ft	Invert: 13.14 ft
From Node: NRU0345	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0343	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 404.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: RRU0350	Upstream	Downstream
Scenario: Alt3	Invert: 12.53 ft	Invert: 11.77 ft
From Node: NRU0350	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0340	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 391.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: RRU0370	Upstream	Downstream
Scenario: Alt3	Invert: 12.63 ft	Invert: 12.53 ft
From Node: NRU0370	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0350	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 55.99 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, DM Model		

Pipe Link: RRU0380	Upstream	Downstream
Scenario: Alt3	Invert: 13.33 ft	Invert: 13.03 ft
From Node: NRU0380	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0370	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 34.74 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, DM Model		

Pipe Link: RRU0390	Upstream	Downstream
Scenario: Alt3	Invert: 16.20 ft	Invert: 15.90 ft
From Node: NRU0390	Manning's N: 0.0120	Manning's N: 0.0120
To Node: THEA_Watrous	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 58.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Proposed pipe (Selmon Plans)

Pipe Link: RRU0410	Upstream	Downstream
Scenario: Alt3	Invert: 13.13 ft	Invert: 12.63 ft
From Node: NRU0410	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0370	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 373.88 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RRU0430	Upstream	Downstream
Scenario: Alt3	Invert: 13.63 ft	Invert: 13.13 ft
From Node: NRU0430	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0410	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 291.50 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RRU0450	Upstream	Downstream
Scenario: Alt3	Invert: 14.13 ft	Invert: 13.63 ft

From Node:	NRU0450	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU0430	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.11 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory, DM Model

Pipe Link:	RRU0470	Upstream		Downstream	
Scenario:	Alt3	Invert:	14.73 ft	Invert:	14.13 ft
From Node:	NRU0470	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU0450	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	349.20 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory, DM Model

Pipe Link:	RRU0490	Upstream		Downstream	
Scenario:	Alt3	Invert:	15.14 ft	Invert:	14.65 ft
From Node:	NRU0490	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU0470	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	115.76 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy	Ref Node: Manning's N: 0.0000	Ref Node: Manning's N: 0.0000
Comment: Inventory		

Pipe Link: RRU0495	Upstream	Downstream
Scenario: Alt3	Invert: 16.00 ft	Invert: 15.14 ft
From Node: NRU0495	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0490	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: None	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 288.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: RRU0510A	Upstream	Downstream
Scenario: Alt3	Invert: 14.93 ft	Invert: 14.60 ft
From Node: NRU0510	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0470	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: None	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 20.63 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: RRU0530	Upstream	Downstream
Scenario: Alt3	Invert: 7.23 ft	Invert: 6.74 ft
From Node: NRU0530	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0310	Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	442.09 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory, Field					

Pipe Link:	RRU0550	Upstream		Downstream	
Scenario:	Alt3	Invert:	7.75 ft	Invert:	7.24 ft
From Node:	NRU0550	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU0530	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	466.10 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory					

Pipe Link:	RRU0570	Upstream		Downstream	
Scenario:	Alt3	Invert:	7.96 ft	Invert:	7.76 ft
From Node:	NRU0570	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU0550	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	4.50 ft	Max Depth:	4.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	183.55 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory, DM Model

Pipe Link: RRU0590	Upstream	Downstream
Scenario: Alt3	Invert: 8.34 ft	Invert: 7.97 ft
From Node: NRU0590	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0570	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 337.99 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RRU0610	Upstream	Downstream
Scenario: Alt3	Invert: 8.69 ft	Invert: 8.34 ft
From Node: NRU0610	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0590	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 316.74 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RRU0612	Upstream	Downstream
Scenario: Alt3	Invert: 8.98 ft	Invert: 8.70 ft
From Node: NRU0612	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0610	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	258.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory					

Pipe Link: RRU0615	Upstream	Downstream
Scenario: Alt3	Invert: 13.74 ft	Invert: 10.95 ft
From Node: NRU0615	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0610	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 930.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: RRU0616	Upstream	Downstream
Scenario: Alt3	Invert: 17.46 ft	Invert: 16.56 ft
From Node: NRU0616	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0615	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 849.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: RRU0618	Upstream	Downstream
Scenario: Alt3	Invert: 16.29 ft	Invert: 13.74 ft
From Node: NRU0618	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0616	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 193.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: RRU0620	Upstream	Downstream
Scenario: Alt3	Invert: 15.49 ft	Invert: 14.61 ft
From Node: NRU0620	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0615	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 295.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: RRU0630	Upstream	Downstream
Scenario: Alt3	Invert: 9.28 ft	Invert: 8.98 ft
From Node: NRU0630	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0612	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 270.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, Field

Pipe Link: RRU0630A	Upstream	Downstream
Scenario: Alt3	Invert: 9.50 ft	Invert: 9.28 ft
From Node: NRU0630	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0650	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 385.40 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, Field

Pipe Link: RRU0670	Upstream	Downstream
Scenario: Alt3	Invert: 9.53 ft	Invert: 9.50 ft
From Node: NRU0670	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0650	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 55.25 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RRU0690	Upstream	Downstream
Scenario: Alt3	Invert: 9.67 ft	Invert: 9.53 ft

From Node:	NRU0690	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU0670	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	263.27 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: CityPlans

Pipe Link: RRU0710	Upstream	Downstream
Scenario: Alt3	Invert: 9.80 ft	Invert: 9.67 ft
From Node: NRU0710	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0690	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 217.04 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: CityPlans, Field

Pipe Link: RRU0740	Upstream	Downstream
Scenario: Alt3	Invert: 9.98 ft	Invert: 9.80 ft
From Node: NRU0740	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0710	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 328.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:

Energy Switch: Energy	Ref Node: Manning's N: 0.0000	Ref Node: Manning's N: 0.0000
Comment: CityPlans, Field		

Pipe Link: RRU0745	Upstream	Downstream
Scenario: Alt3	Invert: 10.20 ft	Invert: 9.98 ft
From Node: NRU0745	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0740	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 420.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: CityPlans, Field		

Pipe Link: RRU0750	Upstream	Downstream
Scenario: Alt3	Invert: 10.41 ft	Invert: 10.20 ft
From Node: NRU0747	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0745	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 324.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: CityPlans		

Pipe Link: RRU0785	Upstream	Downstream
Scenario: Alt3	Invert: 11.11 ft	Invert: 10.68 ft
From Node: NRU0785	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0770	Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	176.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: CityPlans					

Pipe Link: RRU0785B	Upstream	Downstream
Scenario: Alt3	Invert: 12.56 ft	Invert: 12.39 ft
From Node: NRU0785	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0790	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: None	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 55.60 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, DM Model		

Pipe Link: RRU0790	Upstream	Downstream
Scenario: Alt3	Invert: 11.20 ft	Invert: 11.11 ft
From Node: NRU0790	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0785	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 35.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: CityPlans

Pipe Link: RRU0790B	Upstream	Downstream
Scenario: Alt3	Invert: 12.75 ft	Invert: 12.61 ft
From Node: NRU0790	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0785	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 22.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: City Plans

Pipe Link: RRU0790C	Upstream	Downstream
Scenario: Alt3	Invert: 12.81 ft	Invert: 12.67 ft
From Node: NRU0790	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0785	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 15.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: City Plans

Pipe Link: RRU0790D	Upstream	Downstream
Scenario: Alt3	Invert: 13.85 ft	Invert: 12.09 ft
From Node: NRU0790	Manning's N: 0.0100	Manning's N: 0.0100
To Node: NRU0785	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	23.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: City Plans					

Pipe Link: RRU0810		Upstream		Downstream	
Scenario:	Alt3	Invert:	11.63 ft	Invert:	11.28 ft
From Node:	NRU0810	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU0790	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	301.49 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory, DM Model					

Pipe Link: RRU0820B		Upstream		Downstream	
Scenario:	Alt3	Invert:	15.84 ft	Invert:	15.74 ft
From Node:	STORAGE8	Manning's N:	0.0100	Manning's N:	0.0100
To Node:	NRU0820	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.67 ft	Max Depth:	0.67 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Added per ERP 12131					

Pipe Link: RRU0870		Upstream	Downstream
Scenario:	Alt3	Invert: 12.04 ft	Invert: 11.64 ft
From Node:	NRU0870	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU0850	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	80.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Added per ERP 20724			

Weir Link: RRU0890		
Scenario:	Alt3	Bottom Clip
From Node:	NRU0890	Default: 0.00 ft
To Node:	NRU0870	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	16.04 ft	Discharge Coefficients
Control Elevation:	16.04 ft	Weir Default: 3.200
Max Depth:	1.50 ft	Weir Table:
Max Width:	15.17 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:
Comment: Updated per ERP 20724		

Weir Link: RRU0890B			
Scenario: Alt3		Bottom Clip	
From Node: NRU0890		Default: 0.00 ft	
To Node: NRU0870		Op Table:	
Link Count: 1		Ref Node:	
Flow Direction: Both		Top Clip	
Damping: 0.0000 ft		Default: 0.00 ft	
Weir Type: Sharp Crested Vertical		Op Table:	
Geometry Type: Rectangular		Ref Node:	
Invert: 17.39 ft		Discharge Coefficients	
Control Elevation: 17.39 ft		Weir Default: 3.200	
Max Depth: 9999.00 ft		Weir Table:	

Max Width: 25.33 ft
Fillet: 0.00 ft

Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: RRU0910

Upstream

Downstream

Scenario: Alt3
From Node: NRU0910
To Node: NRU0890
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 244.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 16.66 ft
Manning's N: 0.0120

Invert: 15.26 ft
Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 1.25 ft

Max Depth: 1.25 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Added per ERP 24539

Weir Link: RRU0930

Scenario: Alt3
From Node: NRU0930
To Node: NRU0910
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 19.14 ft
Control Elevation: 19.14 ft
Max Depth: 1.10 ft
Max Width: 2.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Updated per ERP 24539

Weir Link: RRU0930A

Scenario: Alt3
From Node: NRU0930
To Node: NRU0910

Bottom Clip

Default: 0.00 ft

Op Table:

Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 20.24 ft
 Control Elevation: 20.24 ft
 Max Depth: 9999.00 ft
 Max Width: 15.50 ft
 Fillet: 0.00 ft

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Updated per ERP 24539

Pipe Link: RRU0970

Upstream

Downstream

Scenario: Alt3
 From Node: NRU0970
 To Node: NRU0950
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 287.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 12.54 ft

Invert: 11.22 ft

Manning's N: 0.0120

Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 2.50 ft

Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Added per ERP 20724

Pipe Link: RRU0990

Upstream

Downstream

Scenario: Alt3
 From Node: NRU0990
 To Node: NRU0890
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 40.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 1.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 12.24 ft

Invert: 11.64 ft

Manning's N: 0.0120

Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 3.00 ft

Max Depth: 3.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment: Added per ERP 20724

Pipe Link: RRU0990A	Upstream	Downstream
Scenario: Alt3	Invert: 12.24 ft	Invert: 12.54 ft
From Node: NRU0980	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0970	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.67 ft	Max Depth: 2.67 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 318.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Added per ERP 20724

Pipe Link: RRU1010	Upstream	Downstream
Scenario: Alt3	Invert: 12.77 ft	Invert: 12.24 ft
From Node: NRU1010	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU0990	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.67 ft	Max Depth: 2.67 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 66.82 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Added per ERP 20724

Pipe Link: RRU1015	Upstream	Downstream
Scenario: Alt3	Invert: 13.54 ft	Invert: 13.20 ft
From Node: NRU1015	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1010	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	317.25 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Added per ERP 19758

Pipe Link: RRU1025	Upstream	Downstream
Scenario: Alt3	Invert: 14.33 ft	Invert: 13.95 ft
From Node: NRU1025	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1015	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 318.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Added per ERP 19758

Pipe Link: RRU1037	Upstream	Downstream
Scenario: Alt3	Invert: 16.52 ft	Invert: 14.56 ft
From Node: NRU1037	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1050	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.17 ft	Max Depth: 1.17 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 284.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Added per ERP 20364

Pipe Link: RRU1040		Upstream	Downstream
Scenario:	Alt3	Invert: 13.08 ft	Invert: 12.77 ft
From Node:	NRU1040	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU1010	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 2.66 ft	Max Depth: 2.66 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	415.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Size from ERP 20724; interpolated US inv			

Pipe Link: RRU1045		Upstream	Downstream
Scenario:	Alt3	Invert: 16.08 ft	Invert: 16.02 ft
From Node:	NRU1045	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU1046	Geometry: Circular	Geometry: Circular
Link Count:	2	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	60.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment: Added per ERP 19758			

Pipe Link: RRU1046		Upstream	Downstream
Scenario:	Alt3	Invert: 14.38 ft	Invert: 14.14 ft
From Node:	NRU1046	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU1020	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	287.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Added per ERP 19758

Pipe Link: RRU1070	Upstream	Downstream
Scenario: Alt3	Invert: 15.18 ft	Invert: 13.59 ft
From Node: NRU1070	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1050	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 481.88 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, DM Model

Pipe Link: RRU1170	Upstream	Downstream
Scenario: Alt3	Invert: 13.67 ft	Invert: 12.03 ft
From Node: NRU1170	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1150	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.17 ft	Max Depth: 1.17 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 428.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: CityPlans

Pipe Link: RRU1182	Upstream	Downstream
Scenario: Alt3	Invert: 12.90 ft	Invert: 12.22 ft

From Node:	NRU1182	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU1232	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	319.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory, Field

Pipe Link:	RRU1184	Upstream		Downstream	
Scenario:	Alt3	Invert:	13.10 ft	Invert:	12.90 ft
From Node:	NRU1184	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU1182	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	87.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Inventory

Pipe Link:	RRU1185	Upstream		Downstream	
Scenario:	Alt3	Invert:	14.79 ft	Invert:	13.10 ft
From Node:	NRU1185	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU1184	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	301.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy	Ref Node: Manning's N: 0.0000	Ref Node: Manning's N: 0.0000
Comment: Field		

Pipe Link: RRU1186	Upstream	Downstream
Scenario: Alt3	Invert: 13.30 ft	Invert: 13.10 ft
From Node: NRU1186	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1184	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.75 ft	Max Depth: 1.75 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 145.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: RRU1188	Upstream	Downstream
Scenario: Alt3	Invert: 13.42 ft	Invert: 13.30 ft
From Node: NRU1188	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1186	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: None	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 37.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, Field		

Pipe Link: RRU1190	Upstream	Downstream
Scenario: Alt3	Invert: 13.93 ft	Invert: 13.73 ft
From Node: NRU1190	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1170	Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	144.01 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: CityPlans					

Pipe Link: RRU1210	Upstream	Downstream
Scenario: Alt3	Invert: 14.00 ft	Invert: 13.94 ft
From Node: NRU1210	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1190	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.16 ft	Max Depth: 1.16 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 35.97 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, DM Model		

Pipe Link: RRU1210B	Upstream	Downstream
Scenario: Alt3	Invert: 14.52 ft	Invert: 13.30 ft
From Node: NRU1210	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1186	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 306.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RRU1220	Upstream	Downstream
Scenario: Alt3	Invert: 16.79 ft	Invert: 14.79 ft
From Node: NRU1220	Manning's N: 0.0100	Manning's N: 0.0100
To Node: NRU1210	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 312.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RRU1234	Upstream	Downstream
Scenario: Alt3	Invert: 14.00 ft	Invert: 13.10 ft
From Node: NRU1234	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1232	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 24.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: CityPlans, Field

Pipe Link: RRU1240	Upstream	Downstream
Scenario: Alt3	Invert: 14.79 ft	Invert: 14.25 ft
From Node: NRU1240	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1230	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	26.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Added per ERP 2417, Field					

Pipe Link: RRU1250	Upstream	Downstream
Scenario: Alt3	Invert: -0.40 ft	Invert: -1.42 ft
From Node: NRU1250	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NRU0010	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Max Width: 8.00 ft	Max Width: 8.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 144.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 1.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RRU1270	Upstream	Downstream
Scenario: Alt3	Invert: -0.19 ft	Invert: -0.40 ft
From Node: NRU1270	Manning's N: 0.0270	Manning's N: 0.0270
To Node: NRU1250	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.50 ft	Max Depth: 5.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 94.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU1270A	Upstream	Downstream
Scenario: Alt3	Invert: -0.19 ft	Invert: -0.40 ft
From Node: NRU1270	Manning's N: 0.0270	Manning's N: 0.0270
To Node: NRU1250	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.50 ft	Max Depth: 5.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 94.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU1270OW	Upstream	Downstream
Scenario: Alt3	Invert: 5.66 ft	Invert: 5.65 ft
From Node: NRU1270	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU1250	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RRU1270OW	Cross Section: RRU1270OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RRU1290	Upstream	Downstream
Scenario: Alt3	Invert: 0.11 ft	Invert: -0.19 ft
From Node: NRU1290	Manning's N: 0.0240	Manning's N: 0.0240
To Node: NRU1270	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.50 ft	Max Depth: 5.50 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	130.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: RRU1290A	Upstream	Downstream
Scenario: Alt3	Invert: 0.11 ft	Invert: -0.19 ft
From Node: NRU1290	Manning's N: 0.0240	Manning's N: 0.0240
To Node: NRU1270	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.50 ft	Max Depth: 5.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 130.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RRU1310	Upstream	Downstream
Scenario: Alt3	Invert: 0.83 ft	Invert: 0.11 ft
From Node: NRU1310	Manning's N: 0.0180	Manning's N: 0.0180
To Node: NRU1290	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.50 ft	Max Depth: 5.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 355.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RRU1310A		Upstream	Downstream
Scenario:	Alt3	Invert: 0.83 ft	Invert: 0.11 ft
From Node:	NRU1310	Manning's N: 0.0180	Manning's N: 0.0180
To Node:	NRU1290	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 5.50 ft	Max Depth: 5.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	355.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Weir Link: RRU1330			
Scenario:	Alt3	Bottom Clip	
From Node:	NRU1330	Default:	0.00 ft
To Node:	NRU0150	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	7.37 ft	Discharge Coefficients	
Control Elevation:	7.37 ft	Weir Default:	3.200
Max Depth:	833.25 ft	Weir Table:	
Max Width:	11.50 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Pipe Link: RRU1330A		Upstream	Downstream
Scenario:	Alt3	Invert: 3.87 ft	Invert: 1.33 ft
From Node:	NRU1330	Manning's N: 0.0160	Manning's N: 0.0160
To Node:	NRU1310	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	535.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft

Bend Location: 0.00 dec
Energy Switch: Energy

Op Table:
Ref Node:
Manning's N: 0.0000

Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: RRU1330B

Scenario: Alt3
From Node: NRU1330
To Node: NRU1310
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 535.00 ft
FHWA Code: 0
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 3.87 ft
Manning's N: 0.0160

Geometry: Circular

Max Depth: 5.00 ft

Downstream

Invert: 1.33 ft
Manning's N: 0.0160

Geometry: Circular

Max Depth: 5.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Comment:

Channel Link: RRU1330OW

Scenario: Alt3
From Node: NRU1350
To Node: NRU1330
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 11.35 ft
Manning's N: 0.0000

Geometry: Irregular

Cross Section: RRU1330OW

Downstream

Invert: 11.34 ft
Manning's N: 0.0000

Geometry: Irregular

Cross Section: RRU1330OW

Comment:

Pipe Link: RRU1350

Scenario: Alt3
From Node: NRU1350

Upstream

Invert: 3.95 ft
Manning's N: 0.0330

Downstream

Invert: 3.87 ft
Manning's N: 0.0330

To Node:	NRU1330	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link:	RRU1350A	Upstream		Downstream	
Scenario:	Alt3	Invert:	3.95 ft	Invert:	3.87 ft
From Node:	NRU1350	Manning's N:	0.0330	Manning's N:	0.0330
To Node:	NRU1330	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	50.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link:	RRU1370	Upstream		Downstream	
Scenario:	Alt3	Invert:	4.37 ft	Invert:	3.95 ft
From Node:	NRU1370	Manning's N:	0.0170	Manning's N:	0.0170
To Node:	NRU1350	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	5.00 ft	Max Depth:	5.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	345.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: RRU1370A

Upstream

Downstream

Scenario: Alt3
 From Node: NRU1370
 To Node: NRU1350
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 345.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 4.37 ft

Invert: 3.95 ft

Manning's N: 0.0170

Manning's N: 0.0170

Geometry: Circular

Geometry: Circular

Max Depth: 5.00 ft

Max Depth: 5.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: RRU1370OW

Upstream

Downstream

Scenario: Alt3
 From Node: NRU1390
 To Node: NRU1370
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 12.18 ft

Invert: 12.17 ft

Manning's N: 0.0000

Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: RRU1370OW

Cross Section: RRU1370OW

Comment:

Pipe Link: RRU1390

Upstream

Downstream

Scenario: Alt3
 From Node: NRU1390
 To Node: NRU1370
 Link Count: 1

Invert: 5.29 ft

Invert: 4.59 ft

Manning's N: 0.0150

Manning's N: 0.0150

Geometry: Circular

Geometry: Circular

Max Depth: 3.50 ft

Max Depth: 3.50 ft

Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 460.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RRU1410	Upstream	Downstream
Scenario: Alt3	Invert: 4.88 ft	Invert: 4.41 ft
From Node: NRU1410	Manning's N: 0.0160	Manning's N: 0.0160
To Node: NRU1370	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 475.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RRU1410A	Upstream	Downstream
Scenario: Alt3	Invert: 4.88 ft	Invert: 4.41 ft
From Node: NRU1410	Manning's N: 0.0160	Manning's N: 0.0160
To Node: NRU1370	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 475.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RRU1410OW		Upstream	Downstream
Scenario:	Alt3	Invert: 14.10 ft	Invert: 14.09 ft
From Node:	NRU1410	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU1370	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RRU1410OW	Cross Section: RRU1410OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RRU1430		Upstream	Downstream
Scenario:	Alt3	Invert: 10.20 ft	Invert: 9.10 ft
From Node:	NRU1430	Manning's N: 0.0140	Manning's N: 0.0140
To Node:	NRU1410	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	730.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RRU1430OW		Upstream	Downstream
Scenario:	Alt3	Invert: 13.96 ft	Invert: 13.95 ft
From Node:	NRU1430	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU0425	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RRU1430OW	Cross Section: RRU1430OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RRU1450	Upstream	Downstream
Scenario: Alt3	Invert: 10.20 ft	Invert: 9.89 ft
From Node: NRU1450	Manning's N: 0.0140	Manning's N: 0.0140
To Node: NRU1430	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 238.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU1450OW	Upstream	Downstream
Scenario: Alt3	Invert: 15.68 ft	Invert: 15.67 ft
From Node: NRU1450	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBB0070	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RRU1450OW	Cross Section: RRU1450OW

Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RRU1470	Upstream	Downstream
Scenario: Alt3	Invert: 10.58 ft	Invert: 10.20 ft

From Node:	NRU1470	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU1450	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	232.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RRU1490

e Link: RRU1490		Upstream		Downstream	
Scenario:	Alt3	Invert:	11.65 ft	Invert:	11.08 ft
From Node:	NRU1490	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NRU1470	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	268.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RRU1490OW

Channel Link: RRU1490OW		Upstream		Downstream	
Scenario:	Alt3	Invert:	16.28 ft	Invert:	16.27 ft
From Node:	NRU1490	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBB0070	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	RRU1490OW	Cross Section:	RRU1490OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Pipe Link: RRU1510	Upstream	Downstream
Scenario: Alt3	Invert: 7.60 ft	Invert: 7.10 ft
From Node: NRU1510	Manning's N: 0.0150	Manning's N: 0.0150
To Node: NRU1410	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 1000.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU1510A	Upstream	Downstream
Scenario: Alt3	Invert: 7.60 ft	Invert: 7.10 ft
From Node: NRU1510	Manning's N: 0.0150	Manning's N: 0.0150
To Node: NRU1410	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.50 ft	Max Depth: 4.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 1000.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU1510OW	Upstream	Downstream
Scenario: Alt3	Invert: 14.06 ft	Invert: 14.05 ft
From Node: NRU1510	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU1550	Geometry: Irregular	Geometry: Irregular

Link Count:	1	Cross Section:	RRU1510OW	Cross Section:	RRU1510OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RRU1530	Upstream	Downstream
Scenario: Alt3	Invert: 7.50 ft	Invert: 7.53 ft
From Node: NRU1530	Manning's N: 0.0170	Manning's N: 0.0170
To Node: NRU1510	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 280.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU1550	Upstream	Downstream
Scenario: Alt3	Invert: 8.01 ft	Invert: 7.50 ft
From Node: NRU1550	Manning's N: 0.0150	Manning's N: 0.0150
To Node: NRU1530	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 390.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU1550OW		Upstream	Downstream
Scenario:	Alt3	Invert: 16.35 ft	Invert: 16.34 ft
From Node:	NRU1550	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU1930	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RRU1550OW	Cross Section: RRU1550OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RRU1570		Upstream	Downstream
Scenario:	Alt3	Invert: 8.23 ft	Invert: 8.01 ft
From Node:	NRU1570	Manning's N: 0.0160	Manning's N: 0.0160
To Node:	NRU1550	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	320.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU1570OW		Upstream	Downstream
Scenario:	Alt3	Invert: 16.64 ft	Invert: 16.63 ft
From Node:	NRU1590	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU1570	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RRU1570OW	Cross Section: RRU1570OW
Flow Direction:	Both		

Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RRU1590	Upstream	Downstream
Scenario: Alt3	Invert: 13.14 ft	Invert: 12.56 ft
From Node: NRU1590	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1570	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 452.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU1610	Upstream	Downstream
Scenario: Alt3	Invert: 8.39 ft	Invert: 8.23 ft
From Node: NRU1610	Manning's N: 0.0170	Manning's N: 0.0170
To Node: NRU1570	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 230.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU1610OW		Upstream	Downstream
Scenario:	Alt3	Invert: 17.22 ft	Invert: 17.21 ft
From Node:	NRU1610	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU1650	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RRU1610OW	Cross Section: RRU1610OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RRU1630		Upstream	Downstream
Scenario:	Alt3	Invert: 8.67 ft	Invert: 8.39 ft
From Node:	NRU1630	Manning's N: 0.0150	Manning's N: 0.0150
To Node:	NRU1610	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	420.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU1650		Upstream	Downstream
Scenario:	Alt3	Invert: 8.81 ft	Invert: 8.67 ft
From Node:	NRU1650	Manning's N: 0.0180	Manning's N: 0.0180
To Node:	NRU1630	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	210.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RRU1670

	Upstream	Downstream
Scenario:	Alt3	
From Node:	NRU1670	
To Node:	NRU1650	
Link Count:	1	
Flow Direction:	Both	
Damping:	0.0000 ft	
Length:	150.00 ft	
FHWA Code:	0	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	
	Invert: 8.92 ft	Invert: 8.81 ft
	Manning's N: 0.0190	Manning's N: 0.0190
	Geometry: Circular	Geometry: Circular
	Max Depth: 3.50 ft	Max Depth: 3.50 ft
	Bottom Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU1690

	Upstream	Downstream
Scenario:	Alt3	
From Node:	NRU1690	
To Node:	NRU1670	
Link Count:	1	
Flow Direction:	Both	
Damping:	0.0000 ft	
Length:	700.00 ft	
FHWA Code:	0	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	
	Invert: 9.39 ft	Invert: 8.92 ft
	Manning's N: 0.0150	Manning's N: 0.0150
	Geometry: Circular	Geometry: Circular
	Max Depth: 3.50 ft	Max Depth: 3.50 ft
	Bottom Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU1690OW

	Upstream	Downstream
Scenario:	Alt3	
	Invert: 17.31 ft	Invert: 17.30 ft

From Node:	NRU1690	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR2210	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RRU1690OW	Cross Section:	RRU1690OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RRU1710	Upstream	Downstream
Scenario: Alt3	Invert: 11.04 ft	Invert: 10.31 ft
From Node: NRU1710	Manning's N: 0.0160	Manning's N: 0.0160
To Node: NRU1690	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 365.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RRU1730	Bottom Clip	
Scenario: Alt3	Default: 0.00 ft	
From Node: NRU1730	Op Table:	
To Node: NRU1710	Ref Node:	
Link Count: 1	Top Clip	
Flow Direction: Both	Default: 0.00 ft	
Damping: 0.0000 ft	Op Table:	
Weir Type: Sharp Crested Vertical	Ref Node:	
Geometry Type: Rectangular	Discharge Coefficients	
Invert: 12.95 ft	Weir Default: 3.200	
Control Elevation: 12.95 ft	Weir Table:	
Max Depth: 9999.00 ft	Orifice Default: 0.600	
Max Width: 2.00 ft		

Fillet: 0.00 ft

Orifice Table:

Comment:

Pipe Link: RRU1750	Upstream	Downstream
Scenario: Alt3	Invert: 12.97 ft	Invert: 12.88 ft
From Node: NRU1750	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1730	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 16.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU1770	Upstream	Downstream
Scenario: Alt3	Invert: 12.88 ft	Invert: 12.90 ft
From Node: NRU1770	Manning's N: 0.0150	Manning's N: 0.0150
To Node: NRU1750	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 215.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU1770OW	Upstream	Downstream
Scenario: Alt3	Invert: 15.67 ft	Invert: 15.66 ft
From Node: NRU1770	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU1730	Geometry: Irregular	Geometry: Irregular

Link Count:	1	Cross Section:	RRU1770OW	Cross Section:	RRU1770OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RRU1790	Upstream	Downstream
Scenario: Alt3	Invert: 14.16 ft	Invert: 13.37 ft
From Node: NRU1790	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1770	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 320.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU1790OW	Upstream	Downstream
Scenario: Alt3	Invert: 17.91 ft	Invert: 17.90 ft
From Node: NRU1790	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU1770	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RRU1790OW	Cross Section: RRU1790OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RRU1810	Upstream	Downstream
Scenario: Alt3	Invert: 15.84 ft	Invert: 14.16 ft
From Node: NRU1810	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1790	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 430.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU1810OW	Upstream	Downstream
Scenario: Alt3	Invert: 14.87 ft	Invert: 14.86 ft
From Node: NRU1810	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU1730	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RRU1810OW	Cross Section: RRU1810OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RRU1830	Upstream	Downstream
Scenario: Alt3	Invert: 13.23 ft	Invert: 12.88 ft
From Node: NRU1830	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1770	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	167.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RRU1830OW	Upstream	Downstream
Scenario: Alt3	Invert: 17.98 ft	Invert: 17.97 ft
From Node: NRU1830	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU1910	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RRU1830OW	Cross Section: RRU1830OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RRU1850	Upstream	Downstream
Scenario: Alt3	Invert: 10.80 ft	Invert: 10.15 ft
From Node: NRU1850	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1690	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 220.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU1870		Upstream	Downstream
Scenario:	Alt3	Invert: 10.93 ft	Invert: 10.33 ft
From Node:	NRU1870	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU1850	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	140.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: RRU1890		Upstream	Downstream
Scenario:	Alt3	Invert: 11.14 ft	Invert: 10.93 ft
From Node:	NRU1890	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU1870	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	176.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: RRU1910		Upstream	Downstream
Scenario:	Alt3	Invert: 12.56 ft	Invert: 11.14 ft
From Node:	NRU1910	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU1890	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	1011.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RRU1910OW		Upstream	Downstream
Scenario:	Alt3	Invert:	17.16 ft
From Node:	NRU1910	Manning's N:	0.0000
To Node:	NRU1890	Geometry:	Irregular
Link Count:	1	Cross Section:	RRU1910OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RRU1930		Upstream	Downstream
Scenario:	Alt3	Invert:	7.79 ft
From Node:	NRU1930	Manning's N:	0.0090
To Node:	NRU1530	Geometry:	Circular
Link Count:	1	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	106.00 ft	Op Table:	
FHWA Code:	0	Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000

Comment:

Channel Link: RRU1930OW		Upstream	Downstream
Scenario:	Alt3	Invert:	13.82 ft
			Invert:
			13.81 ft

From Node:	NRU1930	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NRU1530	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RRU1930OW	Cross Section:	RRU1930OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RRU1950		Upstream	Downstream
Scenario:	Alt3	Invert: 8.41 ft	Invert: 7.79 ft
From Node:	NRU1950	Manning's N: 0.0090	Manning's N: 0.0090
To Node:	NRU1930	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	520.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: RRU1970		Upstream	Downstream
Scenario:	Alt3	Invert: 8.62 ft	Invert: 8.61 ft
From Node:	NRU1970	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NRU1950	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	176.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: RRU1990

Upstream

Downstream

Scenario: Alt3
 From Node: NRU1990
 To Node: NRU1970
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 168.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 8.82 ft
 Manning's N: 0.0090

Invert: 8.62 ft
 Manning's N: 0.0090

Geometry: Circular

Geometry: Circular

Max Depth: 3.50 ft

Max Depth: 3.50 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: RRU1990OW

Upstream

Downstream

Scenario: Alt3
 From Node: NRU1990
 To Node: NRU1550
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 17.67 ft
 Manning's N: 0.0000

Invert: 17.66 ft
 Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: RRU1990OW

Cross Section: RRU1990OW

Comment:

Pipe Link: RRU2010

Upstream

Downstream

Scenario: Alt3
 From Node: NRU2010
 To Node: NRU1990

Invert: 9.79 ft
 Manning's N: 0.0090

Invert: 8.96 ft
 Manning's N: 0.0090

Geometry: Circular

Geometry: Circular

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	822.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RRU2010OW	Upstream	Downstream
Scenario: Alt3	Invert: 18.73 ft	Invert: 18.72 ft
From Node: NRU2010	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU1790	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RRU2010OW	Cross Section: RRU2010OW

Flow Direction:	Both
Damping:	0.0000 ft
Length:	33.00 ft
Contraction Coef:	0.00
Expansion Coef:	0.00
Entr Loss Coef:	0.00
Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Comment:

Pipe Link: RRU2030	Upstream	Downstream
Scenario: Alt3	Invert: 10.63 ft	Invert: 10.29 ft
From Node: NRU2030	Manning's N: 0.0090	Manning's N: 0.0090
To Node: NRU2010	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	172.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RRU2030OW		Upstream	Downstream
Scenario:	Alt3	Invert: 18.35 ft	Invert: 18.34 ft
From Node:	NRU2030	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU1790	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RRU2030OW	Cross Section: RRU2030OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RRU2050		Upstream	Downstream
Scenario:	Alt3	Invert: 13.13 ft	Invert: 12.78 ft
From Node:	NRU2050	Manning's N: 0.0090	Manning's N: 0.0090
To Node:	NRU2030	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	35.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RRU2070		Bottom Clip
Scenario:	Alt3	Default: 0.00 ft
From Node:	NRU2070	Op Table:
To Node:	NRU2050	Ref Node:
Link Count:	1	
Flow Direction:	Both	Top Clip

Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 18.43 ft
Control Elevation: 18.43 ft
Max Depth: 9999.00 ft
Max Width: 14.00 ft
Fillet: 0.00 ft

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RRU2070A

Scenario: Alt3
From Node: NRU2070
To Node: NRU2050
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 17.31 ft
Control Elevation: 17.31 ft
Max Depth: 18.43 ft
Max Width: 3.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Channel Link: RRU2070OW

Scenario: Alt3
From Node: NRU2070
To Node: NRU2030
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

	Upstream	Downstream
Invert:	19.95 ft	19.94 ft
Manning's N:	0.0000	0.0000
Geometry:	Irregular	Irregular
Cross Section:	RRU2070OW	RRU2070OW

Comment:

Pipe Link: RRU2090	Upstream	Downstream
Scenario: Alt3	Invert: 8.95 ft	Invert: 8.82 ft
From Node: NRU2090	Manning's N: 0.0090	Manning's N: 0.0090
To Node: NRU1990	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 109.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RRU2090OW	Upstream	Downstream
Scenario: Alt3	Invert: 18.80 ft	Invert: 18.79 ft
From Node: NRU2110	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU2090	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RRU2090OW	Cross Section: RRU2090OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Pipe Link: RRU2110	Upstream	Downstream
Scenario: Alt3	Invert: 9.20 ft	Invert: 8.95 ft
From Node: NRU2110	Manning's N: 0.0090	Manning's N: 0.0090
To Node: NRU2090	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 204.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RRU2110OW	Upstream	Downstream
Scenario: Alt3	Invert: 18.02 ft	Invert: 18.01 ft
From Node: NRU2110	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU2230	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RRU2110OW	Cross Section: RRU2110OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RRU2130	Upstream	Downstream
Scenario: Alt3	Invert: 9.73 ft	Invert: 9.20 ft
From Node: NRU2130	Manning's N: 0.0090	Manning's N: 0.0090
To Node: NRU2110	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 442.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU2130OW	Upstream	Downstream
Scenario: Alt3	Invert: 18.54 ft	Invert: 18.53 ft

From Node:	NRU2130	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NRU2230	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RRU2130OW	Cross Section:	RRU2130OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RRU2150		Upstream	Downstream
Scenario:	Alt3	Invert: 10.48 ft	Invert: 9.75 ft
From Node:	NRU2150	Manning's N: 0.0090	Manning's N: 0.0090
To Node:	NRU2130	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	367.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RRU2150OW		Upstream	Downstream
Scenario:	Alt3	Invert: 18.45 ft	Invert: 18.44 ft
From Node:	NRU2150	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU2190	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RRU2150OW	Cross Section: RRU2150OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Pipe Link: RRU2170

Scenario: Alt3
 From Node: NRU2170
 To Node: NRU2150
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 684.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 13.23 ft
 Manning's N: 0.0090
 Geometry: Circular
 Max Depth: 1.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 10.48 ft
 Manning's N: 0.0090
 Geometry: Circular
 Max Depth: 1.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Bottom Clip

Top Clip

Comment:

Weir Link: RRU2190

Scenario: Alt3
 From Node: NRU2190
 To Node: NRU2170
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 18.23 ft
 Control Elevation: 18.23 ft
 Max Depth: 9999.00 ft
 Max Width: 14.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: RRU2190A

Scenario: Alt3
 From Node: NRU2190
 To Node: NRU2170
 Link Count: 1

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 15.96 ft
 Control Elevation: 15.96 ft
 Max Depth: 16.46 ft
 Max Width: 2.00 ft
 Fillet: 0.00 ft

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Channel Link: RRU2190OW

Upstream

Downstream

Scenario: Alt3
 From Node: NRU2190
 To Node: NRU1830
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 18.29 ft

Invert: 18.28 ft

Manning's N: 0.0000

Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: RRU2190OW

Cross Section: RRU2190OW

Comment:

Pipe Link: RRU2210

Upstream

Downstream

Scenario: Alt3
 From Node: NRU2210
 To Node: NRU2130
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 140.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 13.13 ft

Invert: 12.46 ft

Manning's N: 0.0090

Manning's N: 0.0090

Geometry: Circular

Geometry: Circular

Max Depth: 1.50 ft

Max Depth: 1.50 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Weir Link: RRU2230

Scenario: Alt3
 From Node: NRU2230
 To Node: NRU2210
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 18.73 ft
 Control Elevation: 18.73 ft
 Max Depth: 9999.00 ft
 Max Width: 14.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: RRU2230A

Scenario: Alt3
 From Node: NRU2230
 To Node: NRU2210
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 16.63 ft
 Control Elevation: 16.63 ft
 Max Depth: 17.13 ft
 Max Width: 3.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Channel Link: RRU2230OW

Scenario: Alt3
 From Node: NRU2230
 To Node: NRU2410
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00

Upstream

Invert: 16.99 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RRU2230OW

Downstream

Invert: 16.98 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: RRU2230OW

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Weir Link: RRU2250

Scenario:	Alt3	Bottom Clip
From Node:	NRU2250	Default: 0.00 ft
To Node:	NRU2530	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	18.53 ft	Discharge Coefficients
Control Elevation:	18.53 ft	Weir Default: 3.200
Max Depth:	9999.00 ft	Weir Table:
Max Width:	14.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Pipe Link: RRU2250A

	Upstream	Downstream
Scenario:	Alt3	Invert: 14.13 ft
From Node:	NRU2250	Invert: 13.99 ft
To Node:	NRU2230	Manning's N: 0.0090
Link Count:	1	Manning's N: 0.0090
Flow Direction:	Both	Geometry: Circular
Damping:	0.0000 ft	Geometry: Circular
Length:	45.00 ft	Max Depth: 2.00 ft
FHWA Code:	0	Max Depth: 2.00 ft
Entr Loss Coef:	0.50	Bottom Clip
Exit Loss Coef:	1.00	Default: 0.00 ft
Bend Loss Coef:	0.00	Op Table:
Bend Location:	0.00 dec	Op Table:
Energy Switch:	Energy	Ref Node:
	Manning's N: 0.0000	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RRU2250B

Scenario:	Alt3	Bottom Clip
From Node:	NRU2250	Default: 0.00 ft
To Node:	NRU2530	Op Table:
Link Count:	1	Ref Node:

Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 16.63 ft
 Control Elevation: 16.63 ft
 Max Depth: 18.53 ft
 Max Width: 1.90 ft
 Fillet: 0.00 ft

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Channel Link: RRU2250OW

Upstream

Downstream

Scenario: Alt3
 From Node: NRU2250
 To Node: NRU2430
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 17.71 ft

Invert: 17.70 ft

Manning's N: 0.0000

Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: RRU2250OW

Cross Section: RRU2250OW

Comment:

Pipe Link: RRU2270

Upstream

Downstream

Scenario: Alt3
 From Node: NRU2270
 To Node: NRU2130
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 252.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 9.89 ft

Invert: 9.73 ft

Manning's N: 0.0090

Manning's N: 0.0090

Geometry: Circular

Geometry: Circular

Max Depth: 3.50 ft

Max Depth: 3.50 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: RRU2270OW		Upstream	Downstream
Scenario:	Alt3	Invert: 18.33 ft	Invert: 18.32 ft
From Node:	NRU2270	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU2230	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RRU2270OW	Cross Section: RRU2270OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RRU2290		Upstream	Downstream
Scenario:	Alt3	Invert: 10.27 ft	Invert: 9.89 ft
From Node:	NRU2290	Manning's N: 0.0090	Manning's N: 0.0090
To Node:	NRU2270	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	233.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RRU2290OW		Upstream	Downstream
Scenario:	Alt3	Invert: 18.40 ft	Invert: 18.39 ft
From Node:	NRU2310	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU2290	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RRU2290OW	Cross Section: RRU2290OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RRU2310	Upstream	Downstream
Scenario: Alt3	Invert: 10.89 ft	Invert: 10.62 ft
From Node: NRU2310	Manning's N: 0.0090	Manning's N: 0.0090
To Node: NRU2290	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 180.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU2330	Upstream	Downstream
Scenario: Alt3	Invert: 11.21 ft	Invert: 10.89 ft
From Node: NRU2330	Manning's N: 0.0090	Manning's N: 0.0090
To Node: NRU2310	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 160.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU2330OW	Upstream	Downstream
Scenario: Alt3	Invert: 19.06 ft	Invert: 19.05 ft

From Node:	NRU2330	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NRU2230	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RRU2330OW	Cross Section:	RRU2330OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RRU2350		Upstream	Downstream
Scenario:	Alt3	Invert: 12.36 ft	Invert: 11.81 ft
From Node:	NRU2350	Manning's N: 0.0090	Manning's N: 0.0090
To Node:	NRU2330	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	110.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: RRU2370		Upstream	Downstream
Scenario:	Alt3	Invert: 13.28 ft	Invert: 12.36 ft
From Node:	NRU2370	Manning's N: 0.0090	Manning's N: 0.0090
To Node:	NRU2350	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	184.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Weir Link: RRU2390

Scenario: Alt3
From Node: NRU2390
To Node: NRU2370
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 18.53 ft
Control Elevation: 18.53 ft
Max Depth: 9999.00 ft
Max Width: 14.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: RRU2390A

Scenario: Alt3
From Node: NRU2390
To Node: NRU2370
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 15.48 ft
Control Elevation: 15.48 ft
Max Depth: 16.46 ft
Max Width: 1.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Channel Link: RRU2390OW

Scenario: Alt3
From Node: NRU2390
To Node: NRU2330
Link Count: 1
Flow Direction: Both

Upstream

Invert: 19.27 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RRU2390OW

Downstream

Invert: 19.26 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: RRU2390OW

Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RRU2410	Upstream	Downstream
Scenario: Alt3	Invert: 11.48 ft	Invert: 10.96 ft
From Node: NRU2410	Manning's N: 0.0090	Manning's N: 0.0090
To Node: NRU2310	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 261.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU2430	Upstream	Downstream
Scenario: Alt3	Invert: 12.03 ft	Invert: 11.48 ft
From Node: NRU2430	Manning's N: 0.0090	Manning's N: 0.0090
To Node: NRU2410	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 275.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU2430OW		Upstream	Downstream
Scenario:	Alt3	Invert: 17.61 ft	Invert: 17.60 ft
From Node:	NRU2430	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU2230	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RRU2430OW	Cross Section: RRU2430OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RRU2450		Upstream	Downstream
Scenario:	Alt3	Invert: 12.43 ft	Invert: 12.03 ft
From Node:	NRU2450	Manning's N: 0.0090	Manning's N: 0.0090
To Node:	NRU2430	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	205.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RRU2450OW		Upstream	Downstream
Scenario:	Alt3	Invert: 17.83 ft	Invert: 17.82 ft
From Node:	NRU2450	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NRU2250	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RRU2450OW	Cross Section: RRU2450OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RRU2470	Upstream	Downstream
Scenario: Alt3	Invert: 9.77 ft	Invert: 7.50 ft
From Node: NRU2470	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1530	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 282.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RRU2490	Upstream	Downstream
Scenario: Alt3	Invert: 10.96 ft	Invert: 10.04 ft
From Node: NRU2490	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU2470	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 400.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU2490OW	Upstream	Downstream
Scenario: Alt3	Invert: 17.29 ft	Invert: 17.28 ft

From Node:	NRU2490	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NRU2550	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RRU2490OW	Cross Section:	RRU2490OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RRU2510	Upstream	Downstream
Scenario: Alt3	Invert: 14.17 ft	Invert: 11.15 ft
From Node: NRU2510	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU2490	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 290.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RRU2530	Upstream	Downstream
Scenario: Alt3	Invert: 14.06 ft	Invert: 13.17 ft
From Node: NRU2530	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU2510	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 150.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:

Energy Switch: Energy	Ref Node: Manning's N: 0.0000	Ref Node: Manning's N: 0.0000
Comment:		

Pipe Link: RRU2550	Upstream	Downstream
Scenario: Alt3	Invert: 8.59 ft	Invert: 8.08 ft
From Node: NRU2550	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NRU1510	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 517.06 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory, DM Model		

Pipe Link: RRU2570	Upstream	Downstream
Scenario: Alt3	Invert: 9.87 ft	Invert: 9.09 ft
From Node: NRU2570	Manning's N: 0.0150	Manning's N: 0.0150
To Node: NRU2550	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 550.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RRU2570OW	Upstream	Downstream
Scenario: Alt3	Invert: 17.26 ft	Invert: 17.25 ft
From Node: NRU2570	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU2550	Geometry: Irregular	Geometry: Irregular

Link Count:	1	Cross Section:	RRU2570OW	Cross Section:	RRU2570OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RRU2590	Upstream	Downstream
Scenario: Alt3	Invert: 11.03 ft	Invert: 10.37 ft
From Node: NRU2590	Manning's N: 0.0150	Manning's N: 0.0150
To Node: NRU2570	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 389.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU2590OW	Upstream	Downstream
Scenario: Alt3	Invert: 18.15 ft	Invert: 18.14 ft
From Node: NRU2590	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU2570	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RRU2590OW	Cross Section: RRU2590OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RRU2610	Upstream	Downstream
Scenario: Alt3	Invert: 11.40 ft	Invert: 11.03 ft
From Node: NRU2610	Manning's N: 0.0160	Manning's N: 0.0160
To Node: NRU2590	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 235.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU2610OW	Upstream	Downstream
Scenario: Alt3	Invert: 18.11 ft	Invert: 18.10 ft
From Node: NRU2610	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU2570	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RRU2610OW	Cross Section: RRU2610OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RRU2630	Upstream	Downstream
Scenario: Alt3	Invert: 12.23 ft	Invert: 11.90 ft
From Node: NRU2630	Manning's N: 0.0150	Manning's N: 0.0150
To Node: NRU2610	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	307.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RRU2650

	Upstream	Downstream	
Scenario:	Alt3	Invert: 13.39 ft	
From Node:	NRU2650	Manning's N: 0.0150	
To Node:	NRU2630	Manning's N: 0.0150	
Link Count:	1	Geometry: Circular	
Flow Direction:	Both	Max Depth: 2.00 ft	
Damping:	0.0000 ft	Bottom Clip	
Length:	315.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:	
Entr Loss Coef:	0.20	Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000
Bend Loss Coef:	0.00	Top Clip	
Bend Location:	0.00 dec	Default:	0.00 ft
Energy Switch:	Energy	Op Table:	
		Ref Node:	
		Manning's N:	0.0000

Comment:

Channel Link: RRU2650OW

	Upstream	Downstream
Scenario:	Alt3	Invert: 19.04 ft
From Node:	NRU2650	Manning's N: 0.0000
To Node:	NRU2630	Manning's N: 0.0000
Link Count:	1	Geometry: Irregular
Flow Direction:	Both	Cross Section: RRU2650OW
Damping:	0.0000 ft	Cross Section: RRU2650OW
Length:	33.00 ft	
Contraction Coef:	0.00	
Expansion Coef:	0.00	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	

Comment:

Pipe Link: RRU2670	Upstream	Downstream
Scenario: Alt3	Invert: 9.59 ft	Invert: 8.52 ft
From Node: NRU2670	Manning's N: 0.0140	Manning's N: 0.0140
To Node: NRU1410	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 535.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RRU2670OW	Upstream	Downstream
Scenario: Alt3	Invert: 16.41 ft	Invert: 16.40 ft
From Node: NRU2670	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NRU1430	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RRU2670OW	Cross Section: RRU2670OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Pipe Link: RRU2690	Upstream	Downstream
Scenario: Alt3	Invert: 10.69 ft	Invert: 9.59 ft
From Node: NRU2690	Manning's N: 0.0140	Manning's N: 0.0140
To Node: NRU2670	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 550.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RRU2690OW	Upstream	Downstream
Scenario: Alt3	Invert: 15.74 ft	Invert: 15.73 ft
From Node: NRU2690	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBB0310	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RRU2690OW	Cross Section: RRU2690OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSH04	Upstream	Downstream
Scenario: Alt3	Invert: 11.89 ft	Invert: 10.71 ft
From Node: NSH04	Manning's N: 0.0120	Manning's N: 0.0120
To Node: N05	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 3.58 ft	Max Depth: 3.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 1233.90 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: CityPlans

Pipe Link: RSH07	Upstream	Downstream
Scenario: Alt3	Invert: 2.29 ft	Invert: 0.50 ft

From Node:	NSH07	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SH_OUTFALL	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	163.30 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory					

Pipe Link:	RSH08	Upstream		Downstream	
Scenario:	Alt3	Invert:	5.75 ft	Invert:	0.50 ft
From Node:	NSH08	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SH_OUTFALL	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	176.80 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory					

Pipe Link:	RSH09	Upstream		Downstream	
Scenario:	Alt3	Invert:	5.45 ft	Invert:	0.50 ft
From Node:	NSH09	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	SH_OUTFALL	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	161.80 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy	Ref Node: Manning's N: 0.0000	Ref Node: Manning's N: 0.0000
Comment: Inventory		

Pipe Link: RSH21	Upstream	Downstream
Scenario: Alt3	Invert: 7.78 ft	Invert: 4.89 ft
From Node: NSH21	Manning's N: 0.0100	Manning's N: 0.0100
To Node: NSH75	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 255.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: CityPlans - Stormwater Map As-builts page 131		

Pipe Link: RSH22	Upstream	Downstream
Scenario: Alt3	Invert: 9.89 ft	Invert: 8.93 ft
From Node: NSH22	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH26	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.17 ft	Max Depth: 1.17 ft
Flow Direction: None	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 321.20 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: RSH25	Upstream	Downstream
Scenario: Alt3	Invert: 10.17 ft	Invert: 8.24 ft
From Node: NSH25	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH26	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse

Link Count:	1	Max Depth:	1.58 ft	Max Depth:	1.58 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	193.10 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory					

Pipe Link: RSH26	Upstream	Downstream
Scenario: Alt3	Invert: 8.24 ft	Invert: 7.36 ft
From Node: NSH26	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH27A	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 291.10 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: RSH27A	Upstream	Downstream
Scenario: Alt3	Invert: 7.36 ft	Invert: 6.78 ft
From Node: NSH27A	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH27B	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 194.40 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RSH27AA	Upstream	Downstream
Scenario: Alt3	Invert: 9.74 ft	Invert: 9.74 ft
From Node: NSH27AA	Manning's N: 0.0240	Manning's N: 0.0240
To Node: NSH27A	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.83 ft	Max Depth: 1.83 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 45.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Added per ERP 10835

Pipe Link: RSH27B	Upstream	Downstream
Scenario: Alt3	Invert: 6.78 ft	Invert: 3.74 ft
From Node: NSH27B	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH27C	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 404.60 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory, Field

Pipe Link: RSH27C	Upstream	Downstream
Scenario: Alt3	Invert: 3.74 ft	Invert: 2.39 ft
From Node: NSH27C	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH36	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	197.60 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Inventory, Field					

Pipe Link: RSH29	Upstream	Downstream
Scenario: Alt3	Invert: 6.51 ft	Invert: 0.50 ft
From Node: NSH29	Manning's N: 0.0120	Manning's N: 0.0120
To Node: SH_OUTFALL	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 138.40 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RSH34	Upstream	Downstream
Scenario: Alt3	Invert: 6.05 ft	Invert: 0.50 ft
From Node: NSH34	Manning's N: 0.0120	Manning's N: 0.0120
To Node: SH_OUTFALL	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 172.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: RSH35	Upstream	Downstream
Scenario: Alt3	Invert: 4.29 ft	Invert: 2.39 ft
From Node: NSH35	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH36	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 63.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: RSH36	Upstream	Downstream
Scenario: Alt3	Invert: 2.39 ft	Invert: 0.50 ft
From Node: NSH36	Manning's N: 0.0120	Manning's N: 0.0120
To Node: SH_OUTFALL	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 66.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment: Inventory		

Pipe Link: RSH42	Upstream	Downstream
Scenario: Alt3	Invert: -1.00 ft	Invert: -3.94 ft
From Node: NSH42	Manning's N: 0.0120	Manning's N: 0.0120
To Node: SH_OUTFALL	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 107.30 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: CityPlans

Pipe Link: RSH43	Upstream	Downstream
Scenario: Alt3	Invert: -0.57 ft	Invert: -1.00 ft
From Node: NSH43	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH42	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 35.20 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: CityPlans

Pipe Link: RSH44	Upstream	Downstream
Scenario: Alt3	Invert: 5.49 ft	Invert: 0.50 ft
From Node: NSH44	Manning's N: 0.0120	Manning's N: 0.0120
To Node: SH_OUTFALL	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 159.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Inventory

Pipe Link: RSH54	Upstream	Downstream
Scenario: Alt3	Invert: 12.15 ft	Invert: 11.89 ft

From Node:	NSH54	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NSH04	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	3.58 ft	Max Depth:	3.58 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	263.80 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: CityPlans					

Pipe Link: RSH57		Upstream		Downstream	
Scenario:	Alt3	Invert:	13.14 ft	Invert:	13.10 ft
From Node:	NSH57	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NSH56	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	24.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: Added per ERP 2417, Field					

Pipe Link: RSH61		Upstream		Downstream	
Scenario:	Alt3	Invert:	13.40 ft	Invert:	13.30 ft
From Node:	NSH50	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NSH61	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	8.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment: Added per ERP 31682

Pipe Link: RSH65	Upstream	Downstream
Scenario: Alt3	Invert: 20.49 ft	Invert: 19.94 ft
From Node: NSH65	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH50	Geometry: Circular	Geometry: Circular
Link Count: 4	Max Depth: 0.33 ft	Max Depth: 0.33 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 19.83 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Added per ERP 28940

Pipe Link: RSH65B	Upstream	Downstream
Scenario: Alt3	Invert: 20.49 ft	Invert: 20.41 ft
From Node: NSH65	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH50	Geometry: Circular	Geometry: Circular
Link Count: 4	Max Depth: 0.33 ft	Max Depth: 0.33 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 16.17 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment: Added per ERP 28940

Pipe Link: RSH75	Upstream	Downstream
Scenario: Alt3	Invert: 1.42 ft	Invert: -0.57 ft
From Node: NSH75	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSH43	Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	56.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment: CityPlans - Stormwater Map As-builts page 131					

Channel Link: RSR0030		Upstream		Downstream	
Scenario:	Alt3	Invert:	-1.52 ft	Invert:	-1.57 ft
From Node:	NSR0030	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR0010	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	RSR0030	Cross Section:	RSR0030
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	1200.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Channel Link: RSR0032OW		Upstream		Downstream	
Scenario:	Alt3	Invert:	4.06 ft	Invert:	4.05 ft
From Node:	NSR0032	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR0030	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	RSR0032OW	Cross Section:	RSR0032OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: RSR0034OW	Upstream	Downstream
Scenario: Alt3	Invert: 1.77 ft	Invert: 1.76 ft
From Node: NSR0034	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0030	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR0034OW	Cross Section: RSR0034OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RSR0050	Upstream	Downstream
Scenario: Alt3	Invert: -1.47 ft	Invert: -1.52 ft
From Node: NSR0050	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0030	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR0050	Cross Section: RSR0050
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 1200.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR0070	Upstream	Downstream
Scenario: Alt3	Invert: -0.86 ft	Invert: -0.97 ft
From Node: NSR0070	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSR0050	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	35.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: RSR0090		Upstream		Downstream	
Scenario:	Alt3	Invert:	-0.37 ft	Invert:	-0.86 ft
From Node:	NSR0090	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NSR0070	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	384.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: RSR0090A		Upstream		Downstream	
Scenario:	Alt3	Invert:	0.50 ft	Invert:	0.40 ft
From Node:	NBW0090	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	NBW0030	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	40.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: RSR0090OW		Upstream	Downstream
Scenario:	Alt3	Invert: 3.06 ft	Invert: 3.05 ft
From Node:	NSR0090	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0034	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RSR0090OW	Cross Section: RSR0090OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Pipe Link: RSR0100		Upstream	Downstream
Scenario:	Alt3	Invert: 1.00 ft	Invert: 0.50 ft
From Node:	NSR0100	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NSR0005	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	95.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Weir Link: RSR0100OW			
Scenario:	Alt3	Bottom Clip	
From Node:	NSR0100	Default:	0.00 ft
To Node:	NSR0005	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.60 ft	Discharge Coefficients	
Control Elevation:	5.60 ft	Weir Default:	2.400

Max Depth: 9999.00 ft
 Max Width: 10.00 ft
 Fillet: 0.00 ft

Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: RSR0102OW

Scenario: Alt3
 From Node: NSR0102
 To Node: NSR0100
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 5.50 ft
 Control Elevation: 5.50 ft
 Max Depth: 9999.00 ft
 Max Width: 20.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.400

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: RSR0102OWB

Scenario: Alt3
 From Node: NSR0102
 To Node: NSR0105
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 4.70 ft
 Control Elevation: 4.70 ft
 Max Depth: 9999.00 ft
 Max Width: 20.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.400

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Channel Link: RSR0105

Scenario: Alt3
 From Node: NSR0105
 To Node: NSR0000

Upstream

Invert: 3.40 ft

Manning's N: 0.0000

Geometry: Irregular

Downstream

Invert: -0.01 ft

Manning's N: 0.0000

Geometry: Irregular

Link Count: 1 Cross Section: LOCAL_20FT_FULL Cross Section: LOCAL_20FT_FULL
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 146.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RSR0110	Upstream	Downstream
Scenario: Alt3	Invert: -1.37 ft	Invert: -1.87 ft
From Node: NSR0110	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSR0050	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 256.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR0110OW	Upstream	Downstream
Scenario: Alt3	Invert: 3.84 ft	Invert: 3.83 ft
From Node: NSR0110	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0050	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR0110OW	Cross Section: RSR0110OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR0112	Upstream	Downstream
Scenario: Alt3	Invert: 3.06 ft	Invert: 2.97 ft
From Node: NSR0112	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0102	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 25.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RSR0112OW		
Scenario:	Alt3	Bottom Clip
From Node:	NSR0112	Default: 0.00 ft
To Node:	NSR0102	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	4.60 ft	Discharge Coefficients
Control Elevation:	4.60 ft	Weir Default: 2.600
Max Depth:	9999.00 ft	Weir Table:
Max Width:	10.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Channel Link: RSR0112OWB	Upstream	Downstream
Scenario: Alt3	Invert: 4.10 ft	Invert: 3.60 ft
From Node: NSR0112	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0105	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		

Length: 117.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RSR0115

Scenario: Alt3
 From Node: NSR0115
 To Node: NSR0102
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 40.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 1.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 1.80 ft
 Manning's N: 0.0100
 Geometry: Circular
 Max Depth: 1.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 1.60 ft
 Manning's N: 0.0100
 Geometry: Circular
 Max Depth: 1.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Bottom Clip

Top Clip

Comment:

Weir Link: RSR0115OW

Scenario: Alt3
 From Node: NSR0115
 To Node: NSR0102
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 4.75 ft
 Control Elevation: 4.75 ft
 Max Depth: 9999.00 ft
 Max Width: 25.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: RSR0120

Scenario: Alt3
 From Node: NSR0120
 To Node: NSR0112
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 4.20 ft
 Control Elevation: 4.20 ft
 Max Depth: 9999.00 ft
 Max Width: 120.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Channel Link: RSR0120OW**Upstream****Downstream**

Scenario: Alt3
 From Node: NSR0120
 To Node: NSR0115
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 170.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 4.20 ft
 Manning's N: 0.0000

Invert: 3.90 ft
 Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: LOCAL_20FT_HALF

Cross Section: LOCAL_20FT_HALF

Comment:

Pipe Link: RSR0130**Upstream****Downstream**

Scenario: Alt3
 From Node: NSR0130
 To Node: NSR0110
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 365.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.20
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00

Invert: -0.86 ft
 Manning's N: 0.0120

Invert: -1.37 ft
 Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 2.00 ft

Max Depth: 2.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Bend Location: 0.00 dec
Energy Switch: Energy

Op Table:
Ref Node:
Manning's N: 0.0000

Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RSR0130OW

Upstream

Downstream

Scenario: Alt3
From Node: NSR0130
To Node: NSR0110
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 362.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 4.70 ft
Manning's N: 0.0000

Invert: 4.00 ft
Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: LOCAL_20FT_FULL

Cross Section: LOCAL_20FT_FULL

Comment:

Pipe Link: RSR0135

Upstream

Downstream

Scenario: Alt3
From Node: NSR0135
To Node: NSR0130
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 130.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 0.50 ft
Manning's N: 0.0130

Invert: 0.24 ft
Manning's N: 0.0130

Geometry: Circular

Geometry: Circular

Max Depth: 1.50 ft

Max Depth: 1.50 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: RSR0135OW

Upstream

Downstream

Scenario: Alt3
From Node: NSR0135

Invert: 5.00 ft
Manning's N: 0.0000

Invert: 4.60 ft
Manning's N: 0.0000

To Node:	NSR0130	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_25FT_HALF	Cross Section: LOCAL_25FT_HALF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	316.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Channel Link: RSR0135OWA	Upstream	Downstream
Scenario: Alt3	Invert: 5.50 ft	Invert: 4.20 ft
From Node: NSR0135	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0100	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction:	Both	
Damping:	0.0000 ft	
Length:	323.00 ft	
Contraction Coef:	0.00	
Expansion Coef:	0.00	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	
Comment:		

Weir Link: RSR0135OWB	Bottom Clip
Scenario: Alt3	Default: 0.00 ft
From Node: NSR0135	Op Table:
To Node: NSR0115	Ref Node:
Link Count: 1	Top Clip
Flow Direction: Both	Default: 0.00 ft
Damping: 0.0000 ft	Op Table:
Weir Type: Broad Crested Vertical	Ref Node:
Geometry Type: Rectangular	Discharge Coefficients
Invert: 5.60 ft	Weir Default: 2.600
Control Elevation: 5.60 ft	Weir Table:
Max Depth: 9999.00 ft	Orifice Default: 0.600
Max Width: 25.00 ft	Orifice Table:
Fillet: 0.00 ft	

Comment:

Channel Link: RSR0140OWA		Upstream	Downstream
Scenario:	Alt3	Invert: 5.20 ft	Invert: 4.70 ft
From Node:	NSR0140	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0135	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_25FT_HALF	Cross Section: LOCAL_25FT_HALF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	298.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: RSR0140OWB		Upstream	Downstream
Scenario:	Alt3	Invert: 5.20 ft	Invert: 4.20 ft
From Node:	NSR0140	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0120	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	214.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RSR0150		Upstream	Downstream
Scenario:	Alt3	Invert: -3.11 ft	Invert: -3.77 ft
From Node:	NSR0150	Manning's N: 0.0260	Manning's N: 0.0260
To Node:	NSR0050	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction:	Both	Max Width: 10.00 ft	Max Width: 10.00 ft

Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	150.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: RSR0150A	Upstream	Downstream
Scenario: Alt3	Invert: -3.20 ft	Invert: -3.80 ft
From Node: NSR0150	Manning's N: 0.0260	Manning's N: 0.0260
To Node: NSR0050	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 10.00 ft	Max Width: 10.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 150.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Weir Link: RSR0160OW		
Scenario:	Alt3	Bottom Clip
From Node:	NSR0160	Default: 0.00 ft
To Node:	NSR0140	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	5.40 ft	Discharge Coefficients
Control Elevation:	5.40 ft	Weir Default: 2.600
Max Depth:	9999.00 ft	Weir Table:
Max Width:	164.00 ft	Orifice Default: 0.600

Fillet: 0.00 ft

Orifice Table:

Comment:

Channel Link: RSR0160OWB

Upstream

Downstream

Scenario:	Alt3	Invert:	5.20 ft	Invert:	4.70 ft
From Node:	NSR0160	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR0165	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	LOCAL_25FT_HALF	Cross Section:	LOCAL_25FT_HALF
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	304.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: RSR0160OWC

Upstream

Downstream

Scenario:	Alt3	Invert:	5.00 ft	Invert:	4.10 ft
From Node:	NSR0550	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR0160	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	LOCAL_20FT_HALF	Cross Section:	LOCAL_20FT_HALF
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	660.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Weir Link: RSR0160OWD

Scenario:	Alt3
From Node:	NSR0160
To Node:	NSR0140

Bottom Clip	
Default:	0.00 ft
Op Table:	

Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 5.60 ft
 Control Elevation: 5.60 ft
 Max Depth: 9999.00 ft
 Max Width: 300.00 ft
 Fillet: 0.00 ft

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: RSR0165

Upstream

Downstream

Scenario: Alt3
 From Node: NSR0165
 To Node: NSR0170
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 380.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 0.75 ft

Invert: -0.01 ft

Manning's N: 0.0130

Manning's N: 0.0130

Geometry: Circular

Geometry: Circular

Max Depth: 1.25 ft

Max Depth: 1.25 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Weir Link: RSR0165OW

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Channel Link: RSR0165OWB		Upstream	Downstream
Scenario:	Alt3	Invert: 5.00 ft	Invert: 4.10 ft
From Node:	NSR0165	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0170	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_25FT_HALF	Cross Section: LOCAL_25FT_HALF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	504.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Weir Link: RSR0165OWC		Bottom Clip
Scenario:	Alt3	Default: 0.00 ft
From Node:	NSR0165	Op Table:
To Node:	NSR0135	Ref Node:
Link Count:	1	Top Clip
Flow Direction:	Both	Default: 0.00 ft
Damping:	0.0000 ft	Op Table:
Weir Type:	Broad Crested Vertical	Ref Node:
Geometry Type:	Rectangular	Discharge Coefficients
Invert:	5.60 ft	Weir Default: 2.600
Control Elevation:	5.60 ft	Weir Table:
Max Depth:	9999.00 ft	Orifice Default: 0.600
Max Width:	200.00 ft	Orifice Table:
Fillet:	0.00 ft	

Comment:

Pipe Link: RSR0170		Upstream	Downstream
Scenario:	Alt3	Invert: -1.87 ft	Invert: -1.97 ft
From Node:	NSR0170	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NSR0150	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	38.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft

Bend Location: 0.00 dec
Energy Switch: Energy

Op Table:
Ref Node:
Manning's N: 0.0000

Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Weir Link: RSR0170OWA

Scenario: Alt3
From Node: NSR0170
To Node: NSR0130
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.10 ft
Control Elevation: 5.10 ft
Max Depth: 9999.00 ft
Max Width: 200.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: RSR0170OWB

Scenario: Alt3
From Node: NSR0170
To Node: NSR0130
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.20 ft
Control Elevation: 5.20 ft
Max Depth: 9999.00 ft
Max Width: 125.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: RSR0170OWC

Scenario: Alt3
From Node: NSR0170
To Node: NSR0050
Link Count: 1

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 5.00 ft
 Control Elevation: 5.00 ft
 Max Depth: 9999.00 ft
 Max Width: 150.00 ft
 Fillet: 0.00 ft

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.600
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: RSR0170OWD

Scenario: Alt3
 From Node: NSR0170
 To Node: NSR0050
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 5.30 ft
 Control Elevation: 5.30 ft
 Max Depth: 9999.00 ft
 Max Width: 100.00 ft
 Fillet: 0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.600
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: RSR0180

Scenario: Alt3
 From Node: NSR0180
 To Node: NBW1090
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 30.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 1.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream	Downstream
Invert: 0.50 ft	Invert: -0.70 ft
Manning's N: 0.0130	Manning's N: 0.0130
Geometry: Circular	Geometry: Circular
Max Depth: 1.50 ft	Max Depth: 1.50 ft
Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RSR0180OW

Scenario: Alt3
From Node: NSR0180
To Node: NBW1090
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 4.60 ft
Control Elevation: 4.60 ft
Max Depth: 9999.00 ft
Max Width: 20.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR0180OWA

Scenario: Alt3
From Node: NSR0180
To Node: NBW0050
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.10 ft
Control Elevation: 5.10 ft
Max Depth: 9999.00 ft
Max Width: 300.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR0180OWC

Scenario: Alt3
From Node: NSR0180
To Node: NBW0050
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.50 ft
Control Elevation: 5.50 ft
Max Depth: 9999.00 ft
Max Width: 300.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600

Fillet: 0.00 ft

Orifice Table:

Comment:

Weir Link: RSR0180OWD

Scenario: Alt3
 From Node: NSR0180
 To Node: NSR0160
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 5.40 ft
 Control Elevation: 5.40 ft
 Max Depth: 9999.00 ft
 Max Width: 36.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: RSR0190

Upstream

Downstream

Scenario: Alt3
 From Node: NSR0190
 To Node: NSR0150
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 42.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: -1.32 ft

Manning's N: 0.0160

Geometry: Horizontal Ellipse

Max Depth: 2.00 ft

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Invert: -1.48 ft

Manning's N: 0.0160

Geometry: Horizontal Ellipse

Max Depth: 2.00 ft

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Comment:

Channel Link: RSR0190OW

Upstream

Downstream

Scenario: Alt3
 From Node: NSR0190
 To Node: NSR0890
 Link Count: 1

Invert: 3.98 ft

Manning's N: 0.0000

Geometry: Irregular

Cross Section: RSR0190OW

Invert: 3.97 ft

Manning's N: 0.0000

Geometry: Irregular

Cross Section: RSR0190OW

Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RSR0210

Scenario: Alt3
 From Node: NSR0210
 To Node: NSR0190
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 50.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: -1.03 ft
 Manning's N: 0.0120
 Geometry: Horizontal Ellipse
 Max Depth: 2.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: -1.32 ft
 Manning's N: 0.0120
 Geometry: Horizontal Ellipse
 Max Depth: 2.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Bottom Clip

Top Clip

Comment:

Pipe Link: RSR0230

Scenario: Alt3
 From Node: NSR0230
 To Node: NSR0210
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 118.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.20
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: -0.58 ft
 Manning's N: 0.0120
 Geometry: Horizontal Ellipse
 Max Depth: 2.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: -1.03 ft
 Manning's N: 0.0120
 Geometry: Horizontal Ellipse
 Max Depth: 2.00 ft
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Bottom Clip

Top Clip

Comment:

Channel Link: RSR0230OW		Upstream	Downstream
Scenario:	Alt3	Invert: 3.46 ft	Invert: 3.45 ft
From Node:	NSR0230	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0210	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RSR0230OW	Cross Section: RSR0230OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: RSR0250		Upstream	Downstream
Scenario:	Alt3	Invert: -2.40 ft	Invert: -3.20 ft
From Node:	NSR0250	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0150	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RSR0250	Cross Section: RSR0250
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	600.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: RSR0270OW		Upstream	Downstream
Scenario:	Alt3	Invert: 2.80 ft	Invert: 2.79 ft
From Node:	NSR0270	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0250	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RSR0270OW	Cross Section: RSR0270OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: RSR0280OW	Upstream	Downstream
Scenario: Alt3	Invert: 5.50 ft	Invert: 3.90 ft
From Node: NSR0280	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0550	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_HALF	Cross Section: LOCAL_20FT_HALF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 266.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RSR0280OWA	Upstream	Downstream
Scenario: Alt3	Invert: 6.30 ft	Invert: 4.50 ft
From Node: NSR0280	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0590	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 417.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Weir Link: RSR0280OWB
Scenario: Alt3
Bottom Clip

From Node: NSR0280
To Node: NSR0560
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 6.50 ft
Control Elevation: 6.50 ft
Max Depth: 9999.00 ft
Max Width: 25.00 ft
Fillet: 0.00 ft

Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR0280OWC

Scenario: Alt3
From Node: NSR0280
To Node: NSR0540
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.70 ft
Control Elevation: 5.70 ft
Max Depth: 9999.00 ft
Max Width: 180.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR0280OWD

Scenario: Alt3
From Node: NSR0280
To Node: NSR0540
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 6.00 ft
Control Elevation: 6.00 ft
Max Depth: 9999.00 ft
Max Width: 270.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Channel Link: RSR0281OWA	Upstream	Downstream
Scenario: Alt3	Invert: 6.00 ft	Invert: 5.50 ft
From Node: NSR0281	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0280	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_HALF	Cross Section: LOCAL_20FT_HALF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 385.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR0290	Upstream	Downstream
Scenario: Alt3	Invert: 0.13 ft	Invert: -1.32 ft
From Node: NSR0290	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSR0490	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 670.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR0290OW	Upstream	Downstream
Scenario: Alt3	Invert: 6.23 ft	Invert: 6.22 ft
From Node: NSR0290	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0950	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR0290OW	Cross Section: RSR0290OW
Flow Direction: Both		

Damping: 0.0000 ft
Length: 33.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: RSR0290OWB**Upstream****Downstream**

Scenario: Alt3
From Node: NSR0290
To Node: NSR0490
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 645.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 6.70 ft
Manning's N: 0.0000

Invert: 3.50 ft
Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: LOCAL_20FT_HALF

Cross Section: LOCAL_20FT_HALF

Comment:

Pipe Link: RSR0310**Upstream****Downstream**

Scenario: Alt3
From Node: NSR0310
To Node: NSR0290
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 650.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 2.97 ft
Manning's N: 0.0130

Invert: 0.63 ft
Manning's N: 0.0130

Geometry: Circular

Geometry: Circular

Max Depth: 3.00 ft

Max Depth: 3.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RSR0310OW		
	Upstream	Downstream
Scenario: Alt3	Invert: 9.00 ft	Invert: 6.60 ft
From Node: NSR0310	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0290	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 458.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RSR0310OWB		
	Upstream	Downstream
Scenario: Alt3	Invert: 10.00 ft	Invert: 9.40 ft
From Node: NSR0950	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0310	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 666.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR0330		
	Upstream	Downstream
Scenario: Alt3	Invert: 4.52 ft	Invert: 3.98 ft
From Node: NSR0330	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0310	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 32.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RSR0350	Upstream	Downstream
Scenario: Alt3	Invert: 5.23 ft	Invert: 4.52 ft
From Node: NSR0350	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0330	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 17.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RSR0370	Bottom Clip
Scenario: Alt3	Default: 0.00 ft
From Node: NSR0370	Op Table:
To Node: NSR0350	Ref Node:
Link Count: 1	Top Clip
Flow Direction: Both	Default: 0.00 ft
Damping: 0.0000 ft	Op Table:
Weir Type: Sharp Crested Vertical	Ref Node:
Geometry Type: Rectangular	Discharge Coefficients
Invert: 9.83 ft	Weir Default: 3.200
Control Elevation: 9.83 ft	Weir Table:
Max Depth: 833.25 ft	Orifice Default: 0.600
Max Width: 14.00 ft	Orifice Table:
Fillet: 0.00 ft	

Comment:

Weir Link: RSR0370A	Bottom Clip
Scenario: Alt3	Default: 0.00 ft
From Node: NSR0370	

To Node: NSR0350
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 9.45 ft
 Control Elevation: 9.45 ft
 Max Depth: 0.38 ft
 Max Width: 0.25 ft
 Fillet: 0.00 ft

Op Table:
 Ref Node:
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RSR0390

Scenario: Alt3
 From Node: NSR0390
 To Node: NSR0310
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 664.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 5.48 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 2.50 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 3.47 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 2.50 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: RSR0390OW

Scenario: Alt3
 From Node: NSR0390
 To Node: NSR0790
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 628.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec

Upstream

Invert: 12.10 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: LOCAL_20FT_FULL

Downstream

Invert: 10.00 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: LOCAL_20FT_FULL

Energy Switch: Energy

Comment:

Channel Link: RSR0390OWA		Upstream	Downstream
Scenario:	Alt3	Invert: 12.00 ft	Invert: 8.80 ft
From Node:	NSR0390	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0310	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	606.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Channel Link: RSR0390OWB		Upstream	Downstream
Scenario:	Alt3	Invert: 12.60 ft	Invert: 6.00 ft
From Node:	NSR0390	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0281	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_20FT_HALF	Cross Section: LOCAL_20FT_HALF
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	620.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RSR0410		Upstream	Downstream
Scenario:	Alt3	Invert: 7.06 ft	Invert: 6.72 ft
From Node:	NSR0410	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NSR0390	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.25 ft	Max Depth: 1.25 ft

Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	60.00 ft	Op Table:	
FHWA Code:	0	Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000

Comment:

Weir Link: RSR0430

Scenario:	Alt3	Bottom Clip	
From Node:	NSR0430	Default:	0.00 ft
To Node:	NSR0410	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	11.83 ft	Discharge Coefficients	
Control Elevation:	11.83 ft	Weir Default:	3.200
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	15.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Weir Link: RSR0430A

Scenario:	Alt3	Bottom Clip	
From Node:	NSR0430	Default:	0.00 ft
To Node:	NSR0410	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	11.53 ft	Discharge Coefficients	
Control Elevation:	11.53 ft	Weir Default:	3.200
Max Depth:	0.25 ft	Weir Table:	
Max Width:	0.25 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Weir Link: RSR0430OWD

Scenario: Alt3
 From Node: NSR0430
 To Node: NSR0370
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 13.14 ft
 Control Elevation: 13.14 ft
 Max Depth: 9999.00 ft
 Max Width: 20.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.400
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RSR0450

Scenario: Alt3
 From Node: NSR0450
 To Node: NSR0390
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 632.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 8.24 ft
 Manning's N: 0.0130

Geometry: Circular

Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 5.55 ft
 Manning's N: 0.0130

Geometry: Circular

Max Depth: 2.50 ft

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: RSR0450OW

Scenario: Alt3
 From Node: NSR0450
 To Node: NSR0390
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 628.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00

Upstream

Invert: 13.80 ft
 Manning's N: 0.0000

Geometry: Irregular

Cross Section: LOCAL_20FT_FULL

Downstream

Invert: 11.60 ft
 Manning's N: 0.0000

Geometry: Irregular

Cross Section: LOCAL_20FT_FULL

Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RSR0470	Upstream	Downstream
Scenario: Alt3	Invert: 7.83 ft	Invert: 8.24 ft
From Node: NSR0470	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0450	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 40.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RSR0470OWA			
Scenario:	Alt3	Bottom Clip	
From Node:	NSR0470	Default:	0.00 ft
To Node:	NSR0390	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	14.30 ft	Discharge Coefficients	
Control Elevation:	14.30 ft	Weir Default:	2.600
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	68.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Pipe Link: RSR0490	Upstream	Downstream
Scenario: Alt3	Invert: -1.33 ft	Invert: -2.40 ft
From Node: NSR0490	Manning's N: 0.0200	Manning's N: 0.0200
To Node: NSR0890	Geometry: Rectangular	Geometry: Rectangular

Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Max Width:	6.00 ft	Max Width:	6.00 ft
Damping:	0.0000	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	200.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RSR0490OW		Upstream	Downstream
Scenario:	Alt3	Invert:	3.82 ft
From Node:	NSR0490	Manning's N:	0.0000
To Node:	NSR0270	Geometry:	Irregular
Link Count:	1	Cross Section:	RSR0490OW
Flow Direction:	Both		
Damping:	0.0000		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RSR0510		Upstream	Downstream
Scenario:	Alt3	Invert:	-1.45 ft
From Node:	NSR0510	Manning's N:	0.0150
To Node:	NSR0490	Geometry:	Rectangular
Link Count:	1	Max Depth:	3.50 ft
Flow Direction:	Both	Max Width:	6.00 ft
Damping:	0.0000	Fillet:	0.00 ft
Length:	339.00 ft	Bottom Clip	
FHWA Code:	0	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:	
Exit Loss Coef:	0.00	Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip	

Energy Switch: Energy

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Weir Link: RSR0510OWB

Scenario: Alt3
From Node: NSR0510
To Node: NSR0490
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 4.20 ft
Control Elevation: 4.20 ft
Max Depth: 9999.00 ft
Max Width: 20.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: RSR0530

Upstream

Downstream

Scenario: Alt3
From Node: NSR0530
To Node: NSR0510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 47.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: -0.27 ft
Manning's N: 0.0130
Geometry: Circular
Max Depth: 2.00 ft
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Invert: -0.37 ft
Manning's N: 0.0130
Geometry: Circular
Max Depth: 2.00 ft
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000
Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Weir Link: RSR0530OW

Scenario: Alt3
From Node: NSR0530

Bottom Clip

Default: 0.00 ft

To Node: NSR0510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.10 ft
Control Elevation: 5.10 ft
Max Depth: 9999.00 ft
Max Width: 20.00 ft
Fillet: 0.00 ft

Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR0530WB

Scenario: Alt3
From Node: NSR0530
To Node: NSR0165
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.30 ft
Control Elevation: 5.30 ft
Max Depth: 9999.00 ft
Max Width: 20.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR0530OWC

Scenario: Alt3
From Node: NSR0530
To Node: NSR0170
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.20 ft
Control Elevation: 5.20 ft
Max Depth: 9999.00 ft
Max Width: 30.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: RSR0540		Upstream	Downstream
Scenario:	Alt3	Invert: -1.38 ft	Invert: -1.45 ft
From Node:	NSR0540	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NSR0510	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping:	0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	230.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.50	Op Table:	Op Table:
Exit Loss Coef:	0.50	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip	
Energy Switch:	Energy	Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RSR0540OW			
Scenario:	Alt3	Bottom Clip	
From Node:	NSR0540	Default:	0.00 ft
To Node:	NSR0510	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.50 ft	Discharge Coefficients	
Control Elevation:	4.50 ft	Weir Default:	2.400
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	15.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Weir Link: RSR0540OWA			
Scenario:	Alt3	Bottom Clip	
From Node:	NSR0540	Default:	0.00 ft
To Node:	NSR0165	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.00 ft	Discharge Coefficients	

Control Elevation: 5.00 ft
Max Depth: 9999.00 ft
Max Width: 20.00 ft
Fillet: 0.00 ft

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR0540OWB

Scenario: Alt3
From Node: NSR0540
To Node: NSR0530
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.40 ft
Control Elevation: 5.40 ft
Max Depth: 9999.00 ft
Max Width: 60.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR0540OWC

Scenario: Alt3
From Node: NSR0540
To Node: NSR0530
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.20 ft
Control Elevation: 5.20 ft
Max Depth: 9999.00 ft
Max Width: 40.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR0540OWD

Scenario: Alt3
From Node: NSR0540

Bottom Clip
Default: 0.00 ft

To Node: NSR0165
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.90 ft
Control Elevation: 5.90 ft
Max Depth: 9999.00 ft
Max Width: 70.00 ft
Fillet: 0.00 ft

Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: RSR0550

Scenario: Alt3
From Node: NSR0550
To Node: NSR0540
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 60.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream	Downstream
Invert: -1.29 ft	Invert: -1.38 ft
Manning's N: 0.0130	Manning's N: 0.0130
Geometry: Rectangular	Geometry: Rectangular
Max Depth: 3.50 ft	Max Depth: 3.50 ft
Max Width: 6.00 ft	Max Width: 6.00 ft
Fillet: 0.00 ft	Fillet: 0.00 ft
Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RSR0550OW

Scenario: Alt3
From Node: NSR0550
To Node: NSR0540
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 4.20 ft
Control Elevation: 4.20 ft
Max Depth: 9999.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:

Max Width: 70.00 ft
Fillet: 0.00 ft

Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR0550OWB

Scenario: Alt3
From Node: NSR0550
To Node: NSR0165
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.20 ft
Control Elevation: 5.20 ft
Max Depth: 9999.00 ft
Max Width: 115.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: RSR0560

Upstream

Downstream

Scenario: Alt3
From Node: NSR0560
To Node: NSR0550
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 150.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: -1.06 ft
Manning's N: 0.0130

Invert: -1.29 ft
Manning's N: 0.0130

Geometry: Rectangular

Geometry: Rectangular

Max Depth: 3.50 ft
Max Width: 6.00 ft
Fillet: 0.00 ft

Max Depth: 3.50 ft
Max Width: 6.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Weir Link: RSR0560OW

Scenario: Alt3

Bottom Clip

From Node: NSR0560
To Node: NSR0550
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 4.20 ft
Control Elevation: 4.20 ft
Max Depth: 9999.00 ft
Max Width: 65.00 ft
Fillet: 0.00 ft

Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR0560OWB

Scenario: Alt3
From Node: NSR0560
To Node: NSR0550
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 4.50 ft
Control Elevation: 4.50 ft
Max Depth: 9999.00 ft
Max Width: 70.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR0560OWC

Scenario: Alt3
From Node: NSR0560
To Node: NSR0160
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.80 ft
Control Elevation: 5.80 ft
Max Depth: 9999.00 ft
Max Width: 75.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: RSR0570	Upstream	Downstream
Scenario: Alt3	Invert: -0.80 ft	Invert: -1.06 ft
From Node: NSR0570	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0560	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 480.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.50	Op Table:	Op Table:
Exit Loss Coef: 0.50	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR0570OW	Upstream	Downstream
Scenario: Alt3	Invert: 5.00 ft	Invert: 3.90 ft
From Node: NSR0570	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0560	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CURB_20FT_FULL	Cross Section: CURB_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 328.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RSR0570OWA	Upstream	Downstream
Scenario: Alt3	Invert: 5.40 ft	Invert: 4.90 ft
From Node: NSR0570	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0180	Geometry: Irregular	Geometry: Irregular

Link Count: 1 Cross Section: LOCAL_20FT_FULL Cross Section: LOCAL_20FT_FULL
Flow Direction: Both
Damping: 0.0000 ft
Length: 131.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Weir Link: RSR0570OWB

Scenario:	Alt3	Bottom Clip
From Node:	NSR0180	Default: 0.00 ft
To Node:	NBW0050	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	5.30 ft	Discharge Coefficients
Control Elevation:	5.30 ft	Weir Default: 2.600
Max Depth:	9999.00 ft	Weir Table:
Max Width:	300.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Channel Link: RSR0570OWC

	Upstream	Downstream
Scenario:	Alt3	Invert: 5.50 ft
From Node:	NSR0570	Manning's N: 0.0000
To Node:	NSR0610	Manning's N: 0.0000
Link Count:	1	Geometry: Irregular
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Cross Section: CURB_25FT_FULL
Length:	562.00 ft	Cross Section: CURB_25FT_FULL
Contraction Coef:	0.00	
Expansion Coef:	0.00	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	

Comment:

Pipe Link: RSR0580		Upstream	Downstream
Scenario:	Alt3	Invert: 0.86 ft	Invert: 0.28 ft
From Node:	NSR0580	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NSR0650	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	290.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Weir Link: RSR0580OW		
Scenario:	Alt3	Bottom Clip
From Node:	NSR0580	Default: 0.00 ft
To Node:	NSR0650	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	7.40 ft	Discharge Coefficients
Control Elevation:	7.40 ft	Weir Default: 2.600
Max Depth:	9999.00 ft	Weir Table:
Max Width:	10.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:
Comment:		

Channel Link: RSR0580QWB		Upstream	Downstream
Scenario:	Alt3	Invert: 5.80 ft	Invert: 4.70 ft
From Node:	NSR0580	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NBW1190	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	220.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		

Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Weir Link: RSR0580OWC

Scenario:	Alt3	Bottom Clip
From Node:	NSR0580	Default: 0.00 ft
To Node:	NSR0610	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	7.70 ft	Discharge Coefficients
Control Elevation:	7.70 ft	Weir Default: 2.400
Max Depth:	9999.00 ft	Weir Table:
Max Width:	50.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Pipe Link: RSR0590

	Upstream	Downstream
Scenario:	Alt3	Invert: -0.80 ft
From Node:	NSR0590	Manning's N: 0.0130
To Node:	NSR0570	Geometry: Rectangular
Link Count:	1	Max Depth: 3.50 ft
Flow Direction:	Both	Max Width: 6.00 ft
Damping:	0.0000 ft	Fillet: 0.00 ft
Length:	631.00 ft	Bottom Clip
FHWA Code:	0	Default: 0.00 ft
Entr Loss Coef:	0.50	Op Table:
Exit Loss Coef:	0.50	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip
Energy Switch:	Energy	Default: 0.00 ft
		Op Table:
		Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RSR0590AOW

Scenario:	Alt3	Bottom Clip

From Node: NSR0590
 To Node: NSR0570
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 7.00 ft
 Control Elevation: 7.00 ft
 Max Depth: 9999.00 ft
 Max Width: 20.00 ft
 Fillet: 0.00 ft

Default: 0.00 ft
 Op Table:
 Ref Node:
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.400
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: RSR0590WB

Scenario: Alt3
 From Node: NSR0590
 To Node: NSR0560
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 6.80 ft
 Control Elevation: 6.80 ft
 Max Depth: 9999.00 ft
 Max Width: 20.00 ft
 Fillet: 0.00 ft

Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.400
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RSR0610

Scenario: Alt3
 From Node: NSR0610
 To Node: NSR0590
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 153.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream	Downstream
Invert: -0.40 ft	Invert: -0.70 ft
Manning's N: 0.0130	Manning's N: 0.0130
Geometry: Circular	Geometry: Circular
Max Depth: 2.50 ft	Max Depth: 2.50 ft
Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Weir Link: RSR0610OW

Scenario: Alt3
 From Node: NSR0610
 To Node: NSR0590
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 6.70 ft
 Control Elevation: 6.70 ft
 Max Depth: 9999.00 ft
 Max Width: 10.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.400
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: RSR0610OWB

Scenario: Alt3
 From Node: NSR0610
 To Node: NSR0730
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 6.00 ft
 Control Elevation: 6.00 ft
 Max Depth: 9999.00 ft
 Max Width: 60.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.400
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RSR0630

Scenario: Alt3
 From Node: NSR0630
 To Node: NSR0610
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft

Upstream

Invert: -0.29 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 2.50 ft

Downstream

Invert: -0.40 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft Default: 0.00 ft

Length:	52.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: RSR0650	Upstream	Downstream
Scenario: Alt3	Invert: 0.28 ft	Invert: -0.29 ft
From Node: NSR0650	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0630	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 286.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RSR0650OW	Upstream	Downstream
Scenario: Alt3	Invert: 5.80 ft	Invert: 5.50 ft
From Node: NSR0650	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0610	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 183.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Weir Link: RSR0650OWA

Scenario: Alt3
 From Node: NSR0650
 To Node: NBW1190
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 6.00 ft
 Control Elevation: 6.00 ft
 Max Depth: 9999.00 ft
 Max Width: 40.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: RSR0650OWB

Scenario: Alt3
 From Node: NSR0650
 To Node: NSR0660
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 6.30 ft
 Control Elevation: 6.30 ft
 Max Depth: 9999.00 ft
 Max Width: 40.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RSR0660

Scenario: Alt3
 From Node: NSR0660
 To Node: NBW1169
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 150.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 1.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec

Upstream

Invert: 1.10 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 1.25 ft

Downstream

Invert: 0.00 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 1.25 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:

Default: 0.00 ft
 Op Table:

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: RSR0660OWA

Upstream

Downstream

Scenario: Alt3

Invert: 5.70 ft

Invert: 4.70 ft

From Node: NSR0660

Manning's N: 0.0000

Manning's N: 0.0000

To Node: NBW1190

Geometry: Irregular

Geometry: Irregular

Link Count: 1

Cross Section: CURB_25FT_FULL

Cross Section: CURB_25FT_FULL

Flow Direction: Both

Damping: 0.0000 ft

Length: 268.00 ft

Contraction Coef: 0.00

Expansion Coef: 0.00

Entr Loss Coef: 0.00

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Weir Link: RSR0660OWB

Scenario: Alt3

Bottom Clip

From Node: NSR0660

Default: 0.00 ft

To Node: NBW1169

Op Table:

Link Count: 1

Ref Node:

Flow Direction: Both

Top Clip

Damping: 0.0000 ft

Default: 0.00 ft

Weir Type: Broad Crested Vertical

Op Table:

Geometry Type: Rectangular

Ref Node:

Invert: 6.50 ft

Discharge Coefficients

Control Elevation: 6.50 ft

Weir Default: 2.400

Max Depth: 9999.00 ft

Weir Table:

Max Width: 10.00 ft

Orifice Default: 0.600

Fillet: 0.00 ft

Orifice Table:

Comment:

Weir Link: RSR0660OWC

Scenario: Alt3

Bottom Clip

From Node: NSR0660

Default: 0.00 ft

To Node: NSR0680

Op Table:

Link Count: 1

Ref Node:

Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 6.00 ft
 Control Elevation: 6.00 ft
 Max Depth: 9999.00 ft
 Max Width: 80.00 ft
 Fillet: 0.00 ft

Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RSR0670

Scenario: Alt3
 From Node: NSR0670
 To Node: NSR0650
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 34.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 0.35 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 2.00 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 0.28 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 2.00 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: RSR0680

Scenario: Alt3
 From Node: NSR0680
 To Node: NSR0710
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 500.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 1.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 1.72 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 1.50 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 0.72 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 1.50 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: RSR0680OWA		
	Upstream	Downstream
Scenario: Alt3	Invert: 6.10 ft	Invert: 4.20 ft
From Node: NSR0680	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0570	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CURB_20FT_FULL	Cross Section: CURB_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 575.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Weir Link: RSR0680OWB		
Scenario: Alt3	Bottom Clip	
From Node: NSR0680	Default: 0.00 ft	
To Node: NSR0650	Op Table:	
Link Count: 1	Ref Node:	
Flow Direction: Both	Top Clip	
Damping: 0.0000 ft	Default: 0.00 ft	
Weir Type: Broad Crested Vertical	Op Table:	
Geometry Type: Rectangular	Ref Node:	
Invert: 6.50 ft	Discharge Coefficients	
Control Elevation: 6.50 ft	Weir Default: 2.400	
Max Depth: 9999.00 ft	Weir Table:	
Max Width: 60.00 ft	Orifice Default: 0.600	
Fillet: 0.00 ft	Orifice Table:	

Comment:

Pipe Link: RSR0690		
	Upstream	Downstream
Scenario: Alt3	Invert: 0.50 ft	Invert: 0.35 ft
From Node: NSR0690	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0670	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	
Length: 75.00 ft	Op Table:	
FHWA Code: 0	Ref Node:	
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft

Bend Location: 0.00 dec
Energy Switch: Energy

Op Table:
Ref Node:
Manning's N: 0.0000

Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: RSR0710

Scenario: Alt3
From Node: NSR0710
To Node: NSR0690
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 112.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 0.72 ft
Manning's N: 0.0130

Geometry: Circular

Max Depth: 2.00 ft

Downstream

Invert: 0.50 ft
Manning's N: 0.0130

Geometry: Circular

Max Depth: 2.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: RSR0730

Scenario: Alt3
From Node: NSR0730
To Node: NSR0590
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 361.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: -0.57 ft
Manning's N: 0.0130

Geometry: Rectangular

Max Depth: 3.50 ft

Max Width: 6.00 ft

Fillet: 0.00 ft

Downstream

Invert: -0.70 ft
Manning's N: 0.0130

Geometry: Rectangular

Max Depth: 3.50 ft

Max Width: 6.00 ft

Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Weir Link: RSR0730OW

Scenario: Alt3
From Node: NSR0730
To Node: NSR0590
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 5.80 ft
Control Elevation: 5.80 ft
Max Depth: 9999.00 ft
Max Width: 25.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.400

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: RSR0730OWA

Scenario: Alt3
From Node: NSR0730
To Node: NSR0281
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 6.50 ft
Control Elevation: 6.50 ft
Max Depth: 9999.00 ft
Max Width: 30.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.400

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: RSR0730OWB

Scenario: Alt3
From Node: NSR0730
To Node: NSR0590
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 6.00 ft
Control Elevation: 6.00 ft
Max Depth: 9999.00 ft
Max Width: 40.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.400

Weir Table:

Orifice Default: 0.600

Fillet: 0.00 ft

Orifice Table:

Comment:

Pipe Link: RSR0770

Upstream

Downstream

Scenario: Alt3
From Node: NSR0770
To Node: NSR0730
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 305.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 1.26 ft
Manning's N: 0.0130
Geometry: Rectangular
Max Depth: 3.50 ft
Max Width: 6.00 ft
Fillet: 0.00 ft

Invert: -0.57 ft
Manning's N: 0.0130
Geometry: Rectangular
Max Depth: 3.50 ft
Max Width: 6.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Weir Link: RSR0770OW

Scenario: Alt3
From Node: NSR0770
To Node: NSR0730
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 7.50 ft
Control Elevation: 7.50 ft
Max Depth: 9999.00 ft
Max Width: 150.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR0770OWB

Scenario: Alt3
From Node: NSR0770

Bottom Clip

Default: 0.00 ft

To Node: NSR0610
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 7.20 ft
 Control Elevation: 7.20 ft
 Max Depth: 9999.00 ft
 Max Width: 20.00 ft
 Fillet: 0.00 ft

Op Table:
 Ref Node:
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.400
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RSR0780A

Scenario: Alt3
 From Node: NSR0780
 To Node: NSR0770
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 190.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 1.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 2.65 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 1.25 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 2.50 ft
 Manning's N: 0.0130
 Geometry: Circular
 Max Depth: 1.25 ft
 Bottom Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000
 Top Clip
 Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: RSR0780OW

Scenario: Alt3
 From Node: NSR0780
 To Node: NSR0610
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 698.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec

Upstream

Invert: 6.40 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: CURB_25FT_HALF

Downstream

Invert: 5.40 ft
 Manning's N: 0.0000
 Geometry: Irregular
 Cross Section: CURB_25FT_HALF

Energy Switch: Energy

Comment:

Weir Link: RSR0780OWA

Scenario: Alt3
 From Node: NSR0780
 To Node: NSR0770
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 8.30 ft
 Control Elevation: 8.30 ft
 Max Depth: 9999.00 ft
 Max Width: 10.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.400
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RSR0790

Scenario: Alt3
 From Node: NSR0790
 To Node: NSR0770
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 400.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 5.01 ft
 Manning's N: 0.0130

Geometry: Rectangular

Max Depth: 3.50 ft
 Max Width: 4.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Downstream

Invert: 1.26 ft
 Manning's N: 0.0130

Geometry: Rectangular

Max Depth: 3.50 ft
 Max Width: 4.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: RSR0790OW

Scenario: Alt3
 From Node: NSR0790
 To Node: NSR0770

Upstream

Invert: 10.40 ft
 Manning's N: 0.0000

Geometry: Irregular

Downstream

Invert: 6.40 ft
 Manning's N: 0.0000

Geometry: Irregular

Link Count:	1	Cross Section:	LOCAL_20FT_FULL	Cross Section:	LOCAL_20FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	322.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: RSR0790WB		Upstream	Downstream
Scenario:	Alt3	Invert: 11.00 ft	Invert: 6.00 ft
From Node:	NSR0790	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0730	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	630.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RSR0809.1		Upstream	Downstream
Scenario:	Alt3	Invert: 7.46 ft	Invert: 2.35 ft
From Node:	NSR0809	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NSR0790	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 3.58 ft	Max Depth: 3.58 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	600.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR0810B	Upstream	Downstream
Scenario: Alt3	Invert: 8.70 ft	Invert: 8.65 ft
From Node: NSR0810	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0809	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 20.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR0810OW	Upstream	Downstream
Scenario: Alt3	Invert: 13.00 ft	Invert: 9.40 ft
From Node: NSR0810	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0790	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 647.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR0830B	Upstream	Downstream
Scenario: Alt3	Invert: 9.41 ft	Invert: 8.05 ft
From Node: NSR0830	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0810	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	610.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RSR0830OWA

	Upstream	Downstream
Scenario:	Alt3	Invert: 15.10 ft
From Node:	NSR0830	Manning's N: 0.0000
To Node:	NSR0450	Manning's N: 0.0000
Link Count:	1	Geometry: Irregular
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Cross Section: LOCAL_20FT_HALF
Length:	408.00 ft	Cross Section: LOCAL_20FT_HALF
Contraction Coef:	0.00	
Expansion Coef:	0.00	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	

Comment:

Channel Link: RSR0830OV/B

	Upstream	Downstream
Scenario:	Alt3	Invert: 14.80 ft
From Node:	NSR0830	Invert: 14.20 ft
To Node:	NSR0470	Manning's N: 0.0000
Link Count:	1	Manning's N: 0.0000
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Geometry: Irregular
Length:	650.00 ft	Cross Section: LOCAL_20FT_HALF
Contraction Coef:	0.00	Cross Section: LOCAL_20FT_HALF
Expansion Coef:	0.00	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	

Comment:

Channel Link: RSR083OW		Upstream	Downstream
Scenario:	Alt3	Invert: 14.70 ft	Invert: 13.00 ft
From Node:	NSR0830	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0810	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	636.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RSR0840		Upstream	Downstream
Scenario:	Alt3	Invert: 11.86 ft	Invert: 10.69 ft
From Node:	NSR0840	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	NSR0850	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	584.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR0840OW		Upstream	Downstream
Scenario:	Alt3	Invert: 15.80 ft	Invert: 15.20 ft
From Node:	NSR0840	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR0850	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	384.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Channel Link: RSR0840OWA	Upstream	Downstream
Scenario: Alt3	Invert: 16.10 ft	Invert: 14.60 ft
From Node: NSR0840	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0830	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 332.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR0850B	Upstream	Downstream
Scenario: Alt3	Invert: 10.69 ft	Invert: 9.41 ft
From Node: NSR0850	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0830	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 640.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR0850OW	Upstream	Downstream
Scenario: Alt3	Invert: 15.20 ft	Invert: 14.30 ft

From Node:	NSR0850	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR0830	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	LOCAL_20FT_FULL	Cross Section:	LOCAL_20FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	643.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RSR0860	Upstream	Downstream
Scenario: Alt3	Invert: 13.84 ft	Invert: 12.29 ft
From Node: NSR0860	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW2380	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 280.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RSR0860OW	Upstream	Downstream
Scenario: Alt3	Invert: 16.30 ft	Invert: 15.30 ft
From Node: NSR0860	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW2380	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 160.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Channel Link: RSR0860OWA	Upstream	Downstream
Scenario: Alt3	Invert: 16.40 ft	Invert: 15.20 ft
From Node: NSR0860	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0850	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 272.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR0869	Upstream	Downstream
Scenario: Alt3	Invert: 11.39 ft	Invert: 10.69 ft
From Node: NSR0869	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0850	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 425.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR0870B.1	Upstream	Downstream
Scenario: Alt3	Invert: 11.74 ft	Invert: 11.50 ft
From Node: NSR0870	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0869	Geometry: Rectangular	Geometry: Rectangular

Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Max Width:	3.50 ft	Max Width:	3.50 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	186.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RSR0870OW	Upstream	Downstream
Scenario: Alt3	Invert: 15.90 ft	Invert: 15.20 ft
From Node: NSR0870	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0850	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 500.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RSR0870OWA	Upstream	Downstream
Scenario: Alt3	Invert: 16.40 ft	Invert: 15.50 ft
From Node: NSR0870	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0840	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: HENDERSON_HALF	Cross Section: HENDERSON_HALF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 333.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Pipe Link: RSR0880	Upstream	Downstream
Scenario: Alt3	Invert: 11.97 ft	Invert: 11.74 ft
From Node: NSR0880	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0870	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 115.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR0880OW	Upstream	Downstream
Scenario: Alt3	Invert: 15.40 ft	Invert: 15.20 ft
From Node: NSR0880	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0870	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: HENDERSON_HALF	Cross Section: HENDERSON_HALF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 120.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RSR0881OW	Upstream	Downstream
Scenario: Alt3	Invert: 17.50 ft	Invert: 17.00 ft
From Node: NSR0881	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW2410	Geometry: Irregular	Geometry: Irregular

Link Count: 1 Cross Section: LOCAL_30FT_FULL Cross Section: LOCAL_30FT_FULL
Flow Direction: Both
Damping: 0.0000 ft
Length: 616.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: RSR0881OWB	Upstream	Downstream
Scenario: Alt3	Invert: 17.00 ft	Invert: 15.70 ft
From Node: NSR0881	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0880	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: HENDERSON_HALF	Cross Section: HENDERSON_HALF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 828.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RSR0881OWC	Upstream	Downstream
Scenario: Alt3	Invert: 17.00 ft	Invert: 15.90 ft
From Node: NSR0881	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW2380	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 1217.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR0890	Upstream	Downstream
Scenario: Alt3	Invert: -1.33 ft	Invert: -2.40 ft
From Node: NSR0890	Manning's N: 0.0200	Manning's N: 0.0200
To Node: NSR0250	Geometry: Rectangular	Geometry: Rectangular
Link Count: 2	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 30.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR0890OW	Upstream	Downstream
Scenario: Alt3	Invert: 2.79 ft	Invert: 2.78 ft
From Node: NSR0890	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0250	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR0890OW	Cross Section: RSR0890OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR0910	Upstream	Downstream
Scenario: Alt3	Invert: -1.27 ft	Invert: -2.40 ft
From Node: NSR0910	Manning's N: 0.0160	Manning's N: 0.0160
To Node: NSR0890	Geometry: Rectangular	Geometry: Rectangular

Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Max Width:	6.00 ft	Max Width:	6.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	500.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RSR0910A		Upstream		Downstream	
Scenario:	Alt3	Invert:	-1.27 ft	Invert:	-2.40 ft
From Node:	NSR0910	Manning's N:	0.0160	Manning's N:	0.0160
To Node:	NSR0890	Geometry: Rectangular		Geometry: Rectangular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Max Width:	6.00 ft	Max Width:	6.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	500.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RSR0910OW		Upstream		Downstream	
Scenario:	Alt3	Invert:	4.57 ft	Invert:	4.56 ft
From Node:	NSR0910	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR0230	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	RSR0910OW	Cross Section:	RSR0910OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RSR0930	Upstream	Downstream
Scenario: Alt3	Invert: 1.02 ft	Invert: 0.92 ft
From Node: NSR0930	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSR0910	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 45.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR0950	Upstream	Downstream
Scenario: Alt3	Invert: -0.55 ft	Invert: -1.27 ft
From Node: NSR0950	Manning's N: 0.0160	Manning's N: 0.0160
To Node: NSR0910	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 700.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR0950A	Upstream	Downstream
Scenario: Alt3	Invert: -0.55 ft	Invert: -1.27 ft
From Node: NSR0950	Manning's N: 0.0160	Manning's N: 0.0160
To Node: NSR0910	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 700.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR0950AOW	Upstream	Downstream
Scenario: Alt3	Invert: 5.21 ft	Invert: 5.20 ft
From Node: NSR0950	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0930	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR0950AOW	Cross Section: RSR0950AOW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RSR0950OW	Upstream	Downstream
Scenario: Alt3	Invert: 5.16 ft	Invert: 5.15 ft
From Node: NSR0950	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0990	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR0950OW	Cross Section: RSR0950OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		

Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RSR0970	Upstream	Downstream
Scenario: Alt3	Invert: 0.46 ft	Invert: -0.55 ft
From Node: NSR0970	Manning's N: 0.0160	Manning's N: 0.0160
To Node: NSR0950	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 500.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR0970A	Upstream	Downstream
Scenario: Alt3	Invert: 0.46 ft	Invert: -0.55 ft
From Node: NSR0970	Manning's N: 0.0160	Manning's N: 0.0160
To Node: NSR0950	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 500.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR0990		Upstream	Downstream
Scenario:	Alt3	Invert: 0.58 ft	Invert: 0.46 ft
From Node:	NSR0990	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	NSR0970	Geometry: Rectangular	Geometry: Rectangular
Link Count:	2	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping:	0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	30.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.50	Op Table:	Op Table:
Exit Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip	
Energy Switch:	Energy	Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RSR1010OW			
Scenario:	Alt3	Bottom Clip	
From Node:	NSR1010	Default:	0.00 ft
To Node:	NSR0990	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.50 ft	Discharge Coefficients	
Control Elevation:	5.50 ft	Weir Default:	2.400
Max Depth:	9999.00 ft	Weir Table:	
Max Width:	50.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Channel Link: RSR1030		Upstream	Downstream
Scenario:	Alt3	Invert: 4.26 ft	Invert: 0.58 ft
From Node:	NSR1030	Manning's N: 0.0350	Manning's N: 0.0350
To Node:	NSR0990	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 10.00 ft	Max Depth: 10.00 ft
Flow Direction:	Both	Extrapolation: Normal	Extrapolation: Normal
Damping:	0.0000	Bottom Width: 4.00 ft	Bottom Width: 4.00 ft
Length:	616.00 ft	Left Slope: 0.520 (h:v)	Left Slope: 0.520 (h:v)
Contraction Coef:	0.00	Right Slope: 0.570 (h:v)	Right Slope: 0.570 (h:v)
Expansion Coef:	0.00	Bottom Clip	

Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	

Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RSR1050OW

Scenario: Alt3	Bottom Clip
From Node: NSR1050	Default: 0.00 ft
To Node: NSR1030	Op Table:
Link Count: 1	Ref Node:
Flow Direction: Both	Top Clip
Damping: 0.0000 ft	Default: 0.00 ft
Weir Type: Broad Crested Vertical	Op Table:
Geometry Type: Rectangular	Ref Node:
Invert: 6.20 ft	Discharge Coefficients
Control Elevation: 6.20 ft	Weir Default: 2.400
Max Depth: 9999.00 ft	Weir Table:
Max Width: 50.00 ft	Orifice Default: 0.600
Fillet: 0.00 ft	Orifice Table:

Comment:

Pipe Link: RSR1070

	Upstream	Downstream
Scenario: Alt3	Invert: 4.76 ft	Invert: 4.37 ft
From Node: NSR1070	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR1030	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Max Width: 5.00 ft	Max Width: 5.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 70.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.50	Op Table:	Op Table:
Exit Loss Coef: 0.50	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR1070OWA		
	Upstream	Downstream
Scenario: Alt3	Invert: 9.60 ft	Invert: 6.50 ft
From Node: NSR1070	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0950	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 660.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Weir Link: RSR1070OWB		
Scenario: Alt3	Bottom Clip	
From Node: NSR1070	Default: 0.00 ft	
To Node: NSR1010	Op Table:	
Link Count: 1	Ref Node:	
Flow Direction: Both	Top Clip	
Damping: 0.0000 ft	Default: 0.00 ft	
Weir Type: Broad Crested Vertical	Op Table:	
Geometry Type: Rectangular	Ref Node:	
Invert: 9.10 ft	Discharge Coefficients	
Control Elevation: 9.10 ft	Weir Default: 2.600	
Max Depth: 9999.00 ft	Weir Table:	
Max Width: 35.00 ft	Orifice Default: 0.600	
Fillet: 0.00 ft	Orifice Table:	

Comment:

Weir Link: RSR1070OWC		
Scenario: Alt3	Bottom Clip	
From Node: NSR1070	Default: 0.00 ft	
To Node: NSR1050	Op Table:	
Link Count: 1	Ref Node:	
Flow Direction: Both	Top Clip	
Damping: 0.0000 ft	Default: 0.00 ft	
Weir Type: Broad Crested Vertical	Op Table:	
Geometry Type: Rectangular	Ref Node:	
Invert: 9.40 ft	Discharge Coefficients	
Control Elevation: 9.40 ft	Weir Default: 2.600	
Max Depth: 9999.00 ft	Weir Table:	

Max Width: 176.00 ft
Fillet: 0.00 ft

Orifice Default: 0.600
Orifice Table:

Comment:

Pipe Link: RSR1090

Upstream

Downstream

Scenario: Alt3
From Node: NSR1090
To Node: NSR1070
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 205.00 ft
FHWA Code: 0
Entr Loss Coef: 0.50
Exit Loss Coef: 0.50
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 5.71 ft
Manning's N: 0.0130

Invert: 4.76 ft
Manning's N: 0.0130

Geometry: Rectangular

Geometry: Rectangular

Max Depth: 3.00 ft

Max Depth: 3.00 ft

Max Width: 5.00 ft

Max Width: 5.00 ft

Fillet: 0.00 ft

Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Weir Link: RSR1090OW

Scenario: Alt3
From Node: NSR1090
To Node: NSR1070
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 11.20 ft
Control Elevation: 11.20 ft
Max Depth: 9999.00 ft
Max Width: 100.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: RSR1110OW

Scenario: Alt3

Bottom Clip

From Node: NSR1110
To Node: NSR1090
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 11.50 ft
Control Elevation: 11.50 ft
Max Depth: 9999.00 ft
Max Width: 50.00 ft
Fillet: 0.00 ft

Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.400
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR1130OW

Scenario: Alt3
From Node: NSR1130
To Node: NSR1090
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 10.48 ft
Control Elevation: 10.48 ft
Max Depth: 9999.00 ft
Max Width: 10.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR1130OWA

Scenario: Alt3
From Node: NSR1130
To Node: NSR1070
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 11.20 ft
Control Elevation: 11.20 ft
Max Depth: 9999.00 ft
Max Width: 150.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: RSR1150

Scenario:	Alt3	Bottom Clip
From Node:	NSR1150	Default: 0.00 ft
To Node:	NSR1170	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	10.63 ft	Discharge Coefficients
Control Elevation:	10.63 ft	Weir Default: 3.200
Max Depth:	9999.00 ft	Weir Table:
Max Width:	10.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Channel Link: RSR1150OW

	Upstream	Downstream
Scenario:	Alt3	Invert: 11.31 ft
From Node:	NSR1150	Manning's N: 0.0000
To Node:	NSR1130	Manning's N: 0.0000
Link Count:	1	Geometry: Irregular
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Cross Section: RSR1150OW
Length:	33.00 ft	Cross Section: RSR1150OW
Contraction Coef:	0.00	
Expansion Coef:	0.00	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	

Comment:

Pipe Link: RSR1170

	Upstream	Downstream
Scenario:	Alt3	Invert: 8.13 ft
From Node:	NSR1170	Invert: 7.63 ft
To Node:	NSR1090	Manning's N: 0.0120
Link Count:	1	Manning's N: 0.0120
Flow Direction:	Both	Geometry: Circular
Damping:	0.0000 ft	Geometry: Circular
		Max Depth: 1.00 ft
		Max Depth: 1.00 ft
		Bottom Clip
	Default: 0.00 ft	Default: 0.00 ft

Length:	30.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: RSR1190		Upstream	Downstream
Scenario:	Alt3	Invert: 8.80 ft	Invert: 5.87 ft
From Node:	NSR1190	Manning's N: 0.0350	Manning's N: 0.0350
To Node:	NSR1090	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 10.00 ft	Max Depth: 10.00 ft
Flow Direction:	Both	Extrapolation: Normal	Extrapolation: Normal
Damping:	0.0000 ft	Bottom Width: 4.00 ft	Bottom Width: 4.00 ft
Length:	436.00 ft	Left Slope: 0.540 (h:v)	Left Slope: 0.540 (h:v)
Contraction Coef:	0.00	Right Slope: 0.550 (h:v)	Right Slope: 0.550 (h:v)
Expansion Coef:	0.00	Bottom Clip	
Entr Loss Coef:	0.00	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:	
Bend Loss Coef:	0.00	Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip	
		Default:	0.00 ft
		Op Table:	
		Ref Node:	
		Manning's N:	0.0000
Comment: From Dale Mabry model			

Pipe Link: RSR1210		Upstream	Downstream
Scenario:	Alt3	Invert: 8.68 ft	Invert: 8.58 ft
From Node:	NSR1210	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NSR1190	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	30.00 ft	Op Table:	
FHWA Code:	0	Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Weir Link: RSR1210OW

Scenario: Alt3
 From Node: NSR1210
 To Node: NSR1190
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 12.30 ft
 Control Elevation: 12.30 ft
 Max Depth: 833.25 ft
 Max Width: 45.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.400
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Channel Link: RSR1230

Upstream

Downstream

Scenario: Alt3
 From Node: NSR1230
 To Node: NSR1190
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 660.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 9.10 ft
 Manning's N: 0.0350

Invert: 8.80 ft
 Manning's N: 0.0350

Geometry: Trapezoidal

Geometry: Trapezoidal

Max Depth: 10.00 ft
 Extrapolation: Normal
 Bottom Width: 4.00 ft
 Left Slope: 0.520 (h:v)
 Right Slope: 0.570 (h:v)

Max Depth: 10.00 ft
 Extrapolation: Normal
 Bottom Width: 4.00 ft
 Left Slope: 0.520 (h:v)
 Right Slope: 0.570 (h:v)

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment: From Dale Mabry model

Channel Link: RSR1270

Upstream

Downstream

Scenario: Alt3

Invert: 9.65 ft

Invert: 9.10 ft

From Node:	NSR1270	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR1230	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RSR1270	Cross Section:	RSR1270
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	467.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment: From Dale Mabry model					

Weir Link: RSR1290OW					
Scenario:	Alt3	Bottom Clip			
From Node:	NSR1290	Default:	0.00 ft		
To Node:	NSR1270	Op Table:			
Link Count:	1	Ref Node:			
Flow Direction:	Both	Top Clip			
Damping:	0.0000 ft	Default:	0.00 ft		
Weir Type:	Broad Crested Vertical	Op Table:			
Geometry Type:	Rectangular	Ref Node:			
Invert:	13.00 ft	Discharge Coefficients			
Control Elevation:	13.00 ft	Weir Default:	2.400		
Max Depth:	833.25 ft	Weir Table:			
Max Width:	50.00 ft	Orifice Default:	0.600		
Fillet:	0.00 ft	Orifice Table:			
Comment:					

Weir Link: RSR1310OW					
Scenario:	Alt3	Bottom Clip			
From Node:	NSR1310	Default:	0.00 ft		
To Node:	NSR1270	Op Table:			
Link Count:	1	Ref Node:			
Flow Direction:	Both	Top Clip			
Damping:	0.0000 ft	Default:	0.00 ft		
Weir Type:	Broad Crested Vertical	Op Table:			
Geometry Type:	Rectangular	Ref Node:			
Invert:	13.00 ft	Discharge Coefficients			
Control Elevation:	13.00 ft	Weir Default:	2.600		
Max Depth:	833.25 ft	Weir Table:			
Max Width:	50.00 ft	Orifice Default:	0.600		
Fillet:	0.00 ft	Orifice Table:			

Comment:

Pipe Link: RSR1330	Upstream	Downstream
Scenario: Alt3	Invert: 10.06 ft	Invert: 9.98 ft
From Node: NSR1330	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSR1270	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Max Width: 5.50 ft	Max Width: 5.50 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 55.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.50	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR1350	Upstream	Downstream
Scenario: Alt3	Invert: 11.33 ft	Invert: 11.23 ft
From Node: NSR1350	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSR1330	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 38.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RSR1350OW	Bottom Clip
Scenario: Alt3	Default: 0.00 ft
From Node: NSR1350	Op Table:
To Node: NSR1330	

Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 14.60 ft
Control Elevation: 14.60 ft
Max Depth: 833.25 ft
Max Width: 50.00 ft
Fillet: 0.00 ft

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Channel Link: RSR1370

Upstream

Downstream

Scenario: Alt3
From Node: NSR1370
To Node: NSR1330
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 640.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Invert: 10.11 ft

Invert: 9.98 ft

Manning's N: 0.0000

Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: RSR1370

Cross Section: RSR1370

Comment: From Dale Mabry model

Weir Link: RSR1390OW

Scenario: Alt3
From Node: NSR1390
To Node: NSR1370
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 14.50 ft
Control Elevation: 14.50 ft
Max Depth: 833.25 ft
Max Width: 50.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.600

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Pipe Link: RSR1410	Upstream	Downstream
Scenario: Alt3	Invert: 12.13 ft	Invert: 11.23 ft
From Node: NSR1410	Manning's N: 0.0140	Manning's N: 0.0140
To Node: NSR1370	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 303.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RSR1410OW	Upstream	Downstream
Scenario: Alt3	Invert: 11.87 ft	Invert: 11.86 ft
From Node: NSR1410	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR1370	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR1410OW	Cross Section: RSR1410OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Pipe Link: RSR1430	Upstream	Downstream
Scenario: Alt3	Invert: 12.49 ft	Invert: 11.23 ft
From Node: NSR1430	Manning's N: 0.0140	Manning's N: 0.0140
To Node: NSR1410	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 619.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR1430OW	Upstream	Downstream
Scenario: Alt3	Invert: 14.88 ft	Invert: 14.87 ft
From Node: NSR1450	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR1430	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR1430OW	Cross Section: RSR1430OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR1450	Upstream	Downstream
Scenario: Alt3	Invert: 13.63 ft	Invert: 12.49 ft
From Node: NSR1450	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSR1430	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 380.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR1450OW	Upstream	Downstream
Scenario: Alt3	Invert: 14.82 ft	Invert: 14.81 ft

From Node:	NSR1450	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR1590	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RSR1450OW	Cross Section:	RSR1450OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RSR1460	Upstream	Downstream
Scenario: Alt3	Invert: 8.97 ft	Invert: 8.84 ft
From Node: NBW1460	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW1430	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 442.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.50	Op Table:	Op Table:
Exit Loss Coef: 0.50	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RSR1470	Upstream	Downstream
Scenario: Alt3	Invert: 13.16 ft	Invert: 12.40 ft
From Node: NSR1470	Manning's N: 0.0140	Manning's N: 0.0140
To Node: NSR1430	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 350.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RSR1470OW		Upstream	Downstream
Scenario:	Alt3	Invert:	15.13 ft
From Node:	NSR1470	Manning's N:	0.0000
To Node:	NSR1430	Geometry:	Irregular
Link Count:	1	Cross Section:	RSR1470OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RSR1490		Upstream	Downstream
Scenario:	Alt3	Invert:	13.15 ft
From Node:	NSR1490	Manning's N:	0.0140
To Node:	NSR1470	Geometry:	Circular
Link Count:	1	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	300.00 ft	Op Table:	
FHWA Code:	0	Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000

Comment:

Channel Link: RSR1490OW		Upstream	Downstream
Scenario:	Alt3	Invert:	15.64 ft
			Invert:
			15.63 ft

From Node:	NSR1490	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR1470	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RSR1490OW	Cross Section:	RSR1490OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RSR1510		Upstream	Downstream
Scenario:	Alt3	Invert: 10.95 ft	Invert: 10.43 ft
From Node:	NSR1510	Manning's N: 0.0140	Manning's N: 0.0140
To Node:	NSR1490	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	258.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: RSR1510OW		Upstream	Downstream
Scenario:	Alt3	Invert: 14.95 ft	Invert: 14.94 ft
From Node:	NSR1510	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR1490	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RSR1510OW	Cross Section: RSR1510OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Channel Link: RSR1530OW

Upstream

Downstream

Scenario: Alt3

Invert: 12.58 ft

Invert: 12.57 ft

From Node: NSR1530

Manning's N: 0.0000

Manning's N: 0.0000

To Node: NSR1370

Geometry: Irregular

Geometry: Irregular

Link Count: 1

Cross Section: RSR1530OW

Cross Section: RSR1530OW

Flow Direction: Both

Damping: 0.0000 ft

Length: 33.00 ft

Contraction Coef: 0.00

Expansion Coef: 0.00

Entr Loss Coef: 0.00

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Channel Link: RSR1550

Upstream

Downstream

Scenario: Alt3

Invert: 10.81 ft

Invert: 10.11 ft

From Node: NSR1550

Manning's N: 0.0000

Manning's N: 0.0000

To Node: NSR1370

Geometry: Irregular

Geometry: Irregular

Link Count: 1

Cross Section: RSR1550

Cross Section: RSR1550

Flow Direction: Both

Damping: 0.0000 ft

Length: 694.00 ft

Contraction Coef: 0.00

Expansion Coef: 0.00

Entr Loss Coef: 0.00

Exit Loss Coef: 0.00

Bend Loss Coef: 0.00

Bend Location: 0.00 dec

Energy Switch: Energy

Comment: From Dale Mabry model

Channel Link: RSR1570OW

Upstream

Downstream

Scenario: Alt3

Invert: 12.84 ft

Invert: 12.83 ft

From Node: NSR1570

Manning's N: 0.0000

Manning's N: 0.0000

To Node: NSR1550

Geometry: Irregular

Geometry: Irregular

Link Count:	1	Cross Section:	RSR1570OW	Cross Section:	RSR1570OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: RSR1590OW		Upstream	Downstream
Scenario:	Alt3	Invert: 12.38 ft	Invert: 12.37 ft
From Node:	NSR1590	Manning's N: 0.0000	Manning's N: 0.0000
To Node:	NSR1550	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RSR1590OW	Cross Section: RSR1590OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Pipe Link: RSR1610		Upstream	Downstream
Scenario:	Alt3	Invert: 12.18 ft	Invert: 10.63 ft
From Node:	NSR1610	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NSR1550	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	30.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR1610OW

	Upstream	Downstream
Scenario:	Alt3	Invert: 11.75 ft
From Node:	NSR1610	Manning's N: 0.0000
To Node:	NSR1630	Manning's N: 0.0000
Link Count:	1	Geometry: Irregular
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Cross Section: RSR1610OW
Length:	33.00 ft	Cross Section: RSR1610OW
Contraction Coef:	0.00	
Expansion Coef:	0.00	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	

Comment:

Channel Link: RSR1630

	Upstream	Downstream
Scenario:	Alt3	Invert: 10.81 ft
From Node:	NSR1630	Manning's N: 0.0000
To Node:	NSR1550	Manning's N: 0.0000
Link Count:	1	Geometry: Irregular
Flow Direction:	Both	Geometry: Irregular
Damping:	0.0000 ft	Cross Section: RSR1630
Length:	606.00 ft	Cross Section: RSR1630
Contraction Coef:	0.00	
Expansion Coef:	0.00	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	

Comment: From Dale Mabry model

Weir Link: RSR1650OW

Scenario:	Alt3	Bottom Clip
From Node:	NSR1650	Default: 0.00 ft
To Node:	NSR1630	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip

Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 17.00 ft
 Control Elevation: 17.00 ft
 Max Depth: 9999.00 ft
 Max Width: 50.00 ft
 Fillet: 0.00 ft

Default: 0.00 ft
 Op Table:
 Ref Node:
 Discharge Coefficients
 Weir Default: 2.400
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RSR1670

Scenario: Alt3
 From Node: NSR1670
 To Node: NSR1630
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 30.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.20
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 13.13 ft
 Manning's N: 0.0150
 Geometry: Rectangular
 Max Depth: 1.41 ft
 Max Width: 1.83 ft
 Fillet: 0.00 ft

Downstream

Invert: 12.63 ft
 Manning's N: 0.0150
 Geometry: Rectangular
 Max Depth: 1.41 ft
 Max Width: 1.83 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: RSR1690

Scenario: Alt3
 From Node: NSR1690
 To Node: NSR1630
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 100.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 11.63 ft
 Manning's N: 0.0230
 Geometry: Rectangular
 Max Depth: 3.00 ft
 Max Width: 6.00 ft
 Fillet: 0.00 ft

Downstream

Invert: 11.51 ft
 Manning's N: 0.0230
 Geometry: Rectangular
 Max Depth: 3.00 ft
 Max Width: 6.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:

Default: 0.00 ft
 Op Table:

	Ref Node: Manning's N: 0.0000	Ref Node: Manning's N: 0.0000
Comment:		

Pipe Link: RSR1710	Upstream	Downstream
Scenario: Alt3	Invert: 12.78 ft	Invert: 12.28 ft
From Node: NSR1710	Manning's N: 0.0240	Manning's N: 0.0240
To Node: NSR1690	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 30.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RSR1710OW	Upstream	Downstream
Scenario: Alt3	Invert: 16.05 ft	Invert: 16.04 ft
From Node: NSR1710	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR1690	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR1710OW	Cross Section: RSR1710OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Channel Link: RSR1730	Upstream	Downstream
Scenario: Alt3	Invert: 11.58 ft	Invert: 10.82 ft
From Node: NSR1730	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR1690	Geometry: Irregular	Geometry: Irregular

Link Count: 1 Cross Section: RSR1730 Cross Section: RSR1730
Flow Direction: Both
Damping: 0.0000 ft
Length: 600.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment: From Dale Mabry model

Channel Link: RSR1730OW

	Upstream	Downstream
Scenario:	Alt3	Invert: 16.43 ft
From Node:	NSR1730	Manning's N: 0.0000
To Node:	NSR1950	Manning's N: 0.0000
Link Count:	1	Geometry: Irregular
Flow Direction:	Both	Cross Section: RSR1730OW
Damping:	0.0000 ft	Cross Section: RSR1730OW
Length:	33.00 ft	
Contraction Coef:	0.00	
Expansion Coef:	0.00	
Entr Loss Coef:	0.00	
Exit Loss Coef:	0.00	
Bend Loss Coef:	0.00	
Bend Location:	0.00 dec	
Energy Switch:	Energy	

Comment:

Weir Link: RSR1750OW

	Bottom Clip
Scenario:	Alt3
From Node:	NSR1750
To Node:	NSR1730
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	16.60 ft
Control Elevation:	16.60 ft
Max Depth:	833.25 ft
Max Width:	50.00 ft
Fillet:	0.00 ft

	Top Clip
Default:	0.00 ft
Op Table:	
Ref Node:	

	Discharge Coefficients
Weir Default:	2.400
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Pipe Link: RSR1770	Upstream	Downstream
Scenario: Alt3	Invert: 11.63 ft	Invert: 11.36 ft
From Node: NSR1770	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSR1730	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 346.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RSR1770OW	Upstream	Downstream
Scenario: Alt3	Invert: 16.35 ft	Invert: 16.34 ft
From Node: NSR1790	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR1770	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR1770OW	Cross Section: RSR1770OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Pipe Link: RSR1790	Upstream	Downstream
Scenario: Alt3	Invert: 11.82 ft	Invert: 11.63 ft
From Node: NSR1790	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSR1770	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 341.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RSR1810	Upstream	Downstream
Scenario: Alt3	Invert: 12.02 ft	Invert: 11.82 ft
From Node: NSR1810	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSR1790	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 325.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR1810OW	Upstream	Downstream
Scenario: Alt3	Invert: 16.76 ft	Invert: 16.75 ft
From Node: NSR1830	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR1810	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR1810OW	Cross Section: RSR1810OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR1830	Upstream	Downstream
Scenario: Alt3	Invert: 12.22 ft	Invert: 12.02 ft

From Node:	NSR1830	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NSR1810	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	326.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RSR1830AOW		Upstream		Downstream	
Scenario:	Alt3	Invert:	17.11 ft	Invert:	17.10 ft
From Node:	NSR1830	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR1670	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RSR1830AOW	Cross Section:	RSR1830AOW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: RSR1830OW		Upstream		Downstream	
Scenario:	Alt3	Invert:	16.72 ft	Invert:	16.71 ft
From Node:	NSR1830	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR1790	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	RSR1830OW	Cross Section:	RSR1830OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				

Bend Location: 0.00 dec

Energy Switch: Energy

Comment:

Pipe Link: RSR1850	Upstream	Downstream
Scenario: Alt3	Invert: 12.42 ft	Invert: 12.22 ft
From Node: NSR1850	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSR1830	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 331.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR1850OW	Upstream	Downstream
Scenario: Alt3	Invert: 16.60 ft	Invert: 16.20 ft
From Node: NSR1870	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR1850	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: DALE_MABRY_FUL	Cross Section: DALE_MABRY_FUL
Flow Direction: Both	L	L
Damping: 0.0000 ft		
Length: 334.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR1870	Upstream	Downstream
Scenario: Alt3	Invert: 12.62 ft	Invert: 12.42 ft
From Node: NSR1870	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR1850	Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	331.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: RSR1870OW		Upstream		Downstream	
Scenario:	Alt3	Invert:	16.70 ft	Invert:	16.10 ft
From Node:	NSR1870	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR1910	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	DALE_MABRY_FUL	Cross Section:	DALE_MABRY_FUL
Flow Direction:	Both		L		L
Damping:	0.0000 ft				
Length:	203.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RSR1890		Upstream		Downstream	
Scenario:	Alt3	Invert:	12.79 ft	Invert:	12.62 ft
From Node:	NSR1890	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	NSR1870	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	286.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RSR1910	Upstream	Downstream
Scenario: Alt3	Invert: 12.97 ft	Invert: 12.79 ft
From Node: NSR1910	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR1890	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 176.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR1910B	Upstream	Downstream
Scenario: Alt3	Invert: 6.70 ft	Invert: 6.50 ft
From Node: NSR1910	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NBW2690	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 5.00 ft	Max Depth: 5.00 ft
Flow Direction: Both	Max Width: 6.00 ft	Max Width: 6.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 730.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.50	Op Table:	Op Table:
Exit Loss Coef: 0.50	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR1910OW	Upstream	Downstream
Scenario: Alt3	Invert: 16.70 ft	Invert: 16.50 ft
From Node: NSR1910	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBW2690	Geometry: Irregular	Geometry: Irregular

Link Count:	1	Cross Section:	DALE_MABRY_FUL	Cross Section:	DALE_MABRY_FUL
Flow Direction:	Both		L		L
Damping:	0.0000 ft				
Length:	275.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Channel Link: RSR1910OWA**Upstream****Downstream**

Scenario:	Alt3	Invert:	17.50 ft	Invert:	16.30 ft
From Node:	NSR1910	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR3020	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	LOCAL_20FT_FULL	Cross Section:	LOCAL_20FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	311.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link: RSR1930**Upstream****Downstream**

Scenario:	Alt3	Invert:	10.87 ft	Invert:	11.13 ft
From Node:	NSR1930	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NSR1730	Geometry:	Rectangular	Geometry:	Rectangular
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Max Width:	4.00 ft	Max Width:	4.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	71.00 ft				
FHWA Code:	0	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	

	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RSR1930OW	Upstream	Downstream
Scenario: Alt3	Invert: 16.55 ft	Invert: 16.54 ft
From Node: NSR1930	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR1730	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR1930OW	Cross Section: RSR1930OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Pipe Link: RSR1950	Upstream	Downstream
Scenario: Alt3	Invert: 11.11 ft	Invert: 10.93 ft
From Node: NSR1950	Manning's N: 0.0180	Manning's N: 0.0180
To Node: NSR1930	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 117.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RSR1970	Upstream	Downstream
Scenario: Alt3	Invert: 11.21 ft	Invert: 11.11 ft
From Node: NSR1970	Manning's N: 0.0210	Manning's N: 0.0210
To Node: NSR1950	Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	67.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: RSR1970OW		Upstream		Downstream	
Scenario:	Alt3	Invert:	16.65 ft	Invert:	16.64 ft
From Node:	NSR1970	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBB0310	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	RSR1970OW	Cross Section:	RSR1970OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RSR1990		Upstream		Downstream	
Scenario:	Alt3	Invert:	11.71 ft	Invert:	11.49 ft
From Node:	NSR1990	Manning's N:	0.0170	Manning's N:	0.0170
To Node:	NSR2010	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	178.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RSR1990A	Upstream	Downstream
Scenario: Alt3	Invert: 11.49 ft	Invert: 11.21 ft
From Node: NSR1990	Manning's N: 0.0160	Manning's N: 0.0160
To Node: NSR1970	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 235.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR2030	Upstream	Downstream
Scenario: Alt3	Invert: 11.98 ft	Invert: 11.80 ft
From Node: NSR2030	Manning's N: 0.0160	Manning's N: 0.0160
To Node: NSR2050	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 184.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR2030A	Upstream	Downstream
Scenario: Alt3	Invert: 11.80 ft	Invert: 11.71 ft
From Node: NSR2030	Manning's N: 0.0200	Manning's N: 0.0200
To Node: NSR2010	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	69.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link:	RSR2050OW	Upstream		Downstream	
Scenario:	Alt3	Invert:	16.39 ft	Invert:	16.38 ft
From Node:	NSR2050	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NBB0370	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RSR2050OW	Cross Section:	RSR2050OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Comment:

Pipe Link:	RSR2070	Upstream		Downstream	
Scenario:	Alt3	Invert:	12.22 ft	Invert:	11.98 ft
From Node:	NSR2070	Manning's N:	0.0150	Manning's N:	0.0150
To Node:	NSR2050	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	231.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: RSR2090	Upstream	Downstream
Scenario: Alt3	Invert: 12.86 ft	Invert: 12.72 ft
From Node: NSR2090	Manning's N: 0.0200	Manning's N: 0.0200
To Node: NSR2070	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 60.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: RSR2110	Upstream	Downstream
Scenario: Alt3	Invert: 13.05 ft	Invert: 12.86 ft
From Node: NSR2110	Manning's N: 0.0160	Manning's N: 0.0160
To Node: NSR2090	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 178.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RSR2110OW	Upstream	Downstream
Scenario: Alt3	Invert: 16.16 ft	Invert: 16.15 ft
From Node: NSR2110	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NBB0370	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR2110OW	Cross Section: RSR2110OW
Flow Direction: Both		
Damping: 0.0000		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		

Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Comment:

Pipe Link: RSR2130	Upstream	Downstream
Scenario: Alt3	Invert: 13.30 ft	Invert: 13.05 ft
From Node: NSR2130	Manning's N: 0.0150	Manning's N: 0.0150
To Node: NSR2110	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 247.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR2150	Upstream	Downstream
Scenario: Alt3	Invert: 11.46 ft	Invert: 11.03 ft
From Node: NSR2150	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSR1930	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 3.16 ft	Max Depth: 3.16 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 442.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: RSR2150OW	Upstream	Downstream
Scenario: Alt3	Invert: 16.86 ft	Invert: 16.85 ft

From Node:	NSR2150	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR2210	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	RSR2150OW	Cross Section:	RSR2150OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RSR2170		Upstream	Downstream
Scenario:	Alt3	Invert: 11.98 ft	Invert: 11.46 ft
From Node:	NSR2170	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NSR2150	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 3.16 ft	Max Depth: 3.16 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	494.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: RSR2190		Upstream	Downstream
Scenario:	Alt3	Invert: 12.17 ft	Invert: 11.98 ft
From Node:	NSR2190	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NSR2170	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count:	1	Max Depth: 3.16 ft	Max Depth: 3.16 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	178.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: RSR2210

Upstream

Downstream

Scenario: Alt3
 From Node: NSR2210
 To Node: NSR2190
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 12.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 12.23 ft
 Manning's N: 0.0120

Invert: 12.21 ft
 Manning's N: 0.0120

Geometry: Circular

Geometry: Circular

Max Depth: 2.50 ft

Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: RSR2210OW

Upstream

Downstream

Scenario: Alt3
 From Node: NSR2210
 To Node: NSR2250
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 33.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 16.39 ft
 Manning's N: 0.0000

Invert: 16.38 ft
 Manning's N: 0.0000

Geometry: Irregular

Geometry: Irregular

Cross Section: RSR2210OW

Cross Section: RSR2210OW

Comment:

Pipe Link: RSR2230

Upstream

Downstream

Scenario: Alt3
 From Node: NSR2230
 To Node: NSR2190

Invert: 12.21 ft
 Manning's N: 0.0120

Invert: 12.17 ft
 Manning's N: 0.0120

Geometry: Horizontal Ellipse

Geometry: Horizontal Ellipse

Link Count:	1	Max Depth:	2.42 ft	Max Depth:	2.42 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	42.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link:	RSR2250	Upstream		Downstream	
Scenario:	Alt3	Invert:	12.31 ft	Invert:	12.21 ft
From Node:	NSR2250	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NSR2230	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	2.42 ft	Max Depth:	2.42 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	85.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link:	RSR2270	Upstream		Downstream	
Scenario:	Alt3	Invert:	12.64 ft	Invert:	12.31 ft
From Node:	NSR2270	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NSR2250	Geometry:	Horizontal Ellipse	Geometry:	Horizontal Ellipse
Link Count:	1	Max Depth:	2.42 ft	Max Depth:	2.42 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	105.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: RSR2270OW	Upstream	Downstream
Scenario: Alt3	Invert: 16.02 ft	Invert: 16.01 ft
From Node: NSR2270	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR2250	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR2270OW	Cross Section: RSR2270OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR2290	Upstream	Downstream
Scenario: Alt3	Invert: 12.75 ft	Invert: 12.64 ft
From Node: NSR2290	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSR2270	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.42 ft	Max Depth: 2.42 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 135.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR2310	Upstream	Downstream
Scenario: Alt3	Invert: 12.75 ft	Invert: 12.64 ft
From Node: NSR2310	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSR2290	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 2.42 ft	Max Depth: 2.42 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	105.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: RSR2310OW		Upstream		Downstream	
Scenario:	Alt3	Invert:	16.93 ft	Invert:	16.92 ft
From Node:	NSR2310	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR2270	Geometry: Irregular		Geometry: Irregular	
Link Count:	1	Cross Section:	RSR2310OW	Cross Section:	RSR2310OW
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	33.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Comment:					

Pipe Link: RSR2330		Upstream		Downstream	
Scenario:	Alt3	Invert:	13.61 ft	Invert:	13.15 ft
From Node:	NSR2330	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NSR2310	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	1.58 ft	Max Depth:	1.58 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	287.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: RSR2330OW		
	Upstream	Downstream
Scenario: Alt3	Invert: 16.80 ft	Invert: 16.79 ft
From Node: NSR2350	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR2330	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR2330OW	Cross Section: RSR2330OW
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 33.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR2350		
	Upstream	Downstream
Scenario: Alt3	Invert: 14.12 ft	Invert: 13.61 ft
From Node: NSR2350	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSR2330	Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Link Count: 1	Max Depth: 1.58 ft	Max Depth: 1.58 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 319.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: RSR2370		
	Upstream	Downstream
Scenario: Alt3	Invert: 10.82 ft	Invert: 10.82 ft
From Node: NSR2370	Manning's N: 0.0120	Manning's N: 0.0120
To Node: NSR1930	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 23.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	

Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RSR2390OW

Scenario: Alt3	Bottom Clip
From Node: NSR2390	Default: 0.00 ft
To Node: NSR2370	Op Table:
Link Count: 1	Ref Node:
Flow Direction: Both	Top Clip
Damping: 0.0000 ft	Default: 0.00 ft
Weir Type: Broad Crested Vertical	Op Table:
Geometry Type: Rectangular	Ref Node:
Invert: 17.90 ft	Discharge Coefficients
Control Elevation: 17.90 ft	Weir Default: 2.400
Max Depth: 833.25 ft	Weir Table:
Max Width: 50.00 ft	Orifice Default: 0.600
Fillet: 0.00 ft	Orifice Table:

Comment:

Channel Link: RSR2410

	Upstream	Downstream
Scenario: Alt3	Invert: 14.13 ft	Invert: 10.73 ft
From Node: NSR2410	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR2370	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: RSR2410	Cross Section: RSR2410
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 560.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment: From Dale Mabry model

Channel Link: RSR2430OW

	Upstream	Downstream
Scenario: Alt3	Invert: 17.74 ft	Invert: 17.73 ft
From Node: NSR2430	Manning's N: 0.0000	Manning's N: 0.0000

To Node:	NSR2410	Geometry: Irregular	Geometry: Irregular
Link Count:	1	Cross Section: RSR2430OW	Cross Section: RSR2430OW
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	33.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		
Comment:			

Weir Link: RSR2450OW			
Scenario:	Alt3	Bottom Clip	
From Node:	NSR2450	Default:	0.00 ft
To Node:	NSR2410	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	17.70 ft	Discharge Coefficients	
Control Elevation:	17.70 ft	Weir Default:	2.600
Max Depth:	833.25 ft	Weir Table:	
Max Width:	50.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Channel Link: RSR2775OW			
	Upstream		Downstream
	Invert:	6.80 ft	Invert: 5.10 ft
	Manning's N:	0.0000	Manning's N: 0.0000
	Geometry: Irregular		Geometry: Irregular
	Cross Section:	CURB_20FT_FULL	Cross Section: CURB_20FT_FULL
Scenario:	Alt3		
From Node:	NBW2775		
To Node:	NBW0270		
Link Count:	1		
Flow Direction:	Both		
Damping:	0.0000 ft		
Length:	288.00 ft		
Contraction Coef:	0.00		
Expansion Coef:	0.00		
Entr Loss Coef:	0.00		
Exit Loss Coef:	0.00		
Bend Loss Coef:	0.00		
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Comment:

Weir Link: RSR2775OWB

Scenario:	Alt3	Bottom Clip
From Node:	NBW2775	Default: 0.00 ft
To Node:	NBW0330	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	6.50 ft	Discharge Coefficients
Control Elevation:	6.50 ft	Weir Default: 2.600
Max Depth:	9999.00 ft	Weir Table:
Max Width:	70.00 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Weir Link: RSR3000

Scenario:	Alt3	Bottom Clip
From Node:	NSR3000	Default: 0.00 ft
To Node:	NSR3005	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:
Geometry Type:	Rectangular	Ref Node:
Invert:	14.42 ft	Discharge Coefficients
Control Elevation:	14.42 ft	Weir Default: 3.200
Max Depth:	3.28 ft	Weir Table:
Max Width:	1.75 ft	Orifice Default: 0.600
Fillet:	0.00 ft	Orifice Table:

Comment:

Weir Link: RSR3000A

Scenario:	Alt3	Bottom Clip
From Node:	NSR3000	Default: 0.00 ft
To Node:	NSR3005	Op Table:
Link Count:	1	Ref Node:
Flow Direction:	Both	Top Clip
Damping:	0.0000 ft	Default: 0.00 ft
Weir Type:	Sharp Crested Vertical	Op Table:

Geometry Type: Rectangular
 Invert: 15.08 ft
 Control Elevation: 15.08 ft
 Max Depth: 2.62 ft
 Max Width: 3.08 ft
 Fillet: 0.00 ft

Ref Node:

Discharge Coefficients

Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: RSR3000OWA

Scenario: Alt3
 From Node: NSR3000
 To Node: NSR1870
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Rectangular
 Invert: 17.00 ft
 Control Elevation: 17.00 ft
 Max Depth: 9999.00 ft
 Max Width: 50.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RSR3001

Scenario: Alt3
 From Node: NSR3005
 To Node: NSR1870
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 144.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.50
 Exit Loss Coef: 0.50
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 14.05 ft
 Manning's N: 0.0130
 Geometry: Horizontal Ellipse
 Max Depth: 1.17 ft

Downstream

Invert: 12.62 ft
 Manning's N: 0.0130
 Geometry: Horizontal Ellipse
 Max Depth: 1.17 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: RSR3020	Upstream	Downstream
Scenario: Alt3	Invert: 13.17 ft	Invert: 11.94 ft
From Node: NSR3020	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR3040	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 615.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: RSR3020OW	Upstream	Downstream
Scenario: Alt3	Invert: 17.50 ft	Invert: 15.50 ft
From Node: NSR3020	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR3040	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_20FT_FULL	Cross Section: LOCAL_20FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 420.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		
Comment:		

Channel Link: RSR3020OWA	Upstream	Downstream
Scenario: Alt3	Invert: 17.60 ft	Invert: 16.50 ft
From Node: NSR3020	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR3040	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CURB_25FT_HALF	Cross Section: CURB_25FT_HALF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 870.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		

Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: RSR3020OWB	Upstream	Downstream
Scenario: Alt3	Invert: 17.60 ft	Invert: 17.40 ft
From Node: NSR3020	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0881	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: LOCAL_30FT_FULL	Cross Section: LOCAL_30FT_FULL
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 150.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Channel Link: RSR3020OWC	Upstream	Downstream
Scenario: Alt3	Invert: 17.90 ft	Invert: 16.00 ft
From Node: NSR3020	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR1870	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CURB_25FT_HALF	Cross Section: CURB_25FT_HALF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 847.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR3040	Upstream	Downstream
Scenario: Alt3	Invert: 11.94 ft	Invert: 11.74 ft

From Node:	NSR3040	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	NSR0870	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	98.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: RSR3040OW

Scenario:	Alt3	Bottom Clip			
From Node:	NSR3040	Default:	0.00 ft		
To Node:	NSR0870	Op Table:			
Link Count:	1	Ref Node:			
Flow Direction:	Both	Top Clip			
Damping:	0.0000 ft	Default:	0.00 ft		
Weir Type:	Broad Crested Vertical	Op Table:			
Geometry Type:	Rectangular	Ref Node:			
Invert:	15.80 ft	Discharge Coefficients			
Control Elevation:	15.80 ft	Weir Default:	2.600		
Max Depth:	9999.00 ft	Weir Table:			
Max Width:	150.00 ft	Orifice Default:	0.600		
Fillet:	0.00 ft	Orifice Table:			

Comment:

Channel Link: RSR3040OWA

		Upstream		Downstream	
Scenario:	Alt3	Invert:	16.40 ft	Invert:	15.30 ft
From Node:	NSR3040	Manning's N:	0.0000	Manning's N:	0.0000
To Node:	NSR3060	Geometry:	Irregular	Geometry:	Irregular
Link Count:	1	Cross Section:	LOCAL_20FT_FULL	Cross Section:	LOCAL_20FT_FULL
Flow Direction:	Both				
Damping:	0.0000 ft				
Length:	579.00 ft				
Contraction Coef:	0.00				
Expansion Coef:	0.00				
Entr Loss Coef:	0.00				
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				

Energy Switch: Energy

Comment:

Channel Link: RSR3040OWB

	Upstream	Downstream
Scenario: Alt3	Invert: 16.50 ft	Invert: 15.50 ft
From Node: NSR3040	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR3060	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: HENDERSON_HALF	Cross Section: HENDERSON_HALF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 311.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Weir Link: RSR3040OWC

Scenario: Alt3	Bottom Clip
From Node: NSR3040	Default: 0.00 ft
To Node: NSR0880	Op Table:
Link Count: 1	Ref Node:
Flow Direction: Both	Top Clip
Damping: 0.0000 ft	Default: 0.00 ft
Weir Type: Broad Crested Vertical	Op Table:
Geometry Type: Rectangular	Ref Node:
Invert: 16.20 ft	Discharge Coefficients
Control Elevation: 16.20 ft	Weir Default: 2.600
Max Depth: 9999.00 ft	Weir Table:
Max Width: 200.00 ft	Orifice Default: 0.600
Fillet: 0.00 ft	Orifice Table:

Comment:

Channel Link: RSR3041OWA

	Upstream	Downstream
Scenario: Alt3	Invert: 17.60 ft	Invert: 16.30 ft
From Node: NBW2690	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR0881	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: CURB_25FT_FULL	Cross Section: CURB_25FT_FULL
Flow Direction: Both		

Damping: 0.0000 ft
Length: 530.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Comment:

Channel Link: RSR3041OWB**Upstream****Downstream**

Scenario: Alt3	Invert: 17.10 ft	Invert: 16.00 ft
From Node: NSR0881	Manning's N: 0.0000	Manning's N: 0.0000
To Node: NSR3040	Geometry: Irregular	Geometry: Irregular
Link Count: 1	Cross Section: HENDERSON_HALF	Cross Section: HENDERSON_HALF
Flow Direction: Both		
Damping: 0.0000 ft		
Length: 895.00 ft		
Contraction Coef: 0.00		
Expansion Coef: 0.00		
Entr Loss Coef: 0.00		
Exit Loss Coef: 0.00		
Bend Loss Coef: 0.00		
Bend Location: 0.00 dec		
Energy Switch: Energy		

Comment:

Pipe Link: RSR3060**Upstream****Downstream**

Scenario: Alt3	Invert: 11.95 ft	Invert: 11.86 ft
From Node: NSR3060	Manning's N: 0.0130	Manning's N: 0.0130
To Node: NSR0840	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.25 ft	Max Depth: 1.25 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 43.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.50	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: RSR3060OW

Scenario: Alt3
From Node: NSR3060
To Node: NSR0840
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 15.80 ft
Control Elevation: 15.80 ft
Max Depth: 9999.00 ft
Max Width: 20.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Channel Link: RSR3060OWA

Scenario: Alt3
From Node: NSR3060
To Node: NSR1510
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 332.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 15.60 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: LOCAL_20FT_FULL

Downstream

Invert: 14.30 ft
Manning's N: 0.0000
Geometry: Irregular
Cross Section: LOCAL_20FT_FULL

Comment:

Weir Link: RSR0430OWA

Scenario: Alt3
From Node: NSR0430
To Node: NSR0390
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 13.14 ft
Control Elevation: 13.14 ft
Max Depth: 9999.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:

Max Width: 80.00 ft
 Fillet: 0.00 ft

Orifice Default: 0.600
 Orifice Table:

Comment:

Pipe Link: RSW0030

Scenario: Alt3
 From Node: NSW0030
 To Node: NSW0010
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 130.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 1.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: -0.69 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 2.50 ft

Downstream

Invert: -0.97 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: RSW0050

Scenario: Alt3
 From Node: NSW0050
 To Node: NSW0030
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 507.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.20
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 0.39 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 2.50 ft

Downstream

Invert: -0.69 ft
 Manning's N: 0.0120
 Geometry: Circular
 Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: SL15(2)

Scenario: Alt3
 From Node: Lois

Upstream

Invert: 3.63 ft
 Manning's N: 0.0140

Downstream

Invert: 1.63 ft
 Manning's N: 0.0140

To Node:	Hubert	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Max Width: 4.00 ft	Max Width: 4.00 ft
Damping:	0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	636.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.00	Op Table:	Op Table:
Exit Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip	
Energy Switch:	Energy	Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: SR1670OW	Upstream	Downstream
Scenario: Alt3	Invert: 15.83 ft	Invert: 14.93 ft
From Node: NSR1670	Manning's N: 0.0200	Manning's N: 0.0200
To Node: NBB0430	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal
Damping: 0.0000	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length: 1220.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: ShamBox1.1	Upstream	Downstream
Scenario: Alt3	Invert: -0.22 ft	Invert: -0.64 ft
From Node: Shmrck1.1	Manning's N: 0.0140	Manning's N: 0.0140
To Node: Shmrck1.2	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Max Width: 5.00 ft	Max Width: 5.00 ft
Damping: 0.0000	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 326.00 ft	Bottom Clip	

FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: ShamBox1.2

	Upstream	Downstream
Scenario:	Alt3	Alt3
Invert:	-0.64 ft	-1.12 ft
From Node:	Shmrck1.2	
Manning's N:	0.0140	0.0140
To Node:	Shamrock2	
Geometry:	Rectangular	Rectangular
Link Count:	1	
Max Depth:	4.00 ft	4.00 ft
Flow Direction:	Both	
Max Width:	5.00 ft	5.00 ft
Damping:	0.0000 ft	
Fillet:	0.00 ft	0.00 ft
Length:	288.00 ft	
	Bottom Clip	
FHWA Code:	0	0
Default:	0.00 ft	0.00 ft
Entr Loss Coef:	0.00	0.00
Op Table:		
Exit Loss Coef:	0.00	0.00
Ref Node:		
Bend Loss Coef:	0.00	0.00
Manning's N:	0.0000	0.0000
Bend Location:	0.00 dec	
	Top Clip	
Energy Switch:	Energy	
Default:	0.00 ft	0.00 ft
Op Table:		
Ref Node:		
Manning's N:	0.0000	0.0000

Comment:

Pipe Link: ShamBox2.1

	Upstream	Downstream
Scenario:	Alt3	Alt3
Invert:	-0.22 ft	-0.64 ft
From Node:	Shmrck1.1	
Manning's N:	0.0140	0.0140
To Node:	Shmrck1.2	
Geometry:	Rectangular	Rectangular
Link Count:	1	
Max Depth:	4.00 ft	4.00 ft
Flow Direction:	Both	
Max Width:	5.00 ft	5.00 ft
Damping:	0.0000 ft	
Fillet:	0.00 ft	0.00 ft
Length:	326.00 ft	
	Bottom Clip	
FHWA Code:	0	0
Default:	0.00 ft	0.00 ft
Entr Loss Coef:	0.00	0.00
Op Table:		
Exit Loss Coef:	0.00	0.00
Ref Node:		
Bend Loss Coef:	0.00	0.00
Manning's N:	0.0000	0.0000
Bend Location:	0.00 dec	
	Top Clip	
Energy Switch:	Energy	
Default:	0.00 ft	0.00 ft
Op Table:		

Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Comment:	

Pipe Link: ShamBox2.2	Upstream	Downstream
Scenario: Alt3	Invert: -0.64 ft	Invert: -1.12 ft
From Node: Shmrck1.2	Manning's N: 0.0140	Manning's N: 0.0140
To Node: Shamrock2	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Max Width: 5.00 ft	Max Width: 5.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 288.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: SI14(2)	Upstream	Downstream
Scenario: Alt3	Invert: 1.63 ft	Invert: 1.14 ft
From Node: Hubert	Manning's N: 0.0140	Manning's N: 0.0140
To Node: M5.1	Geometry: Rectangular	Geometry: Rectangular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Max Width: 5.00 ft	Max Width: 5.00 ft
Damping: 0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length: 597.00 ft	Bottom Clip	
FHWA Code: 0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef: 0.00	Op Table:	Op Table:
Exit Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location: 0.00 dec	Top Clip	
Energy Switch: Energy	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: VascOW		Upstream	Downstream
Scenario:	Alt3	Invert: 4.63 ft	Invert: 4.23 ft
From Node:	M4	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	H1	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction:	Both	Extrapolation: Normal	Extrapolation: Normal
Damping:	0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length:	850.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef:	0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip	
Entr Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef:	0.00	Op Table:	Op Table:
Bend Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Location:	0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch:	Energy	Top Clip	
		Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Weir Link: W01		Bottom Clip
Scenario:	Alt3	Default: 0.00 ft
From Node:	N01	Op Table:
To Node:	N01A	Ref Node:
Link Count:	1	Top Clip
Flow Direction:	Both	Default: 0.00 ft
Damping:	0.0000 ft	Op Table:
Weir Type:	Sharp Crested Vertical	Ref Node:
Geometry Type:	Rectangular	Discharge Coefficients
Invert:	17.65 ft	Weir Default: 3.200
Control Elevation:	17.65 ft	Weir Table:
Max Depth:	2.37 ft	Orifice Default: 0.600
Max Width:	2.00 ft	Orifice Table:
Fillet:	0.00 ft	

Comment: CS-5A from Selmon plans

Weir Link: W01B		Bottom Clip
Scenario:	Alt3	Default: 0.00 ft
From Node:	N01	Op Table:
To Node:	N01A	Ref Node:
Link Count:	1	Top Clip
Flow Direction:	Both	Default: 0.00 ft
Damping:	0.0000 ft	Op Table:
Weir Type:	Horizontal	

Geometry Type: Rectangular
Invert: 20.02 ft
Control Elevation: 20.02 ft
Max Depth: 4.33 ft
Max Width: 3.33 ft
Fillet: 0.00 ft

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: CS-5A from Selmon plans

Weir Link: W01C

Scenario: Alt3

From Node: N01

To Node: N04

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Sharp Crested Vertical

Geometry Type: Rectangular

Invert: 18.00 ft

Control Elevation: 18.00 ft

Max Depth: 1.20 ft

Max Width: 1.00 ft

Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: CS-5B from Selmon plans

Weir Link: W01D

Scenario: Alt3

From Node: N01

To Node: N04

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Horizontal

Geometry Type: Rectangular

Invert: 19.20 ft

Control Elevation: 19.20 ft

Max Depth: 3.00 ft

Max Width: 2.33 ft

Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: CS-5B from Selmon plans

Weir Link: WCypEast

Scenario: Alt3
From Node: NCL4010
To Node: NCypEast
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 29.00 ft
Control Elevation: 29.00 ft
Cross Section: XCypEast

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: WCypWest

Scenario: Alt3
From Node: NCL4000
To Node: NCypWest
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 29.93 ft
Control Elevation: 29.93 ft
Cross Section: XCypWest

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: WRU0390

Scenario: Alt3
From Node: NRU0390
To Node: NRU0380
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 17.28 ft
Control Elevation: 17.28 ft
Max Depth: 1.22 ft
Max Width: 3.67 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Fillet: 0.00 ft

Orifice Table:

Comment: Added per ERP 21192 (page 18, 35)

Weir Link: WRU0390B

Scenario: Alt3

From Node: NRU0390

To Node: NRU0380

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Sharp Crested Vertical

Geometry Type: Rectangular

Invert: 18.50 ft

Control Elevation: 18.50 ft

Max Depth: 9999.00 ft

Max Width: 14.17 ft

Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment: Added per ERP 21192 (page 18, 35)

Weir Link: WRU0990

Scenario: Alt3

From Node: NRU0990

To Node: NRU0980

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Rectangular

Invert: 16.04 ft

Control Elevation: 16.04 ft

Max Depth: 2.10 ft

Max Width: 5.00 ft

Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: WRU1020

Scenario: Alt3

From Node: STORAGE12

To Node: NRU1020

Link Count: 1

Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 15.14 ft
Control Elevation: 15.14 ft
Max Depth: 4.10 ft
Max Width: 50.00 ft
Fillet: 0.00 ft

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Updated per ERP1978

Weir Link: WRU1020B

Scenario: Alt3
From Node: NRU1020
To Node: NRU1025
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 16.14 ft
Control Elevation: 16.14 ft
Max Depth: 0.67 ft
Max Width: 1.75 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Updated per ERP 19758

Weir Link: WRU1020C

Scenario: Alt3
From Node: NRU1020
To Node: NRU1025
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 19.34 ft
Control Elevation: 19.34 ft
Max Depth: 0.70 ft
Max Width: 3.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Updated per ERP 19758

Weir Link: WRU1035

Scenario: Alt3
From Node: STORAGE13
To Node: NRU1035
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 16.24 ft
Control Elevation: 16.24 ft
Max Depth: 3.70 ft
Max Width: 50.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Updated per ERP 20364

Weir Link: WRU1035B

Scenario: Alt3
From Node: NRU1035
To Node: NRU1037
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Circular
Invert: 16.91 ft
Control Elevation: 16.91 ft
Max Depth: 0.58 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Updated per ERP 20364

Weir Link: WRU1035C

Scenario: Alt3
From Node: NRU1035
To Node: NRU1037
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 19.94 ft
Control Elevation: 19.94 ft
Max Depth: 2.20 ft
Max Width: 14.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600

Fillet: 0.00 ft

Orifice Table:

Comment: Updated per ERP 20364

Weir Link: WRU1036

Scenario: Alt3

From Node: NRU1036

To Node: NRU1030

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Sharp Crested Vertical

Geometry Type: Rectangular

Invert: 16.04 ft

Control Elevation: 16.04 ft

Max Depth: 0.75 ft

Max Width: 8.00 ft

Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 2.800

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: WRU1188

Scenario: Alt3

From Node: NRU1188

To Node: NRU1184

Link Count: 1

Flow Direction: Both

Damping: 0.0000 ft

Weir Type: Broad Crested Vertical

Geometry Type: Rectangular

Invert: 18.00 ft

Control Elevation: 18.00 ft

Max Depth: 9999.00 ft

Max Width: 10.00 ft

Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: WRU1225

Scenario: Alt3

From Node: STORAGE14

To Node: NRU1225

Link Count: 1

Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 19.44 ft
Control Elevation: 19.44 ft
Max Depth: 4.00 ft
Max Width: 27.00 ft
Fillet: 0.00 ft

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: See ERP 11814

Weir Link: WRU1225B

Scenario: Alt3
From Node: NRU1225
To Node: NRU1220
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 22.98 ft
Control Elevation: 22.98 ft
Cross Section: XOW850

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: WRU1225C

Scenario: Alt3
From Node: NRU1225
To Node: NRU1220
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 23.17 ft
Control Elevation: 23.17 ft
Cross Section: XOW851

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: WRU1225D

Scenario: Alt3
From Node: NRU1225
To Node: NSH80
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 23.10 ft
Control Elevation: 23.10 ft
Cross Section: XOW852

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: WSH02

Scenario: Alt3
From Node: STORAGE11
To Node: NSH02
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 16.54 ft
Control Elevation: 16.54 ft
Max Depth: 4.00 ft
Max Width: 50.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: WinnDixie vault per ERP 9274

Weir Link: WSH02B

Scenario: Alt3
From Node: NSH02
To Node: NSH60
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.12 ft
Control Elevation: 21.12 ft
Cross Section: XOW809

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: WSH02C

Scenario: Alt3
From Node: NSH02
To Node: NSH04
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.19 ft
Control Elevation: 21.19 ft
Cross Section: XOW807

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: WSH02D

Scenario: Alt3
From Node: NSH02
To Node: PondA
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.12 ft
Control Elevation: 21.12 ft
Cross Section: XOW808

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: WSH02E

Scenario: Alt3
From Node: NSH02
To Node: NSH03
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 20.63 ft
Control Elevation: 20.63 ft
Max Depth: 1.41 ft
Max Width: 2.99 ft
Fillet: 0.00 ft

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: ERP 9274

Weir Link: WSH28

Scenario: Alt3
From Node: NSH28
To Node: NSH31
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 8.00 ft
Control Elevation: 8.00 ft
Max Depth: 9999.00 ft
Max Width: 8.00 ft
Fillet: 0.00 ft

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: WSH49

Scenario: Alt3
From Node: NSH49
To Node: NSH83
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.25 ft
Control Elevation: 20.25 ft
Cross Section: XOW900

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: WSH53

Scenario: Alt3
From Node: NSH53
To Node: NSH53B
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 14.30 ft
Control Elevation: 14.30 ft
Max Depth: 2.00 ft
Max Width: 5.00 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: WSH60

Scenario: Alt3
From Node: STORAGE9
To Node: NSH60
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 16.14 ft
Control Elevation: 16.14 ft
Max Depth: 2.50 ft
Max Width: 2.50 ft
Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Updated per ERP 31682

Weir Link: WSH60B

Scenario: Alt3
From Node: NSH60
To Node: NSH61
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Sharp Crested Vertical
Geometry Type: Rectangular
Invert: 17.25 ft
Control Elevation: 17.25 ft
Max Depth: 3.11 ft
Max Width: 2.00 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600

Fillet: 0.00 ft

Orifice Table:

Comment: Updated per ERP 31682

Weir Link: WSH60C

Scenario: Alt3
From Node: NSH60
To Node: NSH50
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 20.56 ft
Control Elevation: 20.56 ft
Cross Section: XOW804

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: WSH60D

Scenario: Alt3
From Node: NSH60
To Node: NSH04
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Paved Road Vertical
Geometry Type: Irregular
Invert: 21.02 ft
Control Elevation: 21.02 ft
Cross Section: XOW805

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Discharge Coefficients

Weir Default: 3.200

Weir Table:

Orifice Default: 0.600

Orifice Table:

Comment:

Weir Link: WSH65

Scenario: Alt3
From Node: STORAGE10
To Node: NSH65
Link Count: 1
Flow Direction: Both

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Top Clip

Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Rectangular
Invert: 18.59 ft
Control Elevation: 18.59 ft
Max Depth: 2.50 ft
Max Width: 2.50 ft
Fillet: 0.00 ft

Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Updated per ERP 28940

Weir Link: WSH65B

Scenario: Alt3
From Node: NSH65
To Node: NSH50
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 22.61 ft
Control Elevation: 22.61 ft
Cross Section: XOW806

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment: Updated per ERP 28940

Weir Link: WSH81

Scenario: Alt3
From Node: NSH81
To Node: NSH49
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 20.76 ft
Control Elevation: 20.76 ft
Cross Section: XOW902

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:
Top Clip
Default: 0.00 ft
Op Table:
Ref Node:
Discharge Coefficients
Weir Default: 2.600
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: WSH82

Scenario: Alt3
 From Node: NSH82
 To Node: NSH49
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Broad Crested Vertical
 Geometry Type: Irregular
 Invert: 20.74 ft
 Control Elevation: 20.74 ft
 Cross Section: XOW901

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 2.600
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment:

Weir Link: Weir_NCL3250

Scenario: Alt3
 From Node: NCL3250A
 To Node: NCL3250
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Weir Type: Sharp Crested Vertical
 Geometry Type: Rectangular
 Invert: 12.00 ft
 Control Elevation: 12.00 ft
 Max Depth: 3.00 ft
 Max Width: 8.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Discharge Coefficients

Weir Default: 3.200
 Weir Table:
 Orifice Default: 0.600
 Orifice Table:

Comment: Proposed internal weir

Channel Link: gutter11.1

Scenario: Alt3
 From Node: L6
 To Node: V3
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 292.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00

Upstream

Invert: 6.93 ft
 Manning's N: 0.0200
 Geometry: Trapezoidal
 Max Depth: 0.50 ft
 Extrapolation: Normal
 Bottom Width: 25.00 ft
 Left Slope: 1.000 (h:v)
 Right Slope: 1.000 (h:v)

Downstream

Invert: 6.53 ft
 Manning's N: 0.0200
 Geometry: Trapezoidal
 Max Depth: 0.50 ft
 Extrapolation: Normal
 Bottom Width: 25.00 ft
 Left Slope: 1.000 (h:v)
 Right Slope: 1.000 (h:v)

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:

Default: 0.00 ft
 Op Table:
 Ref Node:

Bend Location: 0.00 dec Manning's N: 0.0000 Manning's N: 0.0000
 Energy Switch: Energy

Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutter12.1

Scenario: Alt3
 From Node: L5
 To Node: L6
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 286.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream	Downstream
Invert: 7.63 ft	Invert: 6.93 ft
Manning's N: 0.0200	Manning's N: 0.0200
Geometry: Trapezoidal	Geometry: Trapezoidal
Max Depth: 0.50 ft	Max Depth: 0.50 ft
Extrapolation: Normal	Extrapolation: Normal
Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)

Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutter12.2

Scenario: Alt3
 From Node: L4
 To Node: L5
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 286.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream	Downstream
Invert: 8.43 ft	Invert: 7.63 ft
Manning's N: 0.0200	Manning's N: 0.0200
Geometry: Trapezoidal	Geometry: Trapezoidal
Max Depth: 0.50 ft	Max Depth: 0.50 ft
Extrapolation: Normal	Extrapolation: Normal
Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)

Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Top Clip	
Default: 0.00 ft	Default: 0.00 ft

Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Comment:	

Channel Link: gutter13.1	Upstream	Downstream
Scenario: Alt3	Invert: 6.33 ft	Invert: 6.13 ft
From Node: M1.1	Manning's N: 0.0200	Manning's N: 0.0200
To Node: M1	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal
Damping: 0.0000 ft	Bottom Width: 50.00 ft	Bottom Width: 50.00 ft
Length: 250.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Channel Link: gutter13.2	Upstream	Downstream
Scenario: Alt3	Invert: 7.03 ft	Invert: 6.33 ft
From Node: M1.2	Manning's N: 0.0200	Manning's N: 0.0200
To Node: M1.1	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal
Damping: 0.0000 ft	Bottom Width: 50.00 ft	Bottom Width: 50.00 ft
Length: 214.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutter13.3	Upstream	Downstream
Scenario: Alt3	Invert: 7.13 ft	Invert: 7.03 ft
From Node: M1.3	Manning's N: 0.0200	Manning's N: 0.0200
To Node: M1.2	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal
Damping: 0.0000 ft	Bottom Width: 50.00 ft	Bottom Width: 50.00 ft
Length: 236.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutter13.4	Upstream	Downstream
Scenario: Alt3	Invert: 10.43 ft	Invert: 8.43 ft
From Node: L3	Manning's N: 0.0200	Manning's N: 0.0200
To Node: L4	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal
Damping: 0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length: 300.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutter13.5		Upstream	Downstream
Scenario:	Alt3	Invert: 11.63 ft	Invert: 10.43 ft
From Node:	L2	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	L3	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction:	Both	Extrapolation: Normal	Extrapolation: Normal
Damping:	0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length:	252.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef:	0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip	
Entr Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef:	0.00	Op Table:	Op Table:
Bend Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Location:	0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch:	Energy	Top Clip	
		Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: gutter13.6		Upstream	Downstream
Scenario:	Alt3	Invert: 11.53 ft	Invert: 11.63 ft
From Node:	L1	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	L2	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction:	Both	Extrapolation: Normal	Extrapolation: Normal
Damping:	0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length:	212.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef:	0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip	
Entr Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef:	0.00	Op Table:	Op Table:
Bend Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Location:	0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch:	Energy	Top Clip	
		Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: gutter19.1		Upstream	Downstream
Scenario:	Alt3	Invert: 12.83 ft	Invert: 6.53 ft
From Node:	G9	Manning's N: 0.0200	Manning's N: 0.0200

To Node: V3
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 1500.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Geometry: Trapezoidal	Geometry: Trapezoidal
Max Depth: 0.50 ft	Max Depth: 0.50 ft
Extrapolation: Normal	Extrapolation: Normal
Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutter19.2

Scenario: Alt3
 From Node: G9
 To Node: Clark2
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 940.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream	Downstream
Invert: 12.83 ft	Invert: 7.93 ft
Manning's N: 0.0200	Manning's N: 0.0200
Geometry: Trapezoidal	Geometry: Trapezoidal
Max Depth: 0.50 ft	Max Depth: 0.50 ft
Extrapolation: Normal	Extrapolation: Normal
Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutter20.1

Scenario: Alt3
 From Node: G8
 To Node: L6
 Link Count: 1
 Flow Direction: Both

Upstream	Downstream
Invert: 12.93 ft	Invert: 6.93 ft
Manning's N: 0.0200	Manning's N: 0.0200
Geometry: Trapezoidal	Geometry: Trapezoidal
Max Depth: 0.50 ft	Max Depth: 0.50 ft
Extrapolation: Normal	Extrapolation: Normal

Damping:	0.0000 ft	Bottom Width:	25.00 ft	Bottom Width:	25.00 ft
Length:	1500.00 ft	Left Slope:	1.000 (h:v)	Left Slope:	1.000 (h:v)
Contraction Coef:	0.00	Right Slope:	1.000 (h:v)	Right Slope:	1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: gutter21.1

Scenario: Alt3	Upstream		Downstream	
	Invert:	13.83 ft	Invert:	8.43 ft
From Node: G7	Manning's N:	0.0200	Manning's N:	0.0200
To Node: L4	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count: 1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction: Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping: 0.0000 ft	Bottom Width:	25.00 ft	Bottom Width:	25.00 ft
Length: 1500.00 ft	Left Slope:	1.000 (h:v)	Left Slope:	1.000 (h:v)
Contraction Coef: 0.00	Right Slope:	1.000 (h:v)	Right Slope:	1.000 (h:v)
Expansion Coef: 0.00	Bottom Clip			
Entr Loss Coef: 0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef: 0.00	Op Table:		Op Table:	
Bend Loss Coef: 0.00	Ref Node:		Ref Node:	
Bend Location: 0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch: Energy	Top Clip			

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: gutter23.1

Scenario: Alt3	Upstream		Downstream	
	Invert:	13.43 ft	Invert:	10.43 ft
From Node: G5	Manning's N:	0.0200	Manning's N:	0.0200
To Node: L3	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count: 1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction: Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping: 0.0000 ft	Bottom Width:	25.00 ft	Bottom Width:	25.00 ft
Length: 1500.00 ft	Left Slope:	1.000 (h:v)	Left Slope:	1.000 (h:v)
Contraction Coef: 0.00	Right Slope:	1.000 (h:v)	Right Slope:	1.000 (h:v)

Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutter24.1	Upstream	Downstream
Scenario: Alt3	Invert: 14.23 ft	Invert: 11.53 ft
From Node: G4	Manning's N: 0.0200	Manning's N: 0.0200
To Node: L1	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal
Damping: 0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length: 1500.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutter31.2	Upstream	Downstream
Scenario: Alt3	Invert: 14.73 ft	Invert: 12.93 ft
From Node: DM2	Manning's N: 0.0200	Manning's N: 0.0200
To Node: G8	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal
Damping: 0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length: 1400.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:

Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	

Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutter32.1

Upstream

Downstream

Scenario: Alt3	Invert: 15.23 ft	Invert: 13.43 ft
From Node: DM1	Manning's N: 0.0200	Manning's N: 0.0200
To Node: G5	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal
Damping: 0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length: 1400.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	

Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutter32.2

Upstream

Downstream

Scenario: Alt3	Invert: 15.23 ft	Invert: 12.73 ft
From Node: DM1	Manning's N: 0.0200	Manning's N: 0.0200
To Node: G6	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal
Damping: 0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length: 1050.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: gutterL1

Scenario: Alt3
From Node: L1
To Node: M1.3
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 1300.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 11.53 ft
Manning's N: 0.0200
Geometry: Trapezoidal
Max Depth: 0.50 ft
Extrapolation: Normal
Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)

Downstream

Invert: 7.13 ft
Manning's N: 0.0200
Geometry: Trapezoidal
Max Depth: 0.50 ft
Extrapolation: Normal
Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: gutterL2

Scenario: Alt3
From Node: L2
To Node: M1.2
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 1300.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 11.63 ft
Manning's N: 0.0200
Geometry: Trapezoidal
Max Depth: 0.50 ft
Extrapolation: Normal
Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)

Downstream

Invert: 7.03 ft
Manning's N: 0.0200
Geometry: Trapezoidal
Max Depth: 0.50 ft
Extrapolation: Normal
Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Default: 0.00 ft
Op Table:
Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: gutterL3

Scenario: Alt3
 From Node: L3
 To Node: M1.1
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 1300.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 10.43 ft
 Manning's N: 0.0200
 Geometry: Trapezoidal
 Max Depth: 0.50 ft
 Extrapolation: Normal
 Bottom Width: 25.00 ft
 Left Slope: 1.000 (h:v)
 Right Slope: 1.000 (h:v)

Downstream

Invert: 6.33 ft
 Manning's N: 0.0200
 Geometry: Trapezoidal
 Max Depth: 0.50 ft
 Extrapolation: Normal
 Bottom Width: 25.00 ft
 Left Slope: 1.000 (h:v)
 Right Slope: 1.000 (h:v)

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: gutterL4

Scenario: Alt3
 From Node: L4
 To Node: M2
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 1580.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 8.43 ft
 Manning's N: 0.0200
 Geometry: Trapezoidal
 Max Depth: 0.50 ft
 Extrapolation: Normal
 Bottom Width: 25.00 ft
 Left Slope: 1.000 (h:v)
 Right Slope: 1.000 (h:v)

Downstream

Invert: 5.53 ft
 Manning's N: 0.0200
 Geometry: Trapezoidal
 Max Depth: 0.50 ft
 Extrapolation: Normal
 Bottom Width: 25.00 ft
 Left Slope: 1.000 (h:v)
 Right Slope: 1.000 (h:v)

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: gutterL5		Upstream	Downstream
Scenario:	Alt3	Invert: 7.63 ft	Invert: 5.53 ft
From Node:	L5	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	M2	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction:	Both	Extrapolation: Normal	Extrapolation: Normal
Damping:	0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length:	1300.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef:	0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip	
Entr Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef:	0.00	Op Table:	Op Table:
Bend Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Location:	0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch:	Energy	Top Clip	
		Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: gutterL6		Upstream	Downstream
Scenario:	Alt3	Invert: 6.93 ft	Invert: 5.13 ft
From Node:	L6	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	M3	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction:	Both	Extrapolation: Normal	Extrapolation: Normal
Damping:	0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length:	1300.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef:	0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip	
Entr Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef:	0.00	Op Table:	Op Table:
Bend Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Location:	0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch:	Energy	Top Clip	
		Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: gutterSL10		Upstream	Downstream
Scenario:	Alt3	Invert: 4.63 ft	Invert: 5.43 ft
From Node:	M4	Manning's N: 0.0200	Manning's N: 0.0200

To Node: M5.1
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 175.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Geometry: Trapezoidal	Geometry: Trapezoidal
Max Depth: 0.50 ft	Max Depth: 0.50 ft
Extrapolation: Normal	Extrapolation: Normal
Bottom Width: 50.00 ft	Bottom Width: 50.00 ft
Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutterSL11

Scenario: Alt3
 From Node: M3
 To Node: M4
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 300.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream	Downstream
Invert: 5.13 ft	Invert: 4.63 ft
Manning's N: 0.0200	Manning's N: 0.0200
Geometry: Trapezoidal	Geometry: Trapezoidal
Max Depth: 0.50 ft	Max Depth: 0.50 ft
Extrapolation: Normal	Extrapolation: Normal
Bottom Width: 50.00 ft	Bottom Width: 50.00 ft
Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutterSL12

Scenario: Alt3
 From Node: M2
 To Node: M3
 Link Count: 1
 Flow Direction: Both

Upstream	Downstream
Invert: 5.53 ft	Invert: 5.13 ft
Manning's N: 0.0200	Manning's N: 0.0200
Geometry: Trapezoidal	Geometry: Trapezoidal
Max Depth: 0.50 ft	Max Depth: 0.50 ft
Extrapolation: Normal	Extrapolation: Normal

Damping:	0.0000 ft	Bottom Width:	50.00 ft	Bottom Width:	50.00 ft
Length:	292.00 ft	Left Slope:	1.000 (h:v)	Left Slope:	1.000 (h:v)
Contraction Coef:	0.00	Right Slope:	1.000 (h:v)	Right Slope:	1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: gutterSL13		Upstream		Downstream	
Scenario:	Alt3	Invert:	6.13 ft	Invert:	5.53 ft
From Node:	M1	Manning's N:	0.0200	Manning's N:	0.0200
To Node:	M2	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	50.00 ft	Bottom Width:	50.00 ft
Length:	360.00 ft	Left Slope:	1.000 (h:v)	Left Slope:	1.000 (h:v)
Contraction Coef:	0.00	Right Slope:	1.000 (h:v)	Right Slope:	1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			

Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: gutterSL14		Upstream		Downstream	
Scenario:	Alt3	Invert:	5.33 ft	Invert:	5.43 ft
From Node:	Hubert	Manning's N:	0.0200	Manning's N:	0.0200
To Node:	M5.1	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	25.00 ft	Bottom Width:	25.00 ft
Length:	597.00 ft	Left Slope:	1.000 (h:v)	Left Slope:	1.000 (h:v)
Contraction Coef:	0.00	Right Slope:	1.000 (h:v)	Right Slope:	1.000 (h:v)

Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutterSL15	Upstream	Downstream
Scenario: Alt3	Invert: 6.73 ft	Invert: 5.33 ft
From Node: Lois	Manning's N: 0.0200	Manning's N: 0.0200
To Node: Hubert	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal
Damping: 0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length: 636.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutterSL16	Upstream	Downstream
Scenario: Alt3	Invert: 7.93 ft	Invert: 6.73 ft
From Node: Clark2	Manning's N: 0.0200	Manning's N: 0.0200
To Node: Lois	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal
Damping: 0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length: 642.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:

Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	

Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutterSL17

	Upstream	Downstream
Scenario: Alt3	Invert: 8.93 ft	Invert: 7.93 ft
From Node: Clark1	Manning's N: 0.0200	Manning's N: 0.0200
To Node: Clark2	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal
Damping: 0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length: 445.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	

Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutterSL19

	Upstream	Downstream
Scenario: Alt3	Invert: 12.83 ft	Invert: 11.93 ft
From Node: G9	Manning's N: 0.0200	Manning's N: 0.0200
To Node: G10	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal
Damping: 0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length: 164.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: gutterSL20

Scenario: Alt3
From Node: G8
To Node: G9
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 295.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 12.93 ft
Manning's N: 0.0200
Geometry: Trapezoidal
Max Depth: 0.50 ft
Extrapolation: Normal
Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)

Downstream

Invert: 12.83 ft
Manning's N: 0.0200
Geometry: Trapezoidal
Max Depth: 0.50 ft
Extrapolation: Normal
Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Channel Link: gutterSL21

Scenario: Alt3
From Node: G7
To Node: G8
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Length: 559.00 ft
Contraction Coef: 0.00
Expansion Coef: 0.00
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec
Energy Switch: Energy

Upstream

Invert: 13.83 ft
Manning's N: 0.0200
Geometry: Trapezoidal
Max Depth: 0.50 ft
Extrapolation: Normal
Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)

Downstream

Invert: 12.93 ft
Manning's N: 0.0200
Geometry: Trapezoidal
Max Depth: 0.50 ft
Extrapolation: Normal
Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Default: 0.00 ft
Op Table:
Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Channel Link: gutterSL22

Scenario: Alt3
 From Node: G6
 To Node: G7
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 646.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 12.73 ft
 Manning's N: 0.0200
 Geometry: Trapezoidal
 Max Depth: 0.50 ft
 Extrapolation: Normal
 Bottom Width: 25.00 ft
 Left Slope: 1.000 (h:v)
 Right Slope: 1.000 (h:v)

Downstream

Invert: 13.83 ft
 Manning's N: 0.0200
 Geometry: Trapezoidal
 Max Depth: 0.50 ft
 Extrapolation: Normal
 Bottom Width: 25.00 ft
 Left Slope: 1.000 (h:v)
 Right Slope: 1.000 (h:v)

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: gutterSL23

Scenario: Alt3
 From Node: G5
 To Node: G7
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 304.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream

Invert: 13.43 ft
 Manning's N: 0.0200
 Geometry: Trapezoidal
 Max Depth: 0.50 ft
 Extrapolation: Normal
 Bottom Width: 25.00 ft
 Left Slope: 1.000 (h:v)
 Right Slope: 1.000 (h:v)

Downstream

Invert: 13.83 ft
 Manning's N: 0.0200
 Geometry: Trapezoidal
 Max Depth: 0.50 ft
 Extrapolation: Normal
 Bottom Width: 25.00 ft
 Left Slope: 1.000 (h:v)
 Right Slope: 1.000 (h:v)

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Channel Link: gutterSL24		Upstream	Downstream
Scenario:	Alt3	Invert: 14.23 ft	Invert: 13.43 ft
From Node:	G4	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	G5	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction:	Both	Extrapolation: Normal	Extrapolation: Normal
Damping:	0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length:	513.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef:	0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip	
Entr Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef:	0.00	Op Table:	Op Table:
Bend Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Location:	0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch:	Energy	Top Clip	
		Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: gutterSL25		Upstream	Downstream
Scenario:	Alt3	Invert: 14.53 ft	Invert: 14.23 ft
From Node:	G3	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	G4	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction:	Both	Extrapolation: Normal	Extrapolation: Normal
Damping:	0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length:	497.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef:	0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip	
Entr Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef:	0.00	Op Table:	Op Table:
Bend Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Location:	0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch:	Energy	Top Clip	
		Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Channel Link: gutterSL26		Upstream	Downstream
Scenario:	Alt3	Invert: 14.63 ft	Invert: 13.83 ft
From Node:	G2	Manning's N: 0.0200	Manning's N: 0.0200

To Node: G3
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 630.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Geometry: Trapezoidal	Geometry: Trapezoidal
Max Depth: 0.50 ft	Max Depth: 0.50 ft
Extrapolation: Normal	Extrapolation: Normal
Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutterSL27

Scenario: Alt3
 From Node: G1
 To Node: G3
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 468.00 ft
 Contraction Coef: 0.00
 Expansion Coef: 0.00
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream	Downstream
Invert: 14.03 ft	Invert: 13.83 ft
Manning's N: 0.0200	Manning's N: 0.0200
Geometry: Trapezoidal	Geometry: Trapezoidal
Max Depth: 0.50 ft	Max Depth: 0.50 ft
Extrapolation: Normal	Extrapolation: Normal
Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Bottom Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000
Top Clip	
Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutterSL29

Scenario: Alt3
 From Node: Church1
 To Node: Church2
 Link Count: 1
 Flow Direction: Both

Upstream	Downstream
Invert: 12.63 ft	Invert: 12.63 ft
Manning's N: 0.0200	Manning's N: 0.0200
Geometry: Trapezoidal	Geometry: Trapezoidal
Max Depth: 0.50 ft	Max Depth: 0.50 ft
Extrapolation: Normal	Extrapolation: Normal

Damping:	0.0000 ft	Bottom Width:	25.00 ft	Bottom Width:	25.00 ft
Length:	130.00 ft	Left Slope:	1.000 (h:v)	Left Slope:	1.000 (h:v)
Contraction Coef:	0.00	Right Slope:	1.000 (h:v)	Right Slope:	1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: gutterSL31		Upstream	Downstream
Scenario:	Alt3	Invert: 14.73 ft	Invert: 13.83 ft
From Node:	DM2	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	DM3	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction:	Both	Extrapolation: Normal	Extrapolation: Normal
Damping:	0.0000 ft	Bottom Width: 50.00 ft	Bottom Width: 50.00 ft
Length:	525.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef:	0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef:	0.00	Bottom Clip	
Entr Loss Coef:	0.00	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:	
Bend Loss Coef:	0.00	Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip	
		Default:	0.00 ft
		Op Table:	
		Ref Node:	
		Manning's N:	0.0000

Comment:

Channel Link: gutterSL32		Upstream	Downstream
Scenario:	Alt3	Invert: 15.23 ft	Invert: 14.73 ft
From Node:	DM1	Manning's N: 0.0200	Manning's N: 0.0200
To Node:	DM2	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count:	1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction:	Both	Extrapolation: Normal	Extrapolation: Normal
Damping:	0.0000 ft	Bottom Width: 50.00 ft	Bottom Width: 50.00 ft
Length:	785.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef:	0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)

Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutterSL4	Upstream	Downstream
Scenario: Alt3	Invert: 4.48 ft	Invert: 5.47 ft
From Node: Sevilla1	Manning's N: 0.0200	Manning's N: 0.0200
To Node: Sevilla3	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal
Damping: 0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length: 275.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft
	Op Table:	Op Table:
	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutterSL6	Upstream	Downstream
Scenario: Alt3	Invert: 4.23 ft	Invert: 4.73 ft
From Node: H1	Manning's N: 0.0200	Manning's N: 0.0200
To Node: H2.1	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal
Damping: 0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length: 175.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:

Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	

Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutterSL9

	Upstream	Downstream
Scenario: Alt3	Invert: 5.56 ft	Invert: 4.65 ft
From Node: M6	Manning's N: 0.0200	Manning's N: 0.0200
To Node: M5.1	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal
Damping: 0.0000 ft	Bottom Width: 50.00 ft	Bottom Width: 50.00 ft
Length: 150.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	

Default: 0.00 ft	Default: 0.00 ft
Op Table:	Op Table:
Ref Node:	Ref Node:
Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Channel Link: gutterV3

	Upstream	Downstream
Scenario: Alt3	Invert: 6.53 ft	Invert: 4.63 ft
From Node: V3	Manning's N: 0.0200	Manning's N: 0.0200
To Node: M4	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count: 1	Max Depth: 0.50 ft	Max Depth: 0.50 ft
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal
Damping: 0.0000 ft	Bottom Width: 25.00 ft	Bottom Width: 25.00 ft
Length: 1300.00 ft	Left Slope: 1.000 (h:v)	Left Slope: 1.000 (h:v)
Contraction Coef: 0.00	Right Slope: 1.000 (h:v)	Right Slope: 1.000 (h:v)
Expansion Coef: 0.00	Bottom Clip	
Entr Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Exit Loss Coef: 0.00	Op Table:	Op Table:
Bend Loss Coef: 0.00	Ref Node:	Ref Node:
Bend Location: 0.00 dec	Manning's N: 0.0000	Manning's N: 0.0000
Energy Switch: Energy	Top Clip	

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: pipeSL10

Scenario: Alt3
 From Node: M4
 To Node: M5.1
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 175.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream
 Invert: 1.58 ft
 Manning's N: 0.0140
 Geometry: Circular
 Max Depth: 2.00 ft

Downstream
 Invert: 1.14 ft
 Manning's N: 0.0140
 Geometry: Circular
 Max Depth: 2.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: pipeSL11

Scenario: Alt3
 From Node: M3
 To Node: M4
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 300.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream
 Invert: 1.74 ft
 Manning's N: 0.0140
 Geometry: Circular
 Max Depth: 2.00 ft

Downstream
 Invert: 1.58 ft
 Manning's N: 0.0140
 Geometry: Circular
 Max Depth: 2.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: pipeSL12

Scenario: Alt3

Upstream
 Invert: 2.13 ft

Downstream
 Invert: 1.74 ft

From Node:	M2	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	M3	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	292.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link:	pipeSL13	Upstream		Downstream	
Scenario:	Alt3	Invert:	2.46 ft	Invert:	2.01 ft
From Node:	M1	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	M2	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	360.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link:	pipeSL14	Upstream		Downstream	
Scenario:	Alt3	Invert:	1.63 ft	Invert:	1.14 ft
From Node:	Hubert	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	M5.1	Geometry:	Rectangular	Geometry:	Rectangular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Max Width:	5.00 ft	Max Width:	5.00 ft
Damping:	0.0000 ft	Fillet:	0.00 ft	Fillet:	0.00 ft
Length:	597.00 ft	Bottom Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			

Energy Switch: Energy

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: pipeSL15

Upstream

Downstream

Scenario: Alt3
 From Node: Lois
 To Node: Hubert
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 636.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 3.63 ft
 Manning's N: 0.0140
 Geometry: Rectangular
 Max Depth: 3.00 ft
 Max Width: 4.00 ft
 Fillet: 0.00 ft

Invert: 1.63 ft
 Manning's N: 0.0140
 Geometry: Rectangular
 Max Depth: 3.00 ft
 Max Width: 4.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: pipeSL16

Upstream

Downstream

Scenario: Alt3
 From Node: Clark2
 To Node: Lois
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 642.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 4.77 ft
 Manning's N: 0.0140
 Geometry: Rectangular
 Max Depth: 3.00 ft
 Max Width: 4.00 ft
 Fillet: 0.00 ft

Invert: 3.63 ft
 Manning's N: 0.0140
 Geometry: Rectangular
 Max Depth: 3.00 ft
 Max Width: 4.00 ft
 Fillet: 0.00 ft

Bottom Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Top Clip

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Default: 0.00 ft
 Op Table:
 Ref Node:
 Manning's N: 0.0000

Comment:

Pipe Link: pipeSL17		Upstream	Downstream
Scenario:	Alt3	Invert: 6.44 ft	Invert: 5.23 ft
From Node:	Clark1	Manning's N: 0.0140	Manning's N: 0.0140
To Node:	Clark2	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	445.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: pipeSL18		Upstream	Downstream
Scenario:	Alt3	Invert: 6.74 ft	Invert: 4.77 ft
From Node:	G10	Manning's N: 0.0140	Manning's N: 0.0140
To Node:	Clark2	Geometry: Rectangular	Geometry: Rectangular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Max Width: 4.00 ft	Max Width: 4.00 ft
Damping:	0.0000 ft	Fillet: 0.00 ft	Fillet: 0.00 ft
Length:	681.00 ft	Bottom Clip	
FHWA Code:	0	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.00	Op Table:	Op Table:
Exit Loss Coef:	0.00	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Bend Location:	0.00 dec	Top Clip	
Energy Switch:	Energy	Default: 0.00 ft	Default: 0.00 ft
		Op Table:	Op Table:
		Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: pipeSL19		Upstream	Downstream
Scenario:	Alt3	Invert: 6.95 ft	Invert: 6.74 ft
From Node:	G9	Manning's N: 0.0140	Manning's N: 0.0140
To Node:	G10	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	164.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: pipeSL20	Upstream	Downstream
Scenario: Alt3	Invert: 7.33 ft	Invert: 6.95 ft
From Node: G8	Manning's N: 0.0140	Manning's N: 0.0140
To Node: G9	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 295.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: pipeSL21	Upstream	Downstream
Scenario: Alt3	Invert: 8.07 ft	Invert: 7.33 ft
From Node: G7	Manning's N: 0.0140	Manning's N: 0.0140
To Node: G8	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 4.00 ft	Max Depth: 4.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 559.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: pipeSL22		Upstream	Downstream
Scenario:	Alt3	Invert: 9.24 ft	Invert: 8.51 ft
From Node:	G6	Manning's N: 0.0140	Manning's N: 0.0140
To Node:	G7	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	646.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: pipeSL23		Upstream	Downstream
Scenario:	Alt3	Invert: 8.47 ft	Invert: 8.07 ft
From Node:	G5	Manning's N: 0.0140	Manning's N: 0.0140
To Node:	G7	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	304.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: pipeSL24		Upstream	Downstream
Scenario:	Alt3	Invert: 9.15 ft	Invert: 8.47 ft
From Node:	G4	Manning's N: 0.0140	Manning's N: 0.0140
To Node:	G5	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	513.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: pipeSL25

	Upstream	Downstream
Scenario:	Alt3	Alt3
Invert:	9.79 ft	9.15 ft
From Node:	G3	G3
Manning's N:	0.0140	0.0140
To Node:	G4	G4
Geometry:	Circular	Circular
Link Count:	1	1
Max Depth:	3.00 ft	3.00 ft
Flow Direction:	Both	Both
Damping:	0.0000 ft	0.0000 ft
Length:	497.00 ft	497.00 ft
FHWA Code:	0	0
Entr Loss Coef:	0.00	0.00
Manning's N:	0.0000	0.0000
Exit Loss Coef:	0.00	0.00
Bend Loss Coef:	0.00	0.00
Bend Location:	0.00 dec	0.00 dec
Energy Switch:	Energy	Energy
Ref Node:		
Manning's N:	0.0000	0.0000

Comment:

Pipe Link: pipeSL26

	Upstream	Downstream
Scenario:	Alt3	Alt3
Invert:	12.37 ft	10.53 ft
From Node:	G2	G2
Manning's N:	0.0140	0.0140
To Node:	G3	G3
Geometry:	Circular	Circular
Link Count:	1	1
Max Depth:	1.00 ft	1.00 ft
Flow Direction:	Both	Both
Damping:	0.0000 ft	0.0000 ft
Length:	630.00 ft	630.00 ft
FHWA Code:	0	0
Entr Loss Coef:	0.00	0.00
Manning's N:	0.0000	0.0000
Exit Loss Coef:	0.00	0.00
Bend Loss Coef:	0.00	0.00
Bend Location:	0.00 dec	0.00 dec
Energy Switch:	Energy	Energy
Ref Node:		
Manning's N:	0.0000	0.0000

Comment:

Pipe Link: pipeSL27

	Upstream	Downstream
Scenario:	Alt3	Alt3
Invert:	10.39 ft	9.79 ft

From Node:	G1	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	G3	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	468.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: pipeSL29		Upstream		Downstream	
Scenario:	Alt3	Invert:	8.63 ft	Invert:	8.33 ft
From Node:	Church1	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	Church2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	130.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: pipeSL3			Upstream		Downstream	
Scenario:	Alt3		Invert:	1.23 ft	Invert:	0.83 ft
From Node:	Sevilla2		Manning's N:	0.0140	Manning's N:	0.0140
To Node:	Shamrock2		Geometry: Circular		Geometry: Circular	
Link Count:	1		Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both		Bottom Clip			
Damping:	0.0000 ft		Default:	0.00 ft	Default:	0.00 ft
Length:	175.00 ft		Op Table:		Op Table:	
FHWA Code:	0		Ref Node:		Ref Node:	
Entr Loss Coef:	0.00		Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00		Top Clip			
Bend Loss Coef:	0.00		Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec		Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: pipeSL31

Upstream

Downstream

Scenario: Alt3
 From Node: DM2
 To Node: DM3
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 525.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 9.36 ft
Manning's N: 0.0140Invert: 8.79 ft
Manning's N: 0.0140

Geometry: Circular

Geometry: Circular

Max Depth: 3.00 ft

Max Depth: 3.00 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: pipeSL32

Upstream

Downstream

Scenario: Alt3
 From Node: DM1
 To Node: DM2
 Link Count: 1
 Flow Direction: Both
 Damping: 0.0000 ft
 Length: 785.00 ft
 FHWA Code: 0
 Entr Loss Coef: 0.00
 Exit Loss Coef: 0.00
 Bend Loss Coef: 0.00
 Bend Location: 0.00 dec
 Energy Switch: Energy

Invert: 10.66 ft
Manning's N: 0.0140Invert: 9.36 ft
Manning's N: 0.0140

Geometry: Circular

Geometry: Circular

Max Depth: 2.50 ft

Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Default: 0.00 ft

Op Table:

Op Table:

Ref Node:

Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: pipeSL4

Upstream

Downstream

Scenario: Alt3
 From Node: Sevilla1
 To Node: Sevilla3

Invert: 1.13 ft
Manning's N: 0.0140Invert: 0.75 ft
Manning's N: 0.0140

Geometry: Horizontal Ellipse

Geometry: Horizontal Ellipse

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	237.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: pipeSL4.1	Upstream	Downstream
Scenario: Alt3	Invert: 0.72 ft	Invert: -0.09 ft
From Node: Sevilla3	Manning's N: 0.0140	Manning's N: 0.0140
To Node: Sevilla4	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 362.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: pipeSL4.2	Upstream	Downstream
Scenario: Alt3	Invert: -0.11 ft	Invert: -0.64 ft
From Node: Sevilla4	Manning's N: 0.0140	Manning's N: 0.0140
To Node: Shmrck1.2	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000	Default: 0.00 ft	Default: 0.00 ft
Length: 296.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: pipeSL6	Upstream	Downstream
Scenario: Alt3	Invert: 1.73 ft	Invert: 1.43 ft
From Node: H1	Manning's N: 0.0140	Manning's N: 0.0140
To Node: H2.1	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 105.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: pipeSL9	Upstream	Downstream
Scenario: Alt3	Invert: 1.34 ft	Invert: 1.14 ft
From Node: M6	Manning's N: 0.0140	Manning's N: 0.0140
To Node: M5.1	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 123.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

O.4 Proposed Model Results

DRAFT



Node Max Conditions [Alt3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
BC_N02	F3A100YR1D AY	0.00	18.00	0.0000	1.99	0.00	0
Church1	F3A100YR1D AY	8.77	10.78	0.0000	1.08	0.40	533
Church2	F3A100YR1D AY	8.77	10.78	0.0000	10.76	10.62	4390
Clark1	F3A100YR1D AY	7.21	8.28	0.0000	1.32	0.56	743
Clark2	F3A100YR1D AY	7.21	8.28	-0.0001	68.97	70.25	23070
DM1	F3A100YR1D AY	11.42	12.35	0.0000	12.43	12.39	1416
DM2	F3A100YR1D AY	10.30	11.12	0.0000	12.39	12.55	2201
DM3	F3A100YR1D AY	9.16	10.83	0.0000	12.55	10.76	2975
E_Outlet	F3A100YR1D AY	0.00	16.94	-0.0032	144.95	44.98	0
E_Outlet2	F3A100YR1D AY	0.00	17.00	0.0000	0.00	0.00	0
EIP_Hes.1	F3A100YR1D AY	1.99	4.76	0.0000	2.98	1.64	763
EIP_con.1	F3A100YR1D AY	2.18	5.02	0.0014	97.58	95.71	4221
EIPrad.1	F3A100YR1D AY	1.99	4.80	0.0000	2.15	1.56	17712
G1	F3A100YR1D AY	14.98	16.42	-0.0047	182.82	130.03	40657
G10	F3A100YR1D AY	8.77	10.73	-0.0001	69.00	68.97	4603
G2	F3A100YR1D AY	14.99	16.38	-0.0003	63.24	59.27	32943
G3	F3A100YR1D AY	14.86	16.35	-0.0006	186.55	186.30	27806
G4	F3A100YR1D AY	12.82	15.27	-0.0005	186.30	185.76	57269
G5	F3A100YR1D AY	11.69	14.13	-0.0003	116.42	110.78	48863
G6	F3A100YR1D AY	11.00	9.24	0.0000	15.95	0.00	0
G7	F3A100YR1D AY	11.00	12.68	0.0000	76.25	75.44	3601
G8	F3A100YR1D AY	10.07	11.61	0.0000	61.69	60.88	2143
G9	F3A100YR1D AY	9.41	11.04	0.0001	60.88	59.97	1353

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
H1	F3A100YR1D AY	1.99	5.42	-0.0002	48.34	48.26	16497
H2.1	F3A100YR1D AY	1.99	4.76	-0.0007	142.79	147.44	6105
Hubert	F3A100YR1D AY	3.16	5.75	-0.0001	68.63	73.55	19864
JUNCT1	F3A100YR1D AY	0.00	13.98	0.0000	1.21	1.19	1409
JUNCT10	F3A100YR1D AY	0.00	22.28	0.0000	86.45	86.36	11102
JUNCT2	F3A100YR1D AY	0.00	14.36	0.0000	27.70	27.64	2759
JUNCT3	F3A100YR1D AY	0.00	20.01	0.0000	10.47	9.91	8240
JUNCT4	F3A100YR1D AY	0.00	13.64	0.0000	3.65	3.65	5655
JUNCT6	F3A100YR1D AY	0.00	17.73	-0.0007	209.75	813.51	10287
JUNCT7	F3A100YR1D AY	0.00	19.78	0.0000	161.55	161.67	8389
JUNCT7B	F3A100YR1D AY	0.00	19.43	0.0000	171.34	168.63	24996
JUNCT8	F3A100YR1D AY	0.00	19.78	0.0000	258.36	258.72	11634
JUNCT8B	F3A100YR1D AY	0.00	19.43	0.0000	258.72	254.90	33485
JUNCT9	F3A100YR1D AY	0.00	29.68	0.0000	87.41	87.55	9985
L1	F3A100YR1D AY	11.53	12.19	0.0000	69.99	72.06	51706
L2	F3A100YR1D AY	11.63	11.83	0.0000	19.47	19.78	39236
L3	F3A100YR1D AY	10.43	10.77	0.0000	45.14	44.82	46104
L4	F3A100YR1D AY	8.43	8.72	0.0000	22.36	22.37	50838
L5	F3A100YR1D AY	7.63	7.81	0.0000	9.69	9.44	43662
L6	F3A100YR1D AY	6.93	7.05	0.0000	4.22	3.95	43812
Lois	F3A100YR1D AY	4.82	6.23	0.0001	70.25	68.63	6808
M1	F3A100YR1D AY	2.58	6.80	0.0003	81.30	83.53	24883
M1.1	F3A100YR1D AY	6.33	7.14	0.0000	81.89	81.30	35352
M1.2	F3A100YR1D	7.03	7.49	0.0000	61.23	60.80	28677

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
M1.3	F3A100YR1D AY	7.13	7.80	0.0000	53.28	52.42	28491
M2	F3A100YR1D AY	2.58	6.29	-0.0006	100.72	94.97	60799
M3	F3A100YR1D AY	2.58	5.91	-0.0004	96.71	98.94	39437
M4	F3A100YR1D AY	2.58	5.75	-0.0006	99.14	85.91	53011
M5.1	F3A100YR1D AY	2.57	5.50	0.0003	101.97	97.89	29769
M6	F3A100YR1D AY	2.58	5.50	0.0001	1.60	0.45	558
N01	F3A100YR1D AY	0.00	20.20	0.0000	48.26	29.01	50695
N01A	F3A100YR1D AY	0.00	20.12	-0.0004	12.68	10.01	456
N02	F3A100YR1D AY	0.00	18.32	0.0001	48.00	38.97	54447
N03	F3A100YR1D AY	0.00	18.49	0.0000	7.90	6.70	3869
N04	F3A100YR1D AY	0.00	20.02	0.0001	16.49	16.49	643
N05	F3A100YR1D AY	0.00	17.73	0.0000	102.47	101.51	4387
N06	F3A100YR1D AY	0.00	17.46	-0.0002	70.44	70.71	3292
N07A	F3A100YR1D AY	0.00	17.22	0.0001	76.14	76.41	4247
N08A	F3A100YR1D AY	0.00	16.19	0.0004	148.48	148.27	8095
N09	F3A100YR1D AY	0.00	14.16	0.0001	37.61	37.58	2735
N09A	F3A100YR1D AY	0.00	13.59	-0.0006	143.70	143.72	1359
N10	F3A100YR1D AY	2.00	2.00	0.0000	412.08	0.00	0
N11	F3A100YR1D AY	0.00	17.63	-0.0011	235.47	144.95	457633
NBB0010	F3A100YR1D AY	2.00	2.00	0.0000	142.47	0.00	0
NBB0030	F3A100YR1D AY	5.03	7.97	0.0003	142.48	142.47	557
NBB0050	F3A100YR1D AY	9.15	13.94	-0.0004	250.50	142.48	145191
NBB0070	F3A100YR1D AY	11.30	14.37	-0.0002	114.18	113.06	2549

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBB0090	F3A100YR1D AY	12.67	14.37	-0.0001	137.35	137.27	4467
NBB0110	F3A100YR1D AY	13.46	16.03	0.0001	125.13	125.06	1982
NBB0130	F3A100YR1D AY	15.26	16.97	-0.0001	69.04	57.55	55692
NBB0150	F3A100YR1D AY	14.01	16.37	0.0001	73.22	73.35	1935
NBB0170	F3A100YR1D AY	14.74	16.85	0.0001	73.14	73.22	1452
NBB0190	F3A100YR1D AY	15.42	17.38	0.0001	88.61	73.14	98605
NBB0210	F3A100YR1D AY	15.70	17.38	0.0001	70.44	70.50	1556
NBB0230	F3A100YR1D AY	16.02	17.39	0.0001	70.37	70.44	18757
NBB0250	F3A100YR1D AY	16.31	17.68	0.0001	69.61	69.68	2035
NBB0270	F3A100YR1D AY	17.05	18.14	0.0001	68.47	69.61	44668
NBB0290	F3A100YR1D AY	17.06	18.14	-0.0001	53.31	54.31	1258
NBB0310	F3A100YR1D AY	17.07	18.14	-0.0002	247.36	112.43	628379
NBB0330	F3A100YR1D AY	16.57	17.39	-0.0001	52.58	46.30	49044
NBB0350	F3A100YR1D AY	16.45	17.38	0.0001	28.26	29.20	1396
NBB0370	F3A100YR1D AY	16.33	17.38	-0.0001	101.88	59.74	80873
NBB0390	F3A100YR1D AY	16.32	17.38	-0.0001	21.04	21.84	1832
NBB0410	F3A100YR1D AY	16.30	17.38	-0.0002	79.64	56.45	67696
NBB0430	F3A100YR1D AY	15.45	16.44	-0.0003	170.71	206.89	67696
NBW0010	F3A100YR1D AY	2.00	2.00	0.0000	1076.81	0.00	0
NBW0030	F3A100YR1D AY	3.39	5.12	0.0003	1078.20	1076.81	77364
NBW0050	F3A100YR1D AY	3.92	5.62	0.0000	120.84	113.68	78881
NBW0070	F3A100YR1D AY	3.57	5.44	-0.0006	330.75	519.20	74553
NBW0090	F3A100YR1D AY	3.66	5.31	0.0000	49.81	54.27	54163
NBW0130	F3A100YR1D	3.73	5.52	0.0000	334.56	335.70	14687

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NBW0150	F3A100YR1D AY	3.93	5.35	0.0001	46.96	45.63	23760
NBW0170	F3A100YR1D AY	3.98	5.34	0.0001	46.64	48.33	52372
NBW0190	F3A100YR1D AY	3.89	5.62	0.0001	334.20	334.56	5986
NBW0210	F3A100YR1D AY	6.25	6.46	0.0000	15.54	15.18	7808
NBW0230	F3A100YR1D AY	4.01	5.89	-0.0001	332.98	333.35	6617
NBW0250	F3A100YR1D AY	4.88	6.67	0.0000	331.51	331.64	5687
NBW0270	F3A100YR1D AY	5.49	6.75	0.0001	70.56	61.68	60148
NBW0290	F3A100YR1D AY	5.91	6.75	0.0000	55.53	52.54	59978
NBW0310	F3A100YR1D AY	6.38	7.68	0.0000	36.16	25.82	94628
NBW0330	F3A100YR1D AY	5.50	7.27	0.0000	320.72	320.76	24909
NBW0350	F3A100YR1D AY	4.97	5.89	0.0000	15.74	15.72	15827
NBW0370	F3A100YR1D AY	5.52	7.28	0.0001	11.05	9.47	20716
NBW0390	F3A100YR1D AY	5.52	7.28	0.0001	19.29	8.10	71682
NBW0410	F3A100YR1D AY	5.54	7.41	-0.0001	318.76	318.91	3446
NBW0430	F3A100YR1D AY	5.89	7.85	0.0000	12.66	10.90	57625
NBW0450	F3A100YR1D AY	5.89	7.85	-0.0001	319.51	318.76	12762
NBW0470	F3A100YR1D AY	5.89	7.85	0.0000	9.23	7.69	45203
NBW0490	F3A100YR1D AY	5.92	7.99	-0.0001	317.37	317.24	3184
NBW0510	F3A100YR1D AY	6.72	7.99	0.0000	8.57	8.56	30102
NBW0530	F3A100YR1D AY	6.22	8.38	0.0001	316.90	316.90	4802
NBW0550	F3A100YR1D AY	6.72	9.61	0.0000	299.74	291.94	400846
NBW0570	F3A100YR1D AY	7.09	9.58	0.0000	280.43	266.82	159829
NBW0590	F3A100YR1D AY	10.03	10.37	0.0002	476.00	475.01	90294

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW0610	F3A100YR1D AY	6.45	8.61	0.0000	289.76	289.68	10923
NBW0630	F3A100YR1D AY	6.22	8.38	0.0000	19.44	8.59	90881
NBW0650	F3A100YR1D AY	6.66	9.58	0.0001	299.50	291.04	23467
NBW0670	F3A100YR1D AY	6.66	9.58	0.0000	26.28	6.31	40928
NBW0690	F3A100YR1D AY	6.71	9.60	-0.0001	240.38	238.56	11932
NBW0710	F3A100YR1D AY	6.71	9.60	0.0000	33.56	12.25	103392
NBW0730	F3A100YR1D AY	6.72	9.61	-0.0001	264.62	235.43	290735
NBW0750	F3A100YR1D AY	7.06	9.62	0.0002	322.18	297.59	150040
NBW0770	F3A100YR1D AY	7.06	9.62	-0.0004	49.11	40.14	35418
NBW0790	F3A100YR1D AY	8.11	9.62	0.0000	42.42	42.10	25840
NBW0810	F3A100YR1D AY	7.06	9.62	0.0000	81.55	68.10	75962
NBW0830	F3A100YR1D AY	8.41	9.62	0.0001	65.38	65.04	13486
NBW0850	F3A100YR1D AY	10.17	10.20	-0.0001	65.03	60.28	24178
NBW0870	F3A100YR1D AY	7.06	9.63	0.0000	358.39	315.18	311548
NBW0890	F3A100YR1D AY	7.06	9.62	-0.0005	16.47	17.03	1027
NBW0910	F3A100YR1D AY	7.06	9.62	0.0001	313.60	285.90	182374
NBW0930	F3A100YR1D AY	8.03	9.58	-0.0001	45.77	45.55	1301
NBW0950	F3A100YR1D AY	8.82	9.53	-0.0001	91.03	50.75	198410
NBW0970	F3A100YR1D AY	8.82	9.53	0.0001	41.25	39.45	40629
NBW0990	F3A100YR1D AY	8.82	9.53	0.0002	14.92	14.46	785
NBW1010	F3A100YR1D AY	8.83	9.54	0.0000	39.27	39.24	2467
NBW1030	F3A100YR1D AY	9.19	11.60	0.0000	101.08	41.65	77737
NBW1050	F3A100YR1D AY	9.30	11.60	0.0001	16.35	15.72	900
NBW1070	F3A100YR1D	9.34	11.60	0.0000	395.50	395.59	76677

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NBW1090	F3A100YR1D AY	3.78	5.60	0.0000	487.58	475.75	22204
NBW1130	F3A100YR1D AY	4.51	5.67	0.0000	294.25	293.85	39486
NBW1150	F3A100YR1D AY	4.53	5.78	-0.0001	324.25	322.61	79136
NBW1169	F3A100YR1D AY	4.09	5.73	0.0000	463.95	455.39	25804
NBW1170	F3A100YR1D AY	4.30	5.86	-0.0001	457.94	454.91	10415
NBW1190	F3A100YR1D AY	6.13	6.91	-0.0001	94.97	79.90	82017
NBW1210	F3A100YR1D AY	7.17	7.89	-0.0002	388.76	384.40	176126
NBW1230	F3A100YR1D AY	7.17	7.95	-0.0002	402.43	379.99	259136
NBW1250	F3A100YR1D AY	4.74	6.40	-0.0001	417.52	414.33	9317
NBW1270	F3A100YR1D AY	6.14	6.91	-0.0001	44.57	37.80	57091
NBW1310	F3A100YR1D AY	5.21	6.58	0.0002	439.42	411.24	8703
NBW1330	F3A100YR1D AY	7.56	8.97	-0.0021	329.20	374.73	3073
NBW1350	F3A100YR1D AY	10.95	11.76	0.0002	62.47	62.32	17163
NBW1351	F3A100YR1D AY	8.89	11.12	0.0004	318.46	318.07	31803
NBW1352	F3A100YR1D AY	9.96	13.10	0.0006	310.25	310.24	7956
NBW1353	F3A100YR1D AY	11.01	15.04	0.0005	303.30	303.32	8196
NBW1370	F3A100YR1D AY	10.02	11.05	-0.0005	239.17	236.57	47254
NBW1390	F3A100YR1D AY	15.24	15.58	0.0003	407.08	405.39	223434
NBW1410	F3A100YR1D AY	15.58	15.86	0.0003	225.20	225.04	33489
NBW1430	F3A100YR1D AY	15.79	15.97	0.0002	212.24	211.85	32326
NBW1450	F3A100YR1D AY	16.94	17.23	-0.0003	353.76	352.90	127044
NBW1460	F3A100YR1D AY	16.43	16.77	-0.0002	149.56	150.37	4273
NBW1470	F3A100YR1D AY	17.14	17.55	-0.0002	434.99	426.21	264489

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW1480	F3A100YR1D AY	18.11	18.21	0.0001	21.52	21.40	18377
NBW1490	F3A100YR1D AY	17.86	18.41	0.0001	262.79	259.58	155092
NBW1510	F3A100YR1D AY	18.12	18.72	-0.0001	138.39	139.75	40988
NBW1530	F3A100YR1D AY	17.92	18.77	0.0000	14.04	12.20	1182
NBW1550	F3A100YR1D AY	17.75	18.86	0.0001	68.95	59.84	57426
NBW1570	F3A100YR1D AY	18.21	18.90	0.0002	135.65	136.92	2604
NBW1590	F3A100YR1D AY	18.12	18.71	-0.0001	76.92	75.85	24192
NBW1610	F3A100YR1D AY	18.13	18.71	0.0001	45.21	37.84	31234
NBW1630	F3A100YR1D AY	18.13	18.46	0.0001	35.12	34.94	1805
NBW1650	F3A100YR1D AY	18.81	19.78	0.0001	21.19	12.64	53426
NBW1670	F3A100YR1D AY	18.89	19.78	0.0001	51.24	43.00	48119
NBW1690	F3A100YR1D AY	19.03	19.79	0.0001	33.39	28.79	33058
NBW1710	F3A100YR1D AY	19.26	19.79	0.0000	2.25	1.52	998
NBW1730	F3A100YR1D AY	18.65	19.65	-0.0002	426.17	421.57	348776
NBW1750	F3A100YR1D AY	18.82	19.75	-0.0001	223.80	215.36	95092
NBW1770	F3A100YR1D AY	18.82	19.78	-0.0001	197.38	145.40	202844
NBW1790	F3A100YR1D AY	18.91	19.78	-0.0001	45.04	38.70	52769
NBW1820	F3A100YR1D AY	18.72	19.42	0.0000	134.30	128.39	183297
NBW1830	F3A100YR1D AY	18.74	19.65	-0.0001	76.74	75.43	94439
NBW1840	F3A100YR1D AY	18.39	18.99	0.0000	171.47	148.62	153608
NBW1850	F3A100YR1D AY	18.74	19.68	-0.0002	215.81	198.63	159864
NBW1860	F3A100YR1D AY	18.39	18.99	-0.0001	21.94	16.18	24982
NBW1870	F3A100YR1D AY	18.72	19.42	-0.0002	48.61	49.57	41554
NBW1890	F3A100YR1D	19.06	20.04	-0.0001	44.42	44.36	2614

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NBW1910	F3A100YR1D AY	19.27	20.27	-0.0001	84.97	83.27	13596
NBW1930	F3A100YR1D AY	19.27	20.26	0.0000	50.49	41.54	49226
NBW1950	F3A100YR1D AY	18.97	19.69	0.0000	4.05	2.34	450
NBW1970	F3A100YR1D AY	18.96	19.69	0.0000	19.47	18.15	17256
NBW1990	F3A100YR1D AY	19.27	20.06	0.0000	138.41	130.70	159356
NBW2010	F3A100YR1D AY	19.65	20.02	-0.0001	18.59	20.44	12781
NBW2030	F3A100YR1D AY	19.65	20.02	0.0000	42.70	40.42	99988
NBW2050	F3A100YR1D AY	19.26	20.28	0.0000	126.50	116.63	137361
NBW2060	F3A100YR1D AY	0.00	20.28	0.0000	37.60	30.04	73539
NBW2070	F3A100YR1D AY	19.26	20.28	0.0000	182.08	115.53	208883
NBW2090	F3A100YR1D AY	19.10	19.30	0.0002	71.57	70.74	22411
NBW2110	F3A100YR1D AY	18.92	19.30	0.0002	251.96	222.22	180475
NBW2130	F3A100YR1D AY	18.92	19.30	-0.0002	101.58	83.37	34896
NBW2140	F3A100YR1D AY	20.00	19.31	0.0001	9.86	7.35	652
NBW2145	F3A100YR1D AY	0.00	19.45	-0.0012	25.03	100.92	40777
NBW2150	F3A100YR1D AY	19.26	20.28	0.0000	117.81	104.70	33500
NBW2170	F3A100YR1D AY	19.12	20.28	0.0000	5.45	5.29	941
NBW2190	F3A100YR1D AY	19.10	20.27	0.0000	12.08	6.54	30402
NBW2210	F3A100YR1D AY	19.47	20.27	0.0000	42.66	43.24	52290
NBW2230	F3A100YR1D AY	19.47	20.27	-0.0002	95.10	84.79	89368
NBW2250	F3A100YR1D AY	19.51	20.27	0.0000	32.53	33.10	11710
NBW2270	F3A100YR1D AY	19.57	20.27	-0.0001	31.49	32.05	43551
NBW2290	F3A100YR1D AY	19.65	20.27	-0.0002	121.41	111.52	212861

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW2310	F3A100YR1D AY	19.82	20.16	-0.0002	116.54	113.58	156628
NBW2330	F3A100YR1D AY	19.82	20.16	-0.0002	46.59	31.09	89286
NBW2350	F3A100YR1D AY	16.05	16.64	0.0001	213.89	212.70	78900
NBW2370	F3A100YR1D AY	16.11	16.65	-0.0001	51.44	48.27	56850
NBW2380	F3A100YR1D AY	12.29	16.66	0.0004	334.25	324.69	97160
NBW2385	F3A100YR1D AY	18.49	18.51	0.0000	7.07	7.05	6894
NBW2387	F3A100YR1D AY	16.11	16.66	0.0000	0.78	0.80	482
NBW2390	F3A100YR1D AY	16.42	18.04	0.0001	165.38	169.32	75003
NBW2410	F3A100YR1D AY	16.59	18.46	-0.0002	287.04	284.78	188033
NBW2430	F3A100YR1D AY	16.23	18.52	0.0001	403.52	402.86	123265
NBW2450	F3A100YR1D AY	16.15	18.61	-0.0002	165.43	162.05	4396
NBW2470	F3A100YR1D AY	16.43	18.86	0.0002	417.57	418.67	47205
NBW2490	F3A100YR1D AY	16.90	18.86	-0.0004	89.38	307.61	23629
NBW2510	F3A100YR1D AY	17.74	18.85	-0.0001	72.60	71.62	9426
NBW2530	F3A100YR1D AY	17.92	18.77	0.0001	63.11	63.58	2010
NBW2550	F3A100YR1D AY	17.95	18.75	-0.0001	2.49	2.90	450
NBW2570	F3A100YR1D AY	17.96	18.75	0.0000	5.45	3.28	12727
NBW2590	F3A100YR1D AY	18.06	18.74	-0.0001	51.29	51.67	1098
NBW2610	F3A100YR1D AY	17.00	18.97	-0.0008	477.97	475.74	137975
NBW2630	F3A100YR1D AY	17.98	18.97	-0.0001	223.88	199.84	43594
NBW2650	F3A100YR1D AY	16.97	18.95	-0.0003	27.14	28.03	47080
NBW2670	F3A100YR1D AY	16.42	18.95	0.0001	56.97	36.80	51252
NBW2680	F3A100YR1D AY	17.73	18.59	-0.0001	198.48	198.27	27882
NBW2690	F3A100YR1D	15.40	18.38	0.0002	413.21	409.93	119224

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NBW2710	F3A100YR1D AY	17.73	18.63	0.0001	3.85	2.59	529
NBW2730	F3A100YR1D AY	18.29	18.75	0.0000	3.67	2.76	6332
NBW2770	F3A100YR1D AY	18.09	18.98	0.0001	13.26	13.27	1310
NBW2775	F3A100YR1D AY	6.59	7.24	0.0000	43.80	43.75	67107
NBW2780	F3A100YR1D AY	18.38	18.94	0.0001	198.63	195.03	202917
NBW2790	F3A100YR1D AY	18.38	18.98	0.0000	317.37	293.37	176591
NBW2810	F3A100YR1D AY	18.39	18.99	-0.0002	117.68	104.32	88024
NBW2830	F3A100YR1D AY	18.40	18.99	0.0000	93.23	64.96	207900
NC01	F3A100YR1D AY	0.00	6.34	0.0001	46.31	45.95	5167
NC01B	F3A100YR1D AY	0.00	5.97	0.0000	37.44	37.38	7384
NC02	F3A100YR1D AY	0.00	9.01	0.0001	181.74	181.63	12706
NC03	F3A100YR1D AY	0.00	5.02	0.0001	213.87	213.77	16753
NC04	F3A100YR1D AY	0.00	4.14	0.0000	150.22	144.93	64188
NC05	F3A100YR1D AY	0.00	4.12	-0.0001	163.56	161.02	71063
NC06	F3A100YR1D AY	0.00	4.08	0.0000	173.94	173.46	31388
NC07	F3A100YR1D AY	0.00	4.08	-0.0001	158.72	158.68	28758
NC08	F3A100YR1D AY	0.00	4.03	0.0000	182.91	182.71	21061
NCL0010	F3A100YR1D AY	2.00	2.00	0.0000	928.14	0.00	0
NCL0030	F3A100YR1D AY	2.36	3.21	-0.0002	611.24	611.22	6856
NCL0050	F3A100YR1D AY	2.36	3.21	0.0000	0.37	0.83	439
NCL0070	F3A100YR1D AY	5.20	5.88	0.0000	286.97	283.12	89721
NCL0090	F3A100YR1D AY	6.06	6.44	0.0000	102.04	83.95	106369
NCL0110	F3A100YR1D AY	3.04	4.07	-0.0008	639.37	639.09	6623

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL0130	F3A100YR1D AY	4.05	4.22	0.0003	160.82	160.86	565
NCL0150	F3A100YR1D AY	4.95	5.54	-0.0001	162.55	162.61	2802
NCL0170	F3A100YR1D AY	5.08	5.60	0.0001	106.94	107.00	1472
NCL0190	F3A100YR1D AY	5.08	5.62	0.0000	4.55	4.38	438
NCL0210	F3A100YR1D AY	5.85	7.13	0.0000	110.92	102.57	52797
NCL0230	F3A100YR1D AY	6.60	7.95	-0.0002	79.81	33.18	103609
NCL0250	F3A100YR1D AY	6.60	7.95	-0.0001	3.91	4.13	608
NCL0270	F3A100YR1D AY	6.60	7.95	0.0001	8.19	5.79	3992
NCL0290	F3A100YR1D AY	5.90	7.17	-0.0001	65.06	65.71	924
NCL0310	F3A100YR1D AY	6.10	7.36	0.0011	64.65	65.06	1045
NCL0330	F3A100YR1D AY	5.95	7.13	-0.0001	24.14	30.44	16464
NCL0350	F3A100YR1D AY	6.60	7.95	-0.0003	265.34	207.71	131492
NCL0370	F3A100YR1D AY	7.36	8.17	0.0002	247.31	243.76	44823
NCL0390	F3A100YR1D AY	4.02	5.06	-0.0022	461.01	478.06	4339
NCL0410	F3A100YR1D AY	4.09	5.32	-0.0001	9.34	9.30	819
NCL0430	F3A100YR1D AY	4.23	5.65	0.0000	10.66	10.07	2050
NCL0450	F3A100YR1D AY	4.75	5.74	-0.0008	451.43	451.45	3676
NCL0470	F3A100YR1D AY	5.43	6.34	-0.0010	449.92	449.95	3437
NCL0490	F3A100YR1D AY	6.48	7.21	-0.0009	583.15	585.46	79574
NCL0510	F3A100YR1D AY	6.67	7.54	0.0001	44.89	42.53	7751
NCL0530	F3A100YR1D AY	8.10	8.70	0.0003	37.43	21.72	1171
NCL0550	F3A100YR1D AY	8.17	8.75	-0.0001	45.16	37.43	81227
NCL0570	F3A100YR1D AY	8.66	9.16	-0.0001	24.93	21.09	11760
NCL0590	F3A100YR1D	7.00	7.75	0.0007	489.26	489.86	18935

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NCL0610	F3A100YR1D AY	7.52	8.30	0.0007	474.93	475.25	4800
NCL0630	F3A100YR1D AY	8.06	9.07	0.0003	471.71	471.79	7941
NCL0650	F3A100YR1D AY	8.12	9.15	-0.0003	57.12	102.60	1613
NCL0670	F3A100YR1D AY	8.67	9.90	0.0006	119.40	57.12	1693
NCL0690	F3A100YR1D AY	8.76	9.94	0.0003	26.14	35.14	605
NCL0710	F3A100YR1D AY	8.95	10.02	-0.0002	27.24	25.75	600
NCL0730	F3A100YR1D AY	9.26	10.19	-0.0002	29.07	27.24	554
NCL0750	F3A100YR1D AY	9.56	10.31	0.0000	249.23	229.55	97775
NCL0770	F3A100YR1D AY	10.12	10.55	0.0001	117.71	117.64	2178
NCL0790	F3A100YR1D AY	8.69	9.96	0.0004	49.75	101.59	895
NCL0810	F3A100YR1D AY	8.84	10.38	0.0000	55.29	49.75	49631
NCL0830	F3A100YR1D AY	8.93	10.38	-0.0007	398.58	399.29	59128
NCL0850	F3A100YR1D AY	9.01	10.39	-0.0001	118.20	104.80	39834
NCL0870	F3A100YR1D AY	9.37	10.56	-0.0002	131.85	131.47	2022
NCL0890	F3A100YR1D AY	9.65	10.67	-0.0001	119.04	118.84	1587
NCL0910	F3A100YR1D AY	9.71	10.54	0.0000	27.59	27.27	21483
NCL0930	F3A100YR1D AY	9.57	11.16	-0.0001	191.23	188.14	18600
NCL0950	F3A100YR1D AY	9.89	11.34	-0.0001	173.38	170.79	18677
NCL0970	F3A100YR1D AY	10.41	11.80	0.0001	46.30	45.19	2263
NCL0990	F3A100YR1D AY	11.00	11.91	0.0001	67.47	66.15	13224
NCL1010	F3A100YR1D AY	11.14	12.51	0.0001	14.43	14.19	903
NCL1030	F3A100YR1D AY	9.67	10.59	-0.0002	25.02	33.53	2178
NCL1050	F3A100YR1D AY	10.46	10.61	0.0000	11.61	10.20	6633

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL1070	F3A100YR1D AY	9.30	11.67	0.0000	4.29	4.32	631
NCL1090	F3A100YR1D AY	9.76	11.71	0.0000	32.30	17.14	32358
NCL1110	F3A100YR1D AY	9.85	11.38	-0.0001	19.67	19.40	35227
NCL1130	F3A100YR1D AY	9.76	11.70	-0.0001	45.73	20.31	126898
NCL1150	F3A100YR1D AY	9.76	11.71	-0.0001	792.16	782.16	304180
NCL1170	F3A100YR1D AY	10.59	12.79	-0.0004	465.76	393.56	162759
NCL1190	F3A100YR1D AY	10.72	13.34	0.0000	109.26	109.30	1850
NCL1210	F3A100YR1D AY	10.63	12.80	0.0000	60.18	28.83	59164
NCL1230	F3A100YR1D AY	10.94	14.06	0.0000	109.22	109.26	1432
NCL1250	F3A100YR1D AY	11.11	14.49	0.0000	109.18	109.22	1231
NCL1270	F3A100YR1D AY	11.34	14.98	0.0000	289.47	187.68	239452
NCL1290	F3A100YR1D AY	13.06	15.00	0.0001	262.01	244.95	78330
NCL1310	F3A100YR1D AY	14.77	16.00	0.0001	258.84	256.58	67024
NCL1330	F3A100YR1D AY	10.60	12.79	-0.0003	447.58	437.64	95245
NCL1350	F3A100YR1D AY	10.63	12.80	0.0001	421.17	412.35	72627
NCL1370	F3A100YR1D AY	10.63	12.83	-0.0002	265.89	263.30	21403
NCL1390	F3A100YR1D AY	10.63	14.98	0.0000	81.70	68.96	37621
NCL1410	F3A100YR1D AY	10.63	14.98	-0.0002	82.47	80.99	10467
NCL1430	F3A100YR1D AY	10.70	12.81	-0.0004	629.86	478.99	272585
NCL1450	F3A100YR1D AY	10.93	13.29	0.0006	499.50	498.99	3036
NCL1470	F3A100YR1D AY	12.72	14.76	0.0001	349.18	348.34	4425
NCL1490	F3A100YR1D AY	14.45	14.94	0.0000	9.03	9.10	784
NCL1510	F3A100YR1D AY	11.06	13.27	-0.0008	68.36	79.86	19356
NCL1530	F3A100YR1D	12.54	13.26	-0.0002	112.67	110.85	22713

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NCL1550	F3A100YR1D AY	13.13	13.58	-0.0001	43.22	42.00	1021
NCL1570	F3A100YR1D AY	13.31	14.26	0.0001	7.31	7.23	504
NCL1590	F3A100YR1D AY	13.70	14.28	0.0000	3.61	3.11	1307
NCL1610	F3A100YR1D AY	13.37	14.49	0.0001	4.76	4.44	469
NCL1630	F3A100YR1D AY	13.57	13.80	0.0003	98.21	98.16	2987
NCL1650	F3A100YR1D AY	13.68	14.07	0.0002	105.08	105.04	2230
NCL1670	F3A100YR1D AY	14.02	15.18	0.0001	228.27	228.23	17304
NCL1690	F3A100YR1D AY	17.47	18.00	0.0001	72.40	72.33	7466
NCL1710	F3A100YR1D AY	17.89	18.24	0.0001	64.70	64.75	3577
NCL1730	F3A100YR1D AY	18.27	19.50	0.0019	270.68	270.16	50485
NCL1750	F3A100YR1D AY	18.24	19.35	-0.0015	33.03	33.05	513
NCL1770	F3A100YR1D AY	18.07	18.34	0.0001	60.61	60.57	3360
NCL1790	F3A100YR1D AY	15.78	16.80	0.0001	341.23	340.49	5863
NCL1810	F3A100YR1D AY	18.13	18.53	0.0001	94.55	86.36	59162
NCL1830	F3A100YR1D AY	18.39	18.86	0.0001	322.05	321.73	6249
NCL1850	F3A100YR1D AY	18.50	19.00	-0.0003	66.97	79.05	909
NCL1870	F3A100YR1D AY	19.01	19.67	0.0001	66.69	66.97	999
NCL1890	F3A100YR1D AY	19.15	19.85	0.0001	68.84	67.58	987
NCL1910	F3A100YR1D AY	19.15	19.85	0.0001	4.47	1.11	528
NCL1930	F3A100YR1D AY	19.91	20.03	0.0000	7.78	7.68	1637
NCL1950	F3A100YR1D AY	19.15	19.85	0.0000	1.05	0.17	502
NCL1970	F3A100YR1D AY	21.67	21.69	0.0000	4.29	4.27	3382
NCL1990	F3A100YR1D AY	19.58	20.41	-0.0001	71.61	68.84	884

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL2010	F3A100YR1D AY	19.74	20.45	0.0001	41.83	39.61	1104
NCL2030	F3A100YR1D AY	19.76	20.02	0.0001	30.91	26.46	44845
NCL2050	F3A100YR1D AY	19.76	20.49	0.0001	41.43	38.15	1411
NCL2070	F3A100YR1D AY	19.76	20.02	-0.0001	7.45	8.58	1202
NCL2090	F3A100YR1D AY	19.87	20.88	0.0002	45.14	41.43	1414
NCL2110	F3A100YR1D AY	20.03	20.92	-0.0005	47.92	43.09	48841
NCL2130	F3A100YR1D AY	19.87	20.94	0.0001	168.80	180.37	145886
NCL2150	F3A100YR1D AY	20.75	21.64	-0.0004	176.36	158.71	276074
NCL2170	F3A100YR1D AY	19.85	20.92	0.0002	286.19	283.12	116212
NCL2230	F3A100YR1D AY	19.13	19.98	0.0001	322.02	319.18	67056
NCL2250	F3A100YR1D AY	19.55	20.48	0.0001	213.69	209.96	4444
NCL2270	F3A100YR1D AY	20.05	21.06	0.0001	371.22	370.08	72260
NCL2290	F3A100YR1D AY	19.88	20.92	0.0001	18.19	15.43	25232
NCL2310	F3A100YR1D AY	20.45	21.30	0.0001	100.76	100.57	1779
NCL2330	F3A100YR1D AY	20.74	21.47	0.0001	211.12	199.65	141335
NCL2350	F3A100YR1D AY	20.78	21.50	0.0001	94.31	93.70	16857
NCL2370	F3A100YR1D AY	20.81	21.50	-0.0001	91.67	90.94	2298
NCL2390	F3A100YR1D AY	20.84	21.53	0.0000	216.97	177.01	235944
NCL2410	F3A100YR1D AY	21.07	21.55	0.0000	31.07	30.71	1380
NCL2430	F3A100YR1D AY	21.32	21.68	0.0000	29.50	29.25	1472
NCL2450	F3A100YR1D AY	21.25	21.63	0.0000	6.69	6.53	493
NCL2470	F3A100YR1D AY	20.93	21.53	0.0000	30.70	30.34	846
NCL2490	F3A100YR1D AY	21.54	21.68	0.0000	26.04	25.86	2431
NCL2510	F3A100YR1D	21.70	21.63	0.0000	226.29	226.74	139592

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NCL2530	F3A100YR1D AY	21.70	21.62	0.0000	100.49	102.22	65099
NCL2540	F3A100YR1D AY	0.00	22.32	0.0000	139.90	137.36	62507
NCL2550	F3A100YR1D AY	21.70	21.62	0.0000	111.10	111.57	24315
NCL2570	F3A100YR1D AY	21.51	21.57	0.0001	15.44	15.71	1503
NCL2580	F3A100YR1D AY	0.00	21.55	-0.0002	199.95	199.05	46093
NCL2590	F3A100YR1D AY	21.17	21.55	0.0000	344.17	339.15	183293
NCL2610	F3A100YR1D AY	21.14	21.54	0.0000	236.84	236.61	37859
NCL2630	F3A100YR1D AY	20.86	21.13	0.0000	135.43	129.52	60017
NCL2631	F3A100YR1D AY	0.00	21.01	-0.0001	118.77	109.27	52323
NCL2650	F3A100YR1D AY	21.17	21.71	0.0000	134.15	113.83	170623
NCL2670	F3A100YR1D AY	21.93	22.34	-0.0004	143.38	168.77	82393
NCL2690	F3A100YR1D AY	21.96	22.59	0.0000	99.26	104.24	68103
NCL2710	F3A100YR1D AY	21.96	22.71	0.0000	88.73	78.17	91465
NCL2730	F3A100YR1D AY	21.95	22.83	0.0000	54.98	53.53	34925
NCL2750	F3A100YR1D AY	21.84	23.19	0.0000	174.50	173.41	54761
NCL2770	F3A100YR1D AY	21.71	22.52	0.0000	43.96	43.98	1389
NCL2780	F3A100YR1D AY	0.00	22.46	0.0000	46.57	46.82	34125
NCL2790	F3A100YR1D AY	21.84	22.46	0.0000	254.98	239.08	172623
NCL2810	F3A100YR1D AY	22.11	22.94	-0.0001	170.69	169.82	34228
NCL2830	F3A100YR1D AY	23.09	23.27	-0.0001	37.33	36.21	18154
NCL2835	F3A100YR1D AY	0.00	23.94	0.0000	7.95	7.96	1074
NCL2840	F3A100YR1D AY	0.00	23.86	0.0000	169.93	169.64	30289
NCL2845	F3A100YR1D AY	0.00	24.39	-0.0001	95.39	95.14	20186

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL2850	F3A100YR1D AY	20.82	21.49	0.0001	17.71	17.99	6789
NCL2870	F3A100YR1D AY	20.83	21.39	0.0001	16.70	16.98	1246
NCL2890	F3A100YR1D AY	20.83	21.29	-0.0002	18.66	17.35	28472
NCL2910	F3A100YR1D AY	20.83	21.29	0.0001	133.57	132.98	48082
NCL2930	F3A100YR1D AY	19.55	20.51	0.0003	310.43	313.04	40636
NCL2950	F3A100YR1D AY	19.53	20.50	0.0002	151.02	151.43	43881
NCL2970	F3A100YR1D AY	20.49	20.81	0.0002	95.71	92.75	31105
NCL2990	F3A100YR1D AY	19.33	20.29	0.0002	143.29	143.70	12514
NCL3010	F3A100YR1D AY	19.35	20.29	0.0002	209.84	136.79	325539
NCL3030	F3A100YR1D AY	19.58	20.32	0.0002	154.86	112.34	129144
NCL3050	F3A100YR1D AY	19.94	20.39	0.0002	125.71	115.62	73274
NCL3070	F3A100YR1D AY	20.14	20.44	0.0001	70.72	62.83	43286
NCL3090	F3A100YR1D AY	19.59	20.30	0.0002	160.29	142.63	123088
NCL3110	F3A100YR1D AY	19.59	20.30	0.0003	119.03	85.33	154078
NCL3130	F3A100YR1D AY	19.59	20.31	0.0002	45.58	24.86	79780
NCL3150	F3A100YR1D AY	19.54	20.28	0.0002	199.08	185.28	86976
NCL3170	F3A100YR1D AY	19.71	20.48	0.0002	160.24	159.49	54761
NCL3190	F3A100YR1D AY	20.31	20.81	0.0002	182.99	169.36	167227
NCL3210	F3A100YR1D AY	20.32	20.81	0.0002	140.64	132.86	84106
NCL3230	F3A100YR1D AY	20.32	20.83	0.0002	115.61	112.79	38854
NCL3250	F3A100YR1D AY	19.11	19.39	-0.0002	201.09	199.39	148487
NCL3250A	F3A100YR1D AY	0.00	19.81	0.0004	132.75	131.69	2677
NCL3270	F3A100YR1D AY	19.11	19.77	-0.0001	37.89	36.28	16472
NCL3280	F3A100YR1D	0.00	20.02	0.0000	60.20	59.45	22444

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NCL3290	F3A100YR1D AY	20.16	20.68	0.0000	59.56	58.06	37174
NCL3300	F3A100YR1D AY	0.00	19.88	0.0000	22.29	22.28	3998
NCL3310	F3A100YR1D AY	20.19	20.84	0.0000	2.70	2.73	768
NCL3330	F3A100YR1D AY	20.75	20.87	0.0000	8.11	7.54	437
NCL3350	F3A100YR1D AY	20.51	20.86	0.0001	67.98	64.26	58504
NCL3360	F3A100YR1D AY	0.00	20.85	0.0000	23.11	20.75	26675
NCL3365	F3A100YR1D AY	0.00	20.49	0.0001	67.99	67.21	37054
NCL3370	F3A100YR1D AY	20.64	21.26	-0.0001	223.94	221.40	115348
NCL3390	F3A100YR1D AY	20.83	21.29	0.0001	227.45	226.81	44727
NCL3410	F3A100YR1D AY	20.83	21.29	0.0001	2.42	1.81	476
NCL3430	F3A100YR1D AY	20.83	21.29	0.0000	6.27	1.48	6401
NCL3450	F3A100YR1D AY	18.92	19.38	0.0002	436.59	330.54	205006
NCL3470	F3A100YR1D AY	19.11	19.40	0.0001	531.77	436.80	272725
NCL3471	F3A100YR1D AY	0.00	19.39	-0.0002	145.17	142.79	5436
NCL3490	F3A100YR1D AY	19.15	19.41	0.0001	212.39	201.79	52112
NCL3510	F3A100YR1D AY	20.64	20.11	0.0001	187.59	186.71	36478
NCL3520	F3A100YR1D AY	0.00	19.78	0.0000	471.70	471.79	75245
NCL3530	F3A100YR1D AY	20.66	21.02	0.0001	255.73	253.80	79840
NCL3550	F3A100YR1D AY	20.66	21.04	0.0001	4.36	4.69	736
NCL3570	F3A100YR1D AY	20.66	21.05	-0.0001	2.44	2.54	627
NCL3590	F3A100YR1D AY	20.66	21.06	0.0000	4.93	2.33	8167
NCL3610	F3A100YR1D AY	20.66	21.02	-0.0002	38.35	39.06	1320
NCL3630	F3A100YR1D AY	20.64	21.01	-0.0001	416.16	412.38	134736

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL3635	F3A100YR1D AY	0.00	21.01	0.0001	21.51	23.84	1915
NCL3640	F3A100YR1D AY	0.00	21.01	0.0001	56.23	51.46	65141
NCL3650	F3A100YR1D AY	18.92	19.31	0.0001	10.15	10.19	503
NCL3670	F3A100YR1D AY	18.92	19.30	0.0000	18.41	32.41	63541
NCL3690	F3A100YR1D AY	18.92	19.37	0.0002	153.89	145.19	2631
NCL3730	F3A100YR1D AY	18.92	19.36	0.0000	494.53	359.26	140875
NCL3740	F3A100YR1D AY	0.00	19.38	0.0002	287.95	267.70	40415
NCL3750	F3A100YR1D AY	18.93	19.73	-0.0011	280.66	253.57	303189
NCL3770	F3A100YR1D AY	18.93	19.73	-0.0006	81.51	37.66	115144
NCL4000	F3A100YR1D AY	0.00	29.91	0.0000	87.46	87.41	9334
NCL4010	F3A100YR1D AY	0.00	29.67	0.0000	77.71	77.38	15901
NCypEast	F3A100YR1D AY	32.00	29.00	0.0000	19.05	0.00	0
NCypWest	F3A100YR1D AY	32.00	29.93	0.0000	0.00	0.00	0
NOC0010	F3A100YR1D AY	2.00	2.00	0.0000	597.68	78.17	0
NOC0030	F3A100YR1D AY	1.14	2.51	0.0377	597.72	597.68	1913
NOC0050	F3A100YR1D AY	1.20	2.80	-0.0306	513.06	513.25	3059
NOC0070	F3A100YR1D AY	1.45	3.84	0.0085	495.92	496.10	8919
NOC0090	F3A100YR1D AY	2.91	3.96	0.0021	127.63	127.73	446
NOC0110	F3A100YR1D AY	1.65	3.93	0.0094	296.68	296.83	455
NOC0130	F3A100YR1D AY	3.06	4.74	0.0038	296.62	296.68	528
NOC0150	F3A100YR1D AY	3.08	4.76	0.0000	4.44	4.22	500
NOC0170	F3A100YR1D AY	4.56	4.94	0.0000	25.08	25.06	1913
NOC0190	F3A100YR1D AY	5.09	6.05	0.0004	299.70	299.95	2795
NOC0210	F3A100YR1D	5.68	6.17	0.0001	49.83	48.69	9969

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NOC0230	F3A100YR1D AY	5.12	6.12	0.0001	10.98	10.64	742
NOC0250	F3A100YR1D AY	5.30	6.63	0.0001	11.50	10.98	1980
NOC0270	F3A100YR1D AY	5.57	7.23	0.0000	9.11	5.32	13297
NOC0290	F3A100YR1D AY	5.11	6.26	0.0003	402.36	402.40	1836
NOC0310	F3A100YR1D AY	5.27	6.72	0.0001	100.24	84.42	60217
NOC0330	F3A100YR1D AY	5.85	7.13	0.0001	409.75	409.62	224849
NOC0350	F3A100YR1D AY	5.89	7.21	0.0001	393.95	360.19	225305
NOC0370	F3A100YR1D AY	6.47	7.50	0.0001	312.30	310.26	97091
NOC0390	F3A100YR1D AY	6.60	7.95	0.0001	137.37	117.38	69363
NOC0410	F3A100YR1D AY	6.95	7.94	0.0001	65.29	42.14	96396
NOC0430	F3A100YR1D AY	7.01	7.57	0.0001	70.21	67.22	41457
NOC0450	F3A100YR1D AY	7.62	7.76	0.0001	46.49	45.45	25353
NOC0470	F3A100YR1D AY	8.12	8.30	0.0001	32.10	30.33	29955
NOC0490	F3A100YR1D AY	7.67	7.79	0.0001	7.32	6.95	1051
NRU0010	F3A100YR1D AY	2.00	2.00	0.0000	696.23	0.00	0
NRU0030	F3A100YR1D AY	2.84	3.69	0.0005	438.06	392.77	2468
NRU0050	F3A100YR1D AY	4.36	5.99	-0.0020	392.78	438.06	2036
NRU0070	F3A100YR1D AY	5.61	7.88	0.0006	422.05	392.78	50068
NRU0090	F3A100YR1D AY	5.66	7.88	-0.0001	141.42	92.51	52131
NRU0110	F3A100YR1D AY	6.23	7.91	-0.0002	332.99	302.15	38371
NRU0130	F3A100YR1D AY	7.66	9.59	0.0003	279.31	278.79	2616
NRU0150	F3A100YR1D AY	7.71	9.65	0.0007	256.63	256.80	1528
NRU0160	F3A100YR1D AY	0.00	15.05	0.0001	194.43	194.32	4959

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0165	F3A100YR1D AY	0.00	15.42	0.0000	8.86	8.37	1063
NRU0170	F3A100YR1D AY	14.45	17.72	-0.0001	272.02	200.09	122951
NRU0172	F3A100YR1D AY	0.00	17.73	0.0001	10.01	11.17	831
NRU0174	F3A100YR1D AY	0.00	17.75	-0.0001	18.61	10.01	10644
NRU0176	F3A100YR1D AY	0.00	16.32	0.0000	11.19	11.19	761
NRU0178	F3A100YR1D AY	0.00	17.42	0.0000	7.57	7.59	956
NRU0180	F3A100YR1D AY	0.00	17.75	0.0000	269.21	208.48	242309
NRU0190	F3A100YR1D AY	14.45	17.72	-0.0002	19.95	17.48	27263
NRU0210	F3A100YR1D AY	14.45	17.53	0.0003	26.67	19.90	20633
NRU0230	F3A100YR1D AY	13.39	15.24	-0.0003	40.62	39.87	24461
NRU0250	F3A100YR1D AY	14.62	17.72	-0.0002	877.27	241.62	73920
NRU0270	F3A100YR1D AY	15.05	17.73	-0.0001	176.10	196.86	19329
NRU0290	F3A100YR1D AY	16.30	19.08	-0.0001	100.18	79.23	106371
NRU0310	F3A100YR1D AY	16.13	18.02	0.0001	94.50	94.18	7974
NRU0330	F3A100YR1D AY	18.25	18.65	0.0001	25.18	24.34	1352
NRU0335	F3A100YR1D AY	0.00	19.49	0.0001	14.14	11.54	19195
NRU0340	F3A100YR1D AY	0.00	19.10	0.0001	99.90	89.35	73094
NRU0343	F3A100YR1D AY	0.00	19.69	0.0001	12.32	9.57	917
NRU0345	F3A100YR1D AY	0.00	19.90	0.0001	89.10	82.11	100410
NRU0350	F3A100YR1D AY	19.50	19.35	0.0001	19.72	15.79	26515
NRU0370	F3A100YR1D AY	19.51	19.35	0.0001	14.35	10.66	19065
NRU0380	F3A100YR1D AY	23.33	19.27	0.0001	7.99	8.10	470
NRU0390	F3A100YR1D AY	27.00	19.26	-0.0002	38.81	23.53	30036
NRU0410	F3A100YR1D	19.56	19.41	0.0001	10.38	7.66	1096

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft ²]
	AY						
NRU0425	F3A100YR1D AY	15.53	16.89	0.0001	7.68	3.37	4982
NRU0430	F3A100YR1D AY	19.61	19.47	0.0001	7.66	5.13	1072
NRU0450	F3A100YR1D AY	19.66	19.53	0.0001	5.13	3.16	1044
NRU0470	F3A100YR1D AY	19.72	19.81	0.0001	3.54	3.06	785
NRU0490	F3A100YR1D AY	20.36	19.94	-0.0001	5.06	3.54	3546
NRU0495	F3A100YR1D AY	0.00	15.81	0.0004	769.62	769.65	2716
NRU0500	F3A100YR1D AY	0.00	16.18	-0.0007	767.92	767.97	5646
NRU0510	F3A100YR1D AY	19.67	20.31	-0.0002	49.64	35.75	88878
NRU0530	F3A100YR1D AY	16.95	18.36	0.0001	58.91	60.27	2251
NRU0550	F3A100YR1D AY	17.92	18.73	-0.0002	169.08	158.47	97856
NRU0570	F3A100YR1D AY	18.16	19.16	-0.0001	122.91	121.63	21731
NRU0590	F3A100YR1D AY	18.51	19.74	0.0001	76.33	75.20	35184
NRU0610	F3A100YR1D AY	18.78	19.93	0.0001	76.68	67.80	92461
NRU0612	F3A100YR1D AY	0.00	19.93	0.0001	53.42	40.20	61374
NRU0615	F3A100YR1D AY	0.00	20.05	0.0001	11.53	6.52	2090
NRU0616	F3A100YR1D AY	0.00	20.31	0.0001	10.71	9.49	23418
NRU0618	F3A100YR1D AY	0.00	20.64	0.0001	23.38	19.16	21522
NRU0620	F3A100YR1D AY	0.00	20.14	0.0001	36.09	33.52	32834
NRU0630	F3A100YR1D AY	18.79	19.81	0.0001	58.48	57.80	30776
NRU0650	F3A100YR1D AY	18.79	19.67	0.0001	91.46	87.74	43351
NRU0670	F3A100YR1D AY	18.78	19.49	-0.0001	64.58	64.55	1429
NRU0690	F3A100YR1D AY	18.84	19.29	0.0001	107.15	104.60	32473
NRU0710	F3A100YR1D AY	18.86	19.28	0.0001	199.81	194.17	49217

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0730	F3A100YR1D AY	18.85	19.29	0.0001	73.27	68.15	50246
NRU0740	F3A100YR1D AY	0.00	19.27	0.0001	205.37	195.75	34493
NRU0745	F3A100YR1D AY	0.00	19.25	0.0001	205.95	187.95	50345
NRU0747	F3A100YR1D AY	18.87	19.25	0.0001	113.47	111.70	1655
NRU0750	F3A100YR1D AY	18.87	19.25	0.0001	252.45	143.84	252738
NRU0770	F3A100YR1D AY	18.88	19.25	0.0001	37.48	35.45	990
NRU0785	F3A100YR1D AY	0.00	19.25	0.0001	120.96	89.83	62470
NRU0790	F3A100YR1D AY	18.88	19.25	0.0003	660.03	605.27	142813
NRU0810	F3A100YR1D AY	18.88	19.24	0.0001	27.90	23.98	11353
NRU0820	F3A100YR1D AY	0.00	19.23	0.0001	6.39	3.32	442
NRU0830	F3A100YR1D AY	18.99	19.30	-0.0004	519.31	520.53	38634
NRU0840	F3A100YR1D AY	9999.00	19.34	-0.0006	464.15	465.27	2258
NRU0850	F3A100YR1D AY	19.11	19.36	0.0002	195.33	193.00	2553
NRU0870	F3A100YR1D AY	19.32	19.38	-0.0003	43.49	44.37	560
NRU0890	F3A100YR1D AY	19.35	19.39	0.0000	83.33	68.59	71656
NRU0910	F3A100YR1D AY	19.35	19.41	0.0000	3.73	3.17	581
NRU0930	F3A100YR1D AY	19.35	19.84	0.0000	3.92	3.73	1908
NRU0950	F3A100YR1D AY	19.11	19.38	-0.0003	219.72	197.78	37901
NRU0955	F3A100YR1D AY	0.00	19.38	-0.0001	279.47	247.71	58667
NRU0960	F3A100YR1D AY	0.00	19.40	0.0002	345.11	326.46	41902
NRU0965	F3A100YR1D AY	0.00	19.40	0.0002	350.81	321.47	104616
NRU0970	F3A100YR1D AY	19.34	19.39	0.0001	66.28	55.81	87431
NRU0980	F3A100YR1D AY	0.00	19.39	-0.0003	20.21	20.98	1097
NRU0990	F3A100YR1D	19.39	19.39	0.0003	41.50	41.09	440

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NRU1010	F3A100YR1D AY	19.70	19.39	0.0002	42.15	41.50	31496
NRU1015	F3A100YR1D AY	0.00	20.36	0.0001	27.38	15.28	45066
NRU1020	F3A100YR1D AY	0.00	21.81	-0.0060	23.96	111.95	866
NRU1025	F3A100YR1D AY	0.00	21.22	0.0001	12.62	12.41	724
NRU1030	F3A100YR1D AY	19.70	19.40	-0.0001	197.88	174.41	130071
NRU1035	F3A100YR1D AY	0.00	19.00	0.0000	1.60	1.48	436
NRU1036	F3A100YR1D AY	0.00	19.40	-0.0002	19.49	20.98	437
NRU1037	F3A100YR1D AY	0.00	19.35	0.0001	3.44	3.99	688
NRU1040	F3A100YR1D AY	0.00	19.40	0.0002	125.35	115.28	74510
NRU1045	F3A100YR1D AY	0.00	21.89	0.0001	25.97	16.88	42702
NRU1046	F3A100YR1D AY	0.00	21.85	0.0060	16.88	14.92	935
NRU1050	F3A100YR1D AY	19.70	19.40	0.0001	201.34	185.74	108208
NRU1070	F3A100YR1D AY	19.83	19.55	0.0001	77.51	75.69	31096
NRU1090	F3A100YR1D AY	18.86	19.25	-0.0002	114.48	112.60	1336
NRU1110	F3A100YR1D AY	18.86	19.24	-0.0001	159.30	153.85	80457
NRU1130	F3A100YR1D AY	18.86	19.24	-0.0001	36.17	33.38	776
NRU1150	F3A100YR1D AY	18.86	19.25	-0.0001	76.85	73.99	79730
NRU1170	F3A100YR1D AY	18.86	19.25	0.0001	57.83	49.74	50005
NRU1182	F3A100YR1D AY	0.00	18.64	0.0000	18.24	18.09	2980
NRU1184	F3A100YR1D AY	0.00	18.73	0.0000	13.47	13.08	873
NRU1185	F3A100YR1D AY	0.00	19.31	0.0001	23.30	17.32	43653
NRU1186	F3A100YR1D AY	0.00	18.72	0.0000	5.83	4.83	790
NRU1188	F3A100YR1D AY	0.00	18.73	0.0000	13.30	5.38	37904

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1190	F3A100YR1D AY	18.86	19.15	0.0000	9.84	7.79	576
NRU1210	F3A100YR1D AY	18.86	19.12	0.0000	7.79	6.71	720
NRU1220	F3A100YR1D AY	0.00	19.38	0.0001	37.75	36.82	2046
NRU1225	F3A100YR1D AY	0.00	23.04	0.0000	8.41	8.08	8973
NRU1230	F3A100YR1D AY	18.88	18.73	0.0002	678.94	679.07	4555
NRU1232	F3A100YR1D AY	0.00	18.37	0.0008	704.37	704.50	3681
NRU1234	F3A100YR1D AY	0.00	19.23	-0.0001	29.95	29.83	13665
NRU1240	F3A100YR1D AY	0.00	19.24	-0.0001	22.36	21.89	12156
NRU1250	F3A100YR1D AY	4.07	4.88	-0.0004	303.01	304.37	2104
NRU1270	F3A100YR1D AY	4.78	5.64	0.0004	297.34	297.35	1667
NRU1290	F3A100YR1D AY	5.41	6.41	-0.0002	281.07	281.15	3103
NRU1310	F3A100YR1D AY	6.42	7.59	0.0001	280.97	281.07	5051
NRU1330	F3A100YR1D AY	8.29	9.93	0.0001	350.72	350.46	3357
NRU1350	F3A100YR1D AY	9.32	11.32	0.0001	344.11	341.78	7706
NRU1370	F3A100YR1D AY	11.03	13.74	0.0001	348.55	334.61	25488
NRU1390	F3A100YR1D AY	11.84	13.78	0.0001	105.10	71.57	63194
NRU1410	F3A100YR1D AY	12.56	14.88	0.0002	272.20	272.28	7257
NRU1430	F3A100YR1D AY	15.53	16.89	-0.0001	91.58	41.38	129299
NRU1450	F3A100YR1D AY	15.94	16.40	0.0001	64.17	63.66	13938
NRU1470	F3A100YR1D AY	15.97	16.45	0.0001	6.65	6.69	980
NRU1490	F3A100YR1D AY	16.09	16.65	0.0001	15.18	12.30	24399
NRU1510	F3A100YR1D AY	15.12	17.74	0.0001	234.29	226.05	176590
NRU1530	F3A100YR1D AY	15.71	17.75	-0.0001	101.12	107.57	50503
NRU1550	F3A100YR1D	15.40	17.75	0.0000	121.59	126.56	42724

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NRU1570	F3A100YR1D AY	16.20	18.13	0.0000	58.54	51.88	39314
NRU1590	F3A100YR1D AY	16.40	18.13	0.0000	13.50	8.40	18410
NRU1610	F3A100YR1D AY	16.56	18.37	0.0000	55.85	46.47	54760
NRU1630	F3A100YR1D AY	16.69	18.38	-0.0002	37.29	37.35	1538
NRU1650	F3A100YR1D AY	16.84	18.38	0.0000	49.01	37.46	53525
NRU1670	F3A100YR1D AY	16.89	18.38	0.0000	125.03	35.83	233359
NRU1690	F3A100YR1D AY	16.89	18.26	0.0000	62.02	60.78	38135
NRU1710	F3A100YR1D AY	16.60	18.28	0.0001	34.47	34.20	1426
NRU1730	F3A100YR1D AY	16.58	18.36	0.0000	106.18	25.84	195266
NRU1750	F3A100YR1D AY	16.58	18.36	-0.0001	14.82	16.87	720
NRU1770	F3A100YR1D AY	16.58	18.36	0.0000	45.52	42.93	14995
NRU1790	F3A100YR1D AY	17.21	18.43	0.0000	27.09	24.45	40893
NRU1810	F3A100YR1D AY	16.58	18.36	0.0000	15.32	8.35	40629
NRU1830	F3A100YR1D AY	17.12	18.62	0.0000	46.72	29.63	66474
NRU1850	F3A100YR1D AY	17.07	18.32	-0.0001	25.08	25.05	1054
NRU1870	F3A100YR1D AY	17.20	18.43	-0.0001	25.11	25.08	907
NRU1890	F3A100YR1D AY	17.38	18.63	0.0000	70.03	25.11	129038
NRU1910	F3A100YR1D AY	17.71	18.63	0.0000	34.02	22.87	51878
NRU1930	F3A100YR1D AY	15.71	17.75	0.0000	66.63	88.15	161476
NRU1950	F3A100YR1D AY	16.43	17.95	0.0000	56.50	56.75	1646
NRU1970	F3A100YR1D AY	16.86	18.08	0.0000	56.25	56.50	1037
NRU1990	F3A100YR1D AY	17.09	18.14	-0.0001	56.00	56.25	7391
NRU2010	F3A100YR1D AY	18.02	18.72	0.0001	12.63	10.81	8382

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU2030	F3A100YR1D AY	18.39	18.73	-0.0001	20.47	19.31	44037
NRU2050	F3A100YR1D AY	18.40	18.80	0.0001	4.79	3.18	453
NRU2070	F3A100YR1D AY	18.41	18.81	0.0000	8.83	4.79	20098
NRU2090	F3A100YR1D AY	17.16	18.22	-0.0001	48.39	48.52	14587
NRU2110	F3A100YR1D AY	17.28	18.32	0.0000	46.06	46.20	18739
NRU2130	F3A100YR1D AY	17.49	18.40	-0.0001	45.40	45.54	12189
NRU2150	F3A100YR1D AY	17.69	18.63	0.0001	13.40	6.65	64042
NRU2170	F3A100YR1D AY	17.07	18.53	0.0001	3.85	3.92	769
NRU2190	F3A100YR1D AY	17.08	18.53	0.0000	19.41	3.85	65700
NRU2210	F3A100YR1D AY	17.33	18.39	0.0001	8.75	8.91	539
NRU2230	F3A100YR1D AY	17.33	18.39	0.0000	71.80	20.99	156307
NRU2250	F3A100YR1D AY	17.31	18.38	0.0001	17.28	10.78	45922
NRU2270	F3A100YR1D AY	17.61	18.43	0.0001	32.63	30.75	16999
NRU2290	F3A100YR1D AY	17.67	18.43	-0.0001	28.66	28.78	7419
NRU2310	F3A100YR1D AY	17.68	18.43	0.0001	25.62	26.87	16255
NRU2330	F3A100YR1D AY	17.68	18.44	0.0002	32.09	10.92	11382
NRU2350	F3A100YR1D AY	17.68	18.44	-0.0004	6.18	30.86	655
NRU2370	F3A100YR1D AY	17.37	18.29	0.0001	6.06	6.18	528
NRU2390	F3A100YR1D AY	17.36	18.30	0.0000	17.32	6.06	37923
NRU2410	F3A100YR1D AY	17.72	18.39	0.0001	27.61	27.53	21920
NRU2430	F3A100YR1D AY	17.83	18.39	0.0001	23.32	22.91	16369
NRU2450	F3A100YR1D AY	18.06	18.39	0.0001	10.47	9.54	19732
NRU2470	F3A100YR1D AY	15.72	17.76	0.0000	13.85	13.68	1460
NRU2490	F3A100YR1D	15.75	17.79	0.0000	14.16	13.85	1430

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NRU2510	F3A100YR1D AY	15.75	17.83	0.0001	11.03	11.35	959
NRU2530	F3A100YR1D AY	15.76	18.00	0.0001	10.78	11.03	582
NRU2550	F3A100YR1D AY	16.53	17.78	0.0001	251.76	244.50	107181
NRU2570	F3A100YR1D AY	17.71	18.73	0.0001	243.59	238.09	112619
NRU2590	F3A100YR1D AY	18.30	18.75	0.0001	35.96	30.85	9958
NRU2610	F3A100YR1D AY	18.62	19.30	0.0001	119.21	118.85	31633
NRU2630	F3A100YR1D AY	19.41	19.74	0.0001	103.76	103.29	80366
NRU2650	F3A100YR1D AY	19.54	20.16	0.0002	93.38	91.60	99115
NRU2670	F3A100YR1D AY	16.64	17.19	0.0000	46.81	44.46	20727
NRU2690	F3A100YR1D AY	17.09	18.15	0.0000	292.57	127.49	605356
NSH02	F3A100YR1D AY	0.00	21.33	-0.0005	22.38	110.55	20448
NSH03	F3A100YR1D AY	0.00	19.44	-0.0227	5.65	12.94	767
NSH04	F3A100YR1D AY	0.00	17.86	0.0001	52.26	51.26	4605
NSH05	F3A100YR1D AY	0.00	11.34	-0.0001	802.01	804.37	5036
NSH07	F3A100YR1D AY	0.00	8.51	0.0001	75.11	75.07	10355
NSH08	F3A100YR1D AY	0.00	10.24	0.0000	32.12	30.32	5115
NSH09	F3A100YR1D AY	0.00	10.75	0.0000	82.58	82.43	17705
NSH10	F3A100YR1D AY	0.00	19.17	0.0000	36.80	35.95	34170
NSH11	F3A100YR1D AY	0.00	21.15	0.0000	12.75	12.68	6845
NSH12	F3A100YR1D AY	0.00	11.23	-0.0004	806.83	978.88	4119
NSH13	F3A100YR1D AY	0.00	10.98	0.0011	1001.04	1027.11	4602
NSH14	F3A100YR1D AY	0.00	10.73	0.0025	1032.47	1020.85	1911
NSH15	F3A100YR1D AY	0.00	18.76	0.0000	9.14	9.08	6222

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSH16	F3A100YR1D AY	0.00	10.95	0.0003	47.31	48.55	641
NSH17	F3A100YR1D AY	0.00	10.48	0.0018	1021.60	1018.29	2161
NSH18	F3A100YR1D AY	0.00	10.29	0.0014	1039.36	878.35	3005
NSH19	F3A100YR1D AY	0.00	9.20	-0.0008	879.60	878.59	5396
NSH20	F3A100YR1D AY	0.00	20.24	0.0000	5.94	5.73	13766
NSH21	F3A100YR1D AY	0.00	11.24	-0.0001	30.37	30.29	11092
NSH22	F3A100YR1D AY	0.00	14.36	0.0001	46.67	46.37	8770
NSH23	F3A100YR1D AY	0.00	18.45	0.0000	20.07	19.86	5256
NSH24	F3A100YR1D AY	0.00	14.37	0.0001	32.21	31.79	8777
NSH25	F3A100YR1D AY	0.00	14.12	-0.0001	28.71	26.90	13269
NSH26	F3A100YR1D AY	0.00	13.95	-0.0001	113.74	105.22	61110
NSH26A	F3A100YR1D AY	0.00	12.99	0.0001	47.39	47.31	2058
NSH27	F3A100YR1D AY	0.00	13.03	0.0000	26.14	21.17	39051
NSH27A	F3A100YR1D AY	0.00	12.95	0.0000	18.09	16.51	921
NSH27AA	F3A100YR1D AY	0.00	12.99	0.0001	11.74	12.11	562
NSH27B	F3A100YR1D AY	0.00	11.64	-0.0001	16.51	17.61	1032
NSH27C	F3A100YR1D AY	0.00	9.39	-0.0003	17.61	16.65	1036
NSH28	F3A100YR1D AY	0.00	9.91	0.0000	39.88	39.45	10967
NSH29	F3A100YR1D AY	0.00	9.78	-0.0001	17.96	13.62	8428
NSH31	F3A100YR1D AY	0.00	9.88	0.0001	8.26	5.50	480
NSH33	F3A100YR1D AY	0.00	16.63	0.0000	3.85	3.65	8887
NSH34	F3A100YR1D AY	0.00	9.48	0.0001	82.79	82.75	6493
NSH35	F3A100YR1D AY	0.00	8.10	-0.0001	84.85	84.83	4778
NSH36	F3A100YR1D	0.00	8.07	0.0002	22.88	21.98	805

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NSH37	F3A100YR1D AY	0.00	10.85	0.0014	1031.88	1032.02	2110
NSH41	F3A100YR1D AY	0.00	14.78	0.0000	7.22	7.20	466
NSH42	F3A100YR1D AY	0.00	7.37	0.0004	89.49	89.35	1025
NSH43	F3A100YR1D AY	0.00	7.43	0.0006	48.95	49.05	507
NSH44	F3A100YR1D AY	0.00	9.79	-0.0001	57.83	57.83	833
NSH45	F3A100YR1D AY	0.00	16.54	0.0000	54.11	53.08	29464
NSH48	F3A100YR1D AY	0.00	18.46	0.0000	24.85	24.70	5822
NSH49	F3A100YR1D AY	0.00	20.41	-0.0001	26.23	24.65	5034
NSH50	F3A100YR1D AY	0.00	17.19	-0.0011	734.36	734.43	6021
NSH51	F3A100YR1D AY	0.00	19.06	-0.0001	52.53	47.45	15799
NSH52	F3A100YR1D AY	0.00	17.46	-0.0012	729.97	730.10	4052
NSH53	F3A100YR1D AY	0.00	17.92	0.0002	63.17	62.45	1030
NSH53B	F3A100YR1D AY	0.00	17.57	-0.0004	40.70	39.44	448
NSH54	F3A100YR1D AY	0.00	17.88	0.0001	36.02	33.52	1255
NSH55	F3A100YR1D AY	0.00	18.12	0.0005	712.30	712.34	5311
NSH55B	F3A100YR1D AY	0.00	18.15	0.0001	15.94	14.68	447
NSH56	F3A100YR1D AY	0.00	18.75	0.0001	8.53	8.85	5053
NSH57	F3A100YR1D AY	0.00	19.24	-0.0001	17.30	17.14	5820
NSH60	F3A100YR1D AY	0.00	19.66	-0.0001	23.93	23.88	436
NSH61	F3A100YR1D AY	0.00	17.29	0.0000	23.88	23.69	451
NSH65	F3A100YR1D AY	0.00	21.07	0.0000	5.77	5.40	470
NSH71	F3A100YR1D AY	9999.00	18.38	0.0000	29.31	29.21	2463
NSH75	F3A100YR1D AY	0.00	7.49	0.0024	899.13	899.19	4066

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSH76	F3A100YR1D AY	0.00	6.12	-0.0109	887.38	887.33	2030
NSH80	F3A100YR1D AY	0.00	16.69	0.0012	750.06	750.28	6657
NSH81	F3A100YR1D AY	0.00	20.81	0.0000	0.68	0.07	2614
NSH82	F3A100YR1D AY	0.00	20.92	0.0000	3.47	3.02	7642
NSH83	F3A100YR1D AY	0.00	16.98	-0.0001	31.86	31.74	1486
NSH85	F3A100YR1D AY	0.00	16.53	-0.0014	752.78	752.77	4681
NSHSelmonD S	F3A100YR1D AY	9999.00	12.29	0.0002	800.47	800.77	6356
NSHSelmonU S	F3A100YR1D AY	9999.00	15.33	0.0002	769.65	769.69	3189
NSR0000	F3A100YR1D AY	2.00	2.00	0.0000	330.26	49.82	0
NSR0005	F3A100YR1D AY	2.00	2.00	0.0000	11.15	0.00	0
NSR0010	F3A100YR1D AY	2.00	2.00	0.0000	577.50	0.00	0
NSR0030	F3A100YR1D AY	2.92	3.92	0.0000	579.75	577.50	223562
NSR0032	F3A100YR1D AY	4.88	5.39	0.0000	21.10	18.83	25764
NSR0034	F3A100YR1D AY	3.63	4.27	0.0000	115.06	98.27	98716
NSR0050	F3A100YR1D AY	3.44	4.62	0.0000	561.91	559.49	129195
NSR0070	F3A100YR1D AY	3.45	4.45	-0.0001	35.49	18.90	78909
NSR0090	F3A100YR1D AY	3.68	4.28	-0.0001	57.03	43.65	56305
NSR0100	F3A100YR1D AY	2.25	4.00	0.0000	11.35	11.15	3441
NSR0102	F3A100YR1D AY	4.24	4.63	0.0000	6.18	5.54	4275
NSR0105	F3A100YR1D AY	1.91	3.11	-0.0300	330.29	330.26	484
NSR0110	F3A100YR1D AY	3.93	4.83	0.0000	77.06	76.27	40203
NSR0112	F3A100YR1D AY	2.31	3.60	0.0301	329.26	329.25	469
NSR0115	F3A100YR1D AY	4.25	4.45	0.0000	5.73	5.46	10006
NSR0120	F3A100YR1D	2.62	4.00	0.0227	326.88	326.93	479

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NSR0130	F3A100YR1D AY	4.16	5.21	0.0000	75.00	74.57	48908
NSR0135	F3A100YR1D AY	4.22	5.60	0.0000	60.61	60.48	44425
NSR0140	F3A100YR1D AY	3.28	4.84	-0.0158	324.20	324.28	10064
NSR0150	F3A100YR1D AY	3.64	5.08	0.0002	443.41	444.50	29727
NSR0160	F3A100YR1D AY	3.56	5.15	0.0118	307.50	306.71	26365
NSR0165	F3A100YR1D AY	4.03	5.65	0.0000	132.37	132.24	36045
NSR0170	F3A100YR1D AY	3.70	5.24	0.0000	79.28	79.23	17359
NSR0180	F3A100YR1D AY	3.83	5.63	0.0000	139.67	136.19	47406
NSR0190	F3A100YR1D AY	4.04	5.29	-0.0001	59.36	59.89	6393
NSR0210	F3A100YR1D AY	4.26	5.97	-0.0001	59.23	59.07	22348
NSR0230	F3A100YR1D AY	4.26	5.98	0.0000	82.85	58.63	164602
NSR0250	F3A100YR1D AY	3.93	5.27	-0.0051	415.36	415.07	12764
NSR0270	F3A100YR1D AY	3.98	5.33	0.0000	198.81	191.71	118772
NSR0280	F3A100YR1D AY	5.41	6.11	-0.0006	358.08	357.64	50511
NSR0281	F3A100YR1D AY	5.97	6.82	0.0002	287.74	287.48	23773
NSR0290	F3A100YR1D AY	6.70	7.29	-0.0007	190.03	188.98	45830
NSR0310	F3A100YR1D AY	9.28	9.57	0.0001	164.42	163.26	77612
NSR0330	F3A100YR1D AY	9.65	10.31	-0.0001	9.85	9.86	470
NSR0350	F3A100YR1D AY	10.32	11.70	-0.0001	9.86	9.85	446
NSR0370	F3A100YR1D AY	10.35	11.73	0.0000	18.60	9.86	22303
NSR0390	F3A100YR1D AY	11.96	12.44	-0.0001	142.36	142.00	80799
NSR0410	F3A100YR1D AY	12.27	13.16	0.0001	9.10	9.67	510
NSR0430	F3A100YR1D AY	12.28	13.17	0.0000	15.33	9.10	33866

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0450	F3A100YR1D AY	13.04	14.22	-0.0001	87.32	87.10	42530
NSR0470	F3A100YR1D AY	13.10	14.68	-0.0002	64.22	64.13	16718
NSR0490	F3A100YR1D AY	4.41	5.42	0.0086	244.81	241.68	52797
NSR0510	F3A100YR1D AY	4.48	5.58	0.0024	121.85	119.68	27069
NSR0530	F3A100YR1D AY	4.55	5.67	0.0003	57.72	56.06	79654
NSR0540	F3A100YR1D AY	4.55	5.73	0.0005	172.05	166.83	116980
NSR0550	F3A100YR1D AY	4.56	5.73	0.0015	398.56	396.90	34624
NSR0560	F3A100YR1D AY	4.66	5.78	0.0002	192.58	187.84	128803
NSR0570	F3A100YR1D AY	5.28	5.94	0.0003	290.53	289.91	65116
NSR0580	F3A100YR1D AY	6.13	6.91	-0.0001	39.49	21.18	124719
NSR0590	F3A100YR1D AY	6.15	6.93	-0.0001	157.08	155.85	82872
NSR0610	F3A100YR1D AY	6.26	6.99	-0.0002	183.86	175.38	85496
NSR0630	F3A100YR1D AY	6.26	6.99	-0.0001	16.59	16.65	475
NSR0650	F3A100YR1D AY	6.25	6.95	-0.0001	159.20	117.42	222954
NSR0660	F3A100YR1D AY	6.13	6.90	-0.0001	110.71	107.67	79937
NSR0670	F3A100YR1D AY	6.24	6.95	-0.0001	6.61	7.20	520
NSR0680	F3A100YR1D AY	6.14	6.83	-0.0001	149.59	147.27	173992
NSR0690	F3A100YR1D AY	6.24	6.94	-0.0001	6.23	6.61	599
NSR0710	F3A100YR1D AY	6.23	6.93	0.0000	6.15	6.23	861
NSR0730	F3A100YR1D AY	6.29	7.03	-0.0001	233.88	218.36	212424
NSR0770	F3A100YR1D AY	6.81	7.93	0.0001	237.96	237.66	30868
NSR0780	F3A100YR1D AY	6.74	7.45	-0.0001	93.16	92.36	30051
NSR0790	F3A100YR1D AY	8.35	10.96	-0.0003	485.66	484.65	92688
NSR0791	F3A100YR1D	7.13	8.84	0.0001	251.70	251.59	5596

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NSR0809	F3A100YR1D AY	12.76	12.03	0.0004	76.03	93.17	2122
NSR0810	F3A100YR1D AY	13.45	13.81	0.0000	330.30	330.11	60626
NSR0830	F3A100YR1D AY	15.10	15.69	-0.0001	430.06	428.28	180752
NSR0840	F3A100YR1D AY	16.09	16.44	0.0000	89.57	89.87	58175
NSR0850	F3A100YR1D AY	15.64	16.39	-0.0003	332.13	331.27	82336
NSR0860	F3A100YR1D AY	16.41	16.64	0.0001	21.12	21.01	18904
NSR0869	F3A100YR1D AY	16.03	16.75	0.0000	30.04	29.77	1504
NSR0870	F3A100YR1D AY	16.24	16.94	0.0001	278.49	278.34	53587
NSR0880	F3A100YR1D AY	16.24	16.98	0.0000	120.27	120.01	27261
NSR0881	F3A100YR1D AY	14.14	18.03	0.0005	456.38	454.84	194720
NSR0890	F3A100YR1D AY	4.02	5.29	0.0953	280.45	261.24	149656
NSR0910	F3A100YR1D AY	4.79	5.98	-0.0029	224.34	223.81	98874
NSR0930	F3A100YR1D AY	5.54	7.29	0.0000	301.61	50.28	338071
NSR0950	F3A100YR1D AY	5.63	7.30	0.0009	437.32	399.42	206425
NSR0970	F3A100YR1D AY	6.14	7.34	0.0003	142.00	141.87	3616
NSR0990	F3A100YR1D AY	6.27	7.35	0.0001	272.35	271.42	4554
NSR1010	F3A100YR1D AY	6.30	7.38	0.0000	67.42	64.07	20834
NSR1030	F3A100YR1D AY	8.54	9.55	0.0002	209.93	209.37	10071
NSR1050	F3A100YR1D AY	8.56	9.63	0.0000	154.57	151.11	32536
NSR1070	F3A100YR1D AY	9.58	9.88	-0.0014	309.59	305.99	74756
NSR1090	F3A100YR1D AY	11.30	11.52	-0.0002	173.37	173.46	8782
NSR1110	F3A100YR1D AY	11.57	11.61	0.0000	4.40	4.38	3049
NSR1130	F3A100YR1D AY	11.29	11.45	0.0000	49.26	49.19	16531

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR1150	F3A100YR1D AY	11.39	11.67	0.0000	10.62	9.77	13551
NSR1170	F3A100YR1D AY	11.38	11.65	0.0000	3.27	3.13	450
NSR1190	F3A100YR1D AY	12.70	13.46	0.0000	172.25	172.24	14610
NSR1210	F3A100YR1D AY	12.70	13.46	0.0000	37.40	7.70	99458
NSR1230	F3A100YR1D AY	14.76	15.62	0.0000	168.63	168.61	9770
NSR1270	F3A100YR1D AY	14.99	15.79	0.0000	168.65	168.63	6276
NSR1290	F3A100YR1D AY	14.99	15.80	0.0000	12.18	2.12	28260
NSR1310	F3A100YR1D AY	14.99	15.80	0.0000	46.51	14.13	186244
NSR1330	F3A100YR1D AY	15.44	16.61	0.0000	167.74	166.23	23781
NSR1350	F3A100YR1D AY	15.45	16.62	0.0000	62.93	34.54	388891
NSR1370	F3A100YR1D AY	15.56	16.69	-0.0001	172.84	166.53	21929
NSR1390	F3A100YR1D AY	15.56	16.69	0.0000	6.17	3.48	11395
NSR1410	F3A100YR1D AY	15.56	16.69	-0.0001	39.56	32.64	106936
NSR1430	F3A100YR1D AY	15.76	16.79	0.0000	81.47	77.70	63961
NSR1450	F3A100YR1D AY	15.74	16.79	0.0000	105.87	78.33	177795
NSR1470	F3A100YR1D AY	15.96	16.81	0.0000	84.07	77.62	95824
NSR1490	F3A100YR1D AY	16.21	16.83	0.0000	101.33	76.75	253590
NSR1510	F3A100YR1D AY	16.21	16.83	0.0000	56.67	49.16	86611
NSR1530	F3A100YR1D AY	15.56	16.69	0.0000	9.24	4.00	28595
NSR1550	F3A100YR1D AY	15.68	16.77	-0.0001	200.04	193.09	34955
NSR1570	F3A100YR1D AY	15.68	16.76	-0.0001	43.00	34.85	34037
NSR1590	F3A100YR1D AY	15.68	16.77	0.0001	82.11	94.37	64372
NSR1610	F3A100YR1D AY	15.75	16.82	0.0002	34.35	23.11	66247
NSR1630	F3A100YR1D	15.75	16.82	0.0000	115.14	110.46	21008

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NSR1650	F3A100YR1D AY	16.39	17.12	0.0000	5.20	5.20	537
NSR1670	F3A100YR1D AY	15.92	17.41	0.0003	149.92	133.50	105997
NSR1690	F3A100YR1D AY	16.24	17.62	0.0000	97.37	92.41	24231
NSR1710	F3A100YR1D AY	16.25	17.62	0.0000	13.21	10.64	46631
NSR1730	F3A100YR1D AY	16.32	17.66	0.0000	102.05	97.59	23092
NSR1750	F3A100YR1D AY	16.68	17.66	0.0000	5.47	5.35	6424
NSR1770	F3A100YR1D AY	17.23	17.58	0.0000	26.74	13.89	24458
NSR1790	F3A100YR1D AY	17.24	17.57	0.0000	33.09	18.02	42397
NSR1810	F3A100YR1D AY	17.25	17.57	0.0000	12.36	9.62	19435
NSR1830	F3A100YR1D AY	17.25	17.57	0.0000	118.30	114.35	125810
NSR1850	F3A100YR1D AY	16.95	18.32	0.0000	16.99	12.49	14336
NSR1870	F3A100YR1D AY	16.93	18.32	0.0001	114.04	36.21	188810
NSR1890	F3A100YR1D AY	16.05	18.32	0.0001	13.39	13.89	1056
NSR1910	F3A100YR1D AY	15.45	18.32	0.0004	203.13	196.01	184346
NSR1930	F3A100YR1D AY	16.53	17.72	0.0002	78.17	76.79	15338
NSR1950	F3A100YR1D AY	16.70	17.68	0.0000	28.25	28.10	16916
NSR1970	F3A100YR1D AY	16.84	18.14	0.0000	50.32	31.08	118002
NSR1990	F3A100YR1D AY	16.86	17.95	0.0000	9.07	9.07	949
NSR2010	F3A100YR1D AY	16.91	17.80	0.0000	26.47	12.34	63771
NSR2030	F3A100YR1D AY	16.90	17.64	0.0000	12.34	12.35	751
NSR2050	F3A100YR1D AY	16.88	17.39	0.0000	27.12	24.05	37256
NSR2070	F3A100YR1D AY	16.81	17.39	-0.0001	6.62	6.51	781
NSR2090	F3A100YR1D AY	16.72	17.38	0.0000	6.51	6.41	673

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR2110	F3A100YR1D AY	16.54	17.38	0.0000	27.49	23.62	44367
NSR2130	F3A100YR1D AY	16.50	16.64	0.0000	27.49	23.88	89275
NSR2150	F3A100YR1D AY	17.60	18.24	0.0000	107.38	65.99	285565
NSR2170	F3A100YR1D AY	17.62	18.25	0.0012	31.06	31.20	2087
NSR2190	F3A100YR1D AY	17.62	18.25	-0.0008	30.93	31.06	967
NSR2210	F3A100YR1D AY	17.62	18.26	0.0000	112.00	77.98	311679
NSR2230	F3A100YR1D AY	17.62	18.25	-0.0014	18.88	18.55	675
NSR2250	F3A100YR1D AY	17.63	18.26	0.0001	26.96	21.88	15515
NSR2270	F3A100YR1D AY	17.63	18.26	0.0001	34.17	23.42	52937
NSR2290	F3A100YR1D AY	17.63	18.26	-0.0001	18.45	18.21	888
NSR2310	F3A100YR1D AY	17.63	18.26	0.0000	26.66	19.32	41984
NSR2330	F3A100YR1D AY	17.65	18.42	0.0000	29.97	11.52	56438
NSR2350	F3A100YR1D AY	17.65	18.43	0.0000	39.58	15.43	109287
NSR2370	F3A100YR1D AY	16.66	18.12	0.0000	63.28	57.54	9676
NSR2390	F3A100YR1D AY	18.07	18.17	0.0000	21.60	16.43	73672
NSR2410	F3A100YR1D AY	16.66	18.13	0.0000	69.45	47.17	24152
NSR2430	F3A100YR1D AY	17.99	18.13	0.0000	4.77	4.75	4168
NSR2450	F3A100YR1D AY	18.06	18.31	0.0000	64.21	61.88	33680
NSR3000	F3A100YR1D AY	17.04	18.32	-0.0727	20.42	49.45	58332
NSR3005	F3A100YR1D AY	17.02	18.32	0.1453	49.45	4.05	566
NSR3020	F3A100YR1D AY	17.61	18.10	-0.0001	206.06	205.42	119077
NSR3040	F3A100YR1D AY	16.25	16.99	0.0000	249.75	246.64	144532
NSR3060	F3A100YR1D AY	16.21	16.84	0.0000	71.62	68.47	70538
NSW0010	F3A100YR1D	2.00	2.00	0.0000	33.37	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NSW0030	F3A100YR1D AY	2.13	3.45	0.0003	33.37	33.37	587
NSW0050	F3A100YR1D AY	4.04	6.45	-0.0003	57.43	33.37	57503
Outfall	F3A100YR1D AY	2.00	2.00	0.0000	142.26	0.00	0
Outfall_NE	F3A100YR1D AY	21.00	21.27	-0.0003	9.60	0.00	0
PondA	F3A100YR1D AY	0.00	19.22	0.0294	41.46	29.31	29802
PondB	F3A100YR1D AY	0.00	17.63	0.0000	212.65	145.38	193759
SH_OUTFALL	F3A100YR1D AY	2.00	2.00	0.0000	1208.21	36.97	0
STORAGE1	F3A100YR1D AY	0.00	20.87	0.0000	7.54	1.29	7405
STORAGE10	F3A100YR1D AY	0.00	21.07	0.0000	5.40	0.53	9148
STORAGE11	F3A100YR1D AY	0.00	21.33	0.0004	110.55	0.01	18648
STORAGE12	F3A100YR1D AY	0.00	21.81	0.0005	106.64	5.91	10262
STORAGE13	F3A100YR1D AY	0.00	19.00	0.0000	1.48	1.29	5323
STORAGE14	F3A100YR1D AY	0.00	23.04	0.0000	8.08	0.04	13395
STORAGE2	F3A100YR1D AY	0.00	19.30	0.0000	27.46	7.53	18426
STORAGE4	F3A100YR1D AY	0.00	19.45	0.0003	91.63	3.35	12088
STORAGE5	F3A100YR1D AY	0.00	21.53	0.0000	13.56	6.32	20042
STORAGE8	F3A100YR1D AY	0.00	18.93	0.0000	3.32	2.47	6098
STORAGE9	F3A100YR1D AY	0.00	19.66	0.0008	8.87	1.73	11761
Sevilla1	F3A100YR1D AY	1.20	2.61	0.0000	0.57	0.09	804
Sevilla2	F3A100YR1D AY	1.23	2.37	0.0000	0.28	0.04	610
Sevilla3	F3A100YR1D AY	1.20	2.61	0.0000	1.50	0.57	1339
Sevilla4	F3A100YR1D AY	1.20	2.61	0.0000	2.46	1.50	1450
Shamrock2	F3A100YR1D AY	1.11	2.37	0.0002	142.25	142.26	5389

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Shmrck1.1	F3A100YR1D AY	1.38	2.96	0.0002	144.51	142.28	6206
Shmrck1.2	F3A100YR1D AY	1.20	2.61	0.0003	142.28	142.27	3971
THEA_JUNCT 1	F3A100YR1D AY	0.00	14.83	0.0000	37.15	37.14	667
THEA_JUNCT 2	F3A100YR1D AY	0.00	13.78	0.0000	37.14	37.14	501
THEA_Watrou s	F3A100YR1D AY	0.00	16.85	0.0002	37.17	37.15	812
V3	F3A100YR1D AY	6.53	6.63	0.0000	1.65	1.47	36742
BC_N02	F3A10YR1DA Y	0.00	18.00	0.0000	0.00	0.00	0
Church1	F3A10YR1DA Y	8.77	9.69	0.0000	0.49	0.31	533
Church2	F3A10YR1DA Y	8.77	9.69	0.0000	6.13	5.30	4390
Clark1	F3A10YR1DA Y	7.21	8.13	0.0000	0.83	0.55	742
Clark2	F3A10YR1DA Y	7.21	8.13	-0.0001	60.44	59.99	20681
DM1	F3A10YR1DA Y	11.42	11.75	0.0000	6.03	6.16	1409
DM2	F3A10YR1DA Y	10.30	10.53	0.0000	6.16	5.95	2165
DM3	F3A10YR1DA Y	9.16	9.75	0.0000	5.95	6.13	2979
E_Outlet	F3A10YR1DA Y	0.00	16.39	0.0002	84.68	41.17	0
E_Outlet2	F3A10YR1DA Y	0.00	17.00	0.0000	0.00	0.00	0
EIP_Hes.1	F3A10YR1DA Y	1.99	2.74	0.0000	0.39	0.29	763
EIP_con.1	F3A10YR1DA Y	2.18	2.90	-0.0001	71.10	71.07	4221
EIPrad.1	F3A10YR1DA Y	1.99	2.74	0.0000	0.19	0.12	632
G1	F3A10YR1DA Y	14.98	15.74	-0.0004	84.00	67.09	40774
G10	F3A10YR1DA Y	8.77	9.68	0.0001	60.83	60.44	4601
G2	F3A10YR1DA Y	14.99	15.70	-0.0003	27.13	37.65	32918
G3	F3A10YR1DA Y	14.86	15.68	-0.0005	103.82	93.14	27806
G4	F3A10YR1DA	12.82	14.75	-0.0005	93.14	90.13	57240

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
G5	F3A10YR1DA Y	11.69	13.34	0.0001	69.20	69.16	1864
G6	F3A10YR1DA Y	11.00	9.24	0.0000	11.29	0.00	0
G7	F3A10YR1DA Y	11.00	11.68	0.0000	69.16	69.03	3601
G8	F3A10YR1DA Y	10.07	10.68	0.0000	57.77	57.59	2143
G9	F3A10YR1DA Y	9.41	10.08	0.0001	57.59	57.38	1353
H1	F3A10YR1DA Y	1.99	2.74	0.0000	0.14	0.12	514
H2.1	F3A10YR1DA Y	1.99	2.74	-0.0001	71.07	71.04	6105
Hubert	F3A10YR1DA Y	3.16	3.60	0.0000	59.96	59.58	5965
JUNCT1	F3A10YR1DA Y	0.00	13.82	0.0000	0.63	0.55	1154
JUNCT10	F3A10YR1DA Y	0.00	22.09	0.0000	53.30	53.08	10692
JUNCT2	F3A10YR1DA Y	0.00	14.06	0.0000	11.55	11.48	1729
JUNCT3	F3A10YR1DA Y	0.00	19.64	0.0000	0.00	0.00	436
JUNCT4	F3A10YR1DA Y	0.00	13.61	0.0000	2.36	2.32	4670
JUNCT6	F3A10YR1DA Y	0.00	15.84	0.0000	76.74	76.42	9316
JUNCT7	F3A10YR1DA Y	0.00	19.51	0.0000	96.56	96.44	8387
JUNCT7B	F3A10YR1DA Y	0.00	19.00	0.0000	96.44	97.18	25981
JUNCT8	F3A10YR1DA Y	0.00	19.51	0.0000	157.97	157.55	11633
JUNCT8B	F3A10YR1DA Y	0.00	19.01	0.0000	160.67	162.51	36582
JUNCT9	F3A10YR1DA Y	0.00	29.51	0.0000	48.93	48.97	9424
L1	F3A10YR1DA Y	11.53	11.86	0.0000	21.06	21.65	51703
L2	F3A10YR1DA Y	11.63	11.71	0.0000	4.39	4.05	41893
L3	F3A10YR1DA Y	10.43	10.47	0.0000	1.59	1.32	32936
L4	F3A10YR1DA Y	8.43	8.45	0.0000	0.60	0.38	50837

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
L5	F3A10YR1DA Y	7.63	7.64	0.0000	0.15	0.11	43662
L6	F3A10YR1DA Y	6.93	6.94	0.0000	0.04	0.03	43812
Lois	F3A10YR1DA Y	4.82	4.96	-0.0001	59.99	59.96	6808
M1	F3A10YR1DA Y	2.58	6.31	-0.0002	18.01	16.43	24804
M1.1	F3A10YR1DA Y	6.33	6.69	0.0000	21.59	18.01	35066
M1.2	F3A10YR1DA Y	7.03	7.27	0.0000	18.96	20.89	28312
M1.3	F3A10YR1DA Y	7.13	7.50	0.0000	17.53	16.66	28489
M2	F3A10YR1DA Y	2.58	5.63	-0.0005	16.61	12.56	60345
M3	F3A10YR1DA Y	2.58	4.91	0.0000	12.56	12.56	1185
M4	F3A10YR1DA Y	2.58	3.83	0.0000	12.56	12.57	909
M5.1	F3A10YR1DA Y	2.57	3.22	0.0000	71.16	71.11	6163
M6	F3A10YR1DA Y	2.58	3.22	0.0000	0.38	0.23	558
N01	F3A10YR1DA Y	0.00	19.49	0.0000	27.56	20.14	26777
N01A	F3A10YR1DA Y	0.00	19.14	0.0001	9.99	9.74	456
N02	F3A10YR1DA Y	0.00	16.17	0.0001	24.96	24.56	692
N03	F3A10YR1DA Y	0.00	16.54	0.0000	1.73	1.70	595
N04	F3A10YR1DA Y	0.00	18.61	0.0001	10.65	10.53	643
N05	F3A10YR1DA Y	0.00	16.12	0.0000	74.38	73.92	4408
N06	F3A10YR1DA Y	0.00	15.69	0.0002	66.34	66.62	3292
N07A	F3A10YR1DA Y	0.00	14.50	0.0001	71.74	72.10	4248
N08A	F3A10YR1DA Y	0.00	13.36	0.0002	106.21	106.28	1955
N09	F3A10YR1DA Y	0.00	11.70	0.0001	11.19	10.83	468
N09A	F3A10YR1DA Y	0.00	11.55	0.0003	114.54	114.54	1361
N10	F3A10YR1DA	2.00	2.00	0.0000	243.86	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
N11	F3A10YR1DA Y	0.00	16.59	-0.0007	61.72	84.68	145220
NBB0010	F3A10YR1DA Y	2.00	2.00	0.0000	128.30	0.00	0
NBB0030	F3A10YR1DA Y	5.03	6.84	0.0004	128.30	128.30	557
NBB0050	F3A10YR1DA Y	9.15	11.69	-0.0003	161.52	128.30	57557
NBB0070	F3A10YR1DA Y	11.30	13.32	0.0001	112.69	111.81	2549
NBB0090	F3A10YR1DA Y	12.67	13.86	0.0001	98.65	98.22	2257
NBB0110	F3A10YR1DA Y	13.46	14.72	0.0001	91.92	92.38	1982
NBB0130	F3A10YR1DA Y	15.26	16.59	-0.0003	42.66	28.25	43108
NBB0150	F3A10YR1DA Y	14.01	15.20	0.0001	71.84	71.97	1935
NBB0170	F3A10YR1DA Y	14.74	15.84	0.0001	71.71	71.84	1452
NBB0190	F3A10YR1DA Y	15.42	16.44	0.0001	71.59	71.71	32975
NBB0210	F3A10YR1DA Y	15.70	16.59	0.0001	69.23	69.34	1556
NBB0230	F3A10YR1DA Y	16.02	16.78	0.0001	69.12	69.23	4110
NBB0250	F3A10YR1DA Y	16.31	17.07	0.0001	68.35	68.47	2036
NBB0270	F3A10YR1DA Y	17.05	17.51	0.0001	67.68	68.35	14617
NBB0290	F3A10YR1DA Y	17.06	17.51	0.0001	56.02	54.31	1258
NBB0310	F3A10YR1DA Y	17.07	17.51	-0.0002	173.31	103.85	358779
NBB0330	F3A10YR1DA Y	16.57	16.84	0.0002	40.51	38.86	17533
NBB0350	F3A10YR1DA Y	16.45	16.82	0.0002	27.50	28.54	1396
NBB0370	F3A10YR1DA Y	16.33	16.79	0.0002	72.38	52.95	60765
NBB0390	F3A10YR1DA Y	16.32	16.79	0.0002	21.13	22.01	1835
NBB0410	F3A10YR1DA Y	16.30	16.79	-0.0002	64.51	52.57	37661
NBB0430	F3A10YR1DA Y	15.45	15.83	-0.0003	101.46	98.35	67617

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW0010	F3A10YR1DA Y	2.00	2.00	0.0000	708.32	0.00	0
NBW0030	F3A10YR1DA Y	3.39	3.88	0.0002	708.86	708.32	44889
NBW0050	F3A10YR1DA Y	3.92	4.14	0.0000	11.00	9.41	5826
NBW0070	F3A10YR1DA Y	3.57	4.16	-0.0003	228.79	519.20	35974
NBW0090	F3A10YR1DA Y	3.66	3.89	0.0000	7.32	5.84	14921
NBW0130	F3A10YR1DA Y	3.73	4.33	0.0000	226.68	227.73	14482
NBW0150	F3A10YR1DA Y	3.93	4.35	0.0001	10.31	9.92	1933
NBW0170	F3A10YR1DA Y	3.98	4.35	0.0001	5.53	4.16	10274
NBW0190	F3A10YR1DA Y	3.89	4.48	0.0001	225.04	225.27	5978
NBW0210	F3A10YR1DA Y	6.25	6.34	0.0000	9.58	9.38	6143
NBW0230	F3A10YR1DA Y	4.01	4.63	0.0001	224.16	224.29	3871
NBW0250	F3A10YR1DA Y	4.88	5.55	0.0000	223.33	223.40	5589
NBW0270	F3A10YR1DA Y	5.49	5.66	0.0001	45.31	40.61	23897
NBW0290	F3A10YR1DA Y	5.91	5.95	0.0000	34.54	35.03	13014
NBW0310	F3A10YR1DA Y	6.38	6.64	0.0000	12.01	11.36	4673
NBW0330	F3A10YR1DA Y	5.50	6.33	0.0000	218.46	218.34	23494
NBW0350	F3A10YR1DA Y	4.97	4.97	0.0000	9.27	9.26	2521
NBW0370	F3A10YR1DA Y	5.52	6.33	-0.0001	11.02	9.90	6170
NBW0390	F3A10YR1DA Y	5.52	6.33	-0.0001	11.37	8.67	26803
NBW0410	F3A10YR1DA Y	5.54	6.39	0.0001	215.12	215.37	3446
NBW0430	F3A10YR1DA Y	5.89	6.76	0.0000	6.95	6.12	14886
NBW0450	F3A10YR1DA Y	5.89	6.76	0.0001	215.90	215.12	11715
NBW0470	F3A10YR1DA Y	5.89	6.76	0.0000	5.07	4.25	9989
NBW0490	F3A10YR1DA	5.92	6.82	-0.0001	214.04	214.20	3151

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NBW0510	F3A10YR1DA Y	6.72	6.82	0.0001	4.14	4.13	1674
NBW0530	F3A10YR1DA Y	6.22	7.19	0.0000	213.71	213.53	4802
NBW0550	F3A10YR1DA Y	6.72	7.89	0.0000	171.79	161.60	223700
NBW0570	F3A10YR1DA Y	7.09	7.86	0.0000	166.31	165.35	22184
NBW0590	F3A10YR1DA Y	10.03	10.09	-0.0003	235.52	234.60	84766
NBW0610	F3A10YR1DA Y	6.45	7.42	-0.0001	193.04	192.97	8693
NBW0630	F3A10YR1DA Y	6.22	7.19	0.0000	6.39	2.82	39869
NBW0650	F3A10YR1DA Y	6.66	7.85	0.0000	194.12	193.36	21532
NBW0670	F3A10YR1DA Y	6.66	7.85	0.0000	9.82	4.55	32916
NBW0690	F3A10YR1DA Y	6.71	7.88	-0.0001	151.56	151.92	10003
NBW0710	F3A10YR1DA Y	6.71	7.88	0.0000	15.79	10.15	42852
NBW0730	F3A10YR1DA Y	6.72	7.89	-0.0001	143.13	146.34	195442
NBW0750	F3A10YR1DA Y	7.06	7.91	0.0001	166.15	159.58	100448
NBW0770	F3A10YR1DA Y	7.06	7.91	-0.0002	28.02	21.86	22937
NBW0790	F3A10YR1DA Y	8.11	8.08	0.0000	23.88	23.70	1403
NBW0810	F3A10YR1DA Y	7.06	7.91	0.0000	50.45	36.80	36689
NBW0830	F3A10YR1DA Y	8.41	8.22	-0.0001	36.96	36.71	2097
NBW0850	F3A10YR1DA Y	10.17	9.51	0.0001	35.90	33.75	4537
NBW0870	F3A10YR1DA Y	7.06	7.94	0.0000	136.75	121.86	186225
NBW0890	F3A10YR1DA Y	7.06	7.92	-0.0004	16.76	17.38	1027
NBW0910	F3A10YR1DA Y	7.06	7.92	-0.0001	145.02	137.02	128672
NBW0930	F3A10YR1DA Y	8.03	8.20	-0.0001	40.41	40.33	1301
NBW0950	F3A10YR1DA Y	8.82	8.60	-0.0001	53.98	40.41	73190

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW0970	F3A10YR1DA Y	8.82	8.60	0.0002	36.37	35.17	18236
NBW0990	F3A10YR1DA Y	8.82	8.62	-0.0003	14.86	14.60	785
NBW1010	F3A10YR1DA Y	8.83	8.72	0.0000	35.74	35.72	1120
NBW1030	F3A10YR1DA Y	9.19	10.56	0.0000	74.15	35.13	51498
NBW1050	F3A10YR1DA Y	9.30	10.57	-0.0001	17.92	17.45	900
NBW1070	F3A10YR1DA Y	9.34	10.57	0.0000	177.80	167.38	66411
NBW1090	F3A10YR1DA Y	3.78	4.32	0.0001	433.24	432.85	13438
NBW1130	F3A10YR1DA Y	4.51	5.24	-0.0001	74.42	74.27	26352
NBW1150	F3A10YR1DA Y	4.53	5.26	-0.0001	77.66	75.96	61480
NBW1169	F3A10YR1DA Y	4.09	4.57	0.0000	418.21	416.83	17276
NBW1170	F3A10YR1DA Y	4.30	4.76	0.0001	412.40	411.89	6246
NBW1190	F3A10YR1DA Y	6.13	6.40	-0.0001	39.19	35.28	52856
NBW1210	F3A10YR1DA Y	7.17	7.43	-0.0003	132.46	125.69	124490
NBW1230	F3A10YR1DA Y	7.17	7.45	-0.0002	186.91	118.99	183986
NBW1250	F3A10YR1DA Y	4.74	5.26	-0.0001	371.01	370.07	7386
NBW1270	F3A10YR1DA Y	6.14	6.40	-0.0001	11.86	12.80	14780
NBW1310	F3A10YR1DA Y	5.21	5.64	0.0003	435.85	368.43	8354
NBW1330	F3A10YR1DA Y	7.56	9.05	-0.0043	330.69	380.40	3075
NBW1350	F3A10YR1DA Y	10.95	11.68	0.0002	38.08	38.35	8594
NBW1351	F3A10YR1DA Y	8.89	10.62	0.0004	269.17	271.19	8277
NBW1352	F3A10YR1DA Y	9.96	11.93	0.0006	261.03	261.26	7956
NBW1353	F3A10YR1DA Y	11.01	13.20	0.0005	258.98	259.21	8196
NBW1370	F3A10YR1DA Y	10.02	10.96	0.0004	209.47	224.07	39918
NBW1390	F3A10YR1DA	15.24	15.41	0.0004	272.95	272.12	121925

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NBW1410	F3A10YR1DA Y	15.58	15.68	0.0003	190.74	186.70	25092
NBW1430	F3A10YR1DA Y	15.79	15.81	-0.0002	159.82	164.13	20694
NBW1450	F3A10YR1DA Y	16.94	17.02	-0.0004	248.06	247.84	112974
NBW1460	F3A10YR1DA Y	16.43	16.52	-0.0002	153.05	153.89	4273
NBW1470	F3A10YR1DA Y	17.14	17.30	-0.0002	270.37	264.61	194415
NBW1480	F3A10YR1DA Y	18.11	18.16	0.0001	13.24	12.74	16205
NBW1490	F3A10YR1DA Y	17.86	18.14	-0.0001	168.94	166.23	88594
NBW1510	F3A10YR1DA Y	18.12	18.37	0.0003	122.19	120.22	25085
NBW1530	F3A10YR1DA Y	17.92	18.31	0.0001	17.71	12.41	1197
NBW1550	F3A10YR1DA Y	17.75	18.26	-0.0001	38.24	33.61	16790
NBW1570	F3A10YR1DA Y	18.21	18.54	0.0002	122.06	117.18	2604
NBW1590	F3A10YR1DA Y	18.12	18.37	0.0001	43.15	36.58	20408
NBW1610	F3A10YR1DA Y	18.13	18.37	0.0001	33.20	31.67	13213
NBW1630	F3A10YR1DA Y	18.13	18.27	0.0001	23.09	23.08	1807
NBW1650	F3A10YR1DA Y	18.81	19.24	0.0001	15.27	12.78	21439
NBW1670	F3A10YR1DA Y	18.89	19.24	0.0001	33.38	31.31	17049
NBW1690	F3A10YR1DA Y	19.03	19.24	0.0001	20.81	19.33	9922
NBW1710	F3A10YR1DA Y	19.26	19.24	0.0001	4.38	1.70	998
NBW1730	F3A10YR1DA Y	18.65	19.23	0.0004	186.62	174.58	251979
NBW1750	F3A10YR1DA Y	18.82	19.24	-0.0001	129.46	120.78	42278
NBW1770	F3A10YR1DA Y	18.82	19.24	0.0001	121.15	106.39	113711
NBW1790	F3A10YR1DA Y	18.91	19.24	0.0001	27.91	26.97	11586
NBW1820	F3A10YR1DA Y	18.72	18.98	0.0000	60.06	46.40	127471

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW1830	F3A10YR1DA Y	18.74	19.26	0.0001	56.13	57.92	53418
NBW1840	F3A10YR1DA Y	18.39	18.56	0.0000	97.71	88.36	99907
NBW1850	F3A10YR1DA Y	18.74	19.27	0.0001	119.53	110.06	112542
NBW1860	F3A10YR1DA Y	18.39	18.56	-0.0001	13.50	10.14	19326
NBW1870	F3A10YR1DA Y	18.72	18.98	-0.0002	27.21	20.66	34065
NBW1890	F3A10YR1DA Y	19.06	19.52	0.0001	38.83	38.63	2614
NBW1910	F3A10YR1DA Y	19.27	19.69	0.0001	52.77	52.51	3955
NBW1930	F3A10YR1DA Y	19.27	19.68	0.0001	32.37	31.07	18412
NBW1950	F3A10YR1DA Y	18.97	19.28	0.0001	5.44	2.68	450
NBW1970	F3A10YR1DA Y	18.96	19.27	0.0000	11.64	11.57	5744
NBW1990	F3A10YR1DA Y	19.27	19.65	0.0001	62.00	57.43	96596
NBW2010	F3A10YR1DA Y	19.65	19.70	0.0001	10.68	10.91	9975
NBW2030	F3A10YR1DA Y	19.65	19.70	0.0001	12.90	9.51	50952
NBW2050	F3A10YR1DA Y	19.26	19.79	0.0001	46.30	26.91	94548
NBW2060	F3A10YR1DA Y	0.00	19.79	0.0000	20.41	17.91	40757
NBW2070	F3A10YR1DA Y	19.26	19.79	0.0002	95.42	68.87	156001
NBW2090	F3A10YR1DA Y	19.10	18.67	0.0002	70.65	60.40	5668
NBW2110	F3A10YR1DA Y	18.92	18.00	0.0001	81.60	78.34	28794
NBW2130	F3A10YR1DA Y	18.92	17.99	-0.0002	85.57	83.74	16753
NBW2140	F3A10YR1DA Y	20.00	18.49	0.0000	8.96	7.52	652
NBW2145	F3A10YR1DA Y	0.00	19.17	-0.0005	15.74	56.57	17176
NBW2150	F3A10YR1DA Y	19.26	19.79	0.0001	74.44	73.27	21915
NBW2170	F3A10YR1DA Y	19.12	19.83	0.0001	5.70	4.69	931
NBW2190	F3A10YR1DA	19.10	19.86	0.0001	6.90	5.31	9966

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NBW2210	F3A10YR1DA Y	19.47	19.80	0.0001	40.54	41.40	10321
NBW2230	F3A10YR1DA Y	19.47	19.81	-0.0002	53.79	52.76	46455
NBW2250	F3A10YR1DA Y	19.51	19.80	0.0001	32.14	32.80	2381
NBW2270	F3A10YR1DA Y	19.57	19.81	0.0001	31.13	31.77	12345
NBW2290	F3A10YR1DA Y	19.65	19.81	-0.0002	40.18	32.49	93039
NBW2310	F3A10YR1DA Y	19.82	19.82	-0.0002	34.97	29.42	97942
NBW2330	F3A10YR1DA Y	19.82	19.82	-0.0002	26.81	16.04	53241
NBW2350	F3A10YR1DA Y	16.05	16.22	0.0001	79.77	79.01	42473
NBW2370	F3A10YR1DA Y	16.11	16.24	-0.0001	18.72	16.47	58361
NBW2380	F3A10YR1DA Y	12.29	14.76	0.0004	257.50	257.75	10756
NBW2385	F3A10YR1DA Y	18.49	18.50	0.0000	4.31	4.29	6514
NBW2387	F3A10YR1DA Y	16.11	15.78	0.0000	0.53	0.52	479
NBW2390	F3A10YR1DA Y	16.42	17.34	0.0001	53.13	52.82	9650
NBW2410	F3A10YR1DA Y	16.59	18.10	-0.0002	101.39	98.61	144786
NBW2430	F3A10YR1DA Y	16.23	18.11	0.0001	165.14	163.18	59401
NBW2450	F3A10YR1DA Y	16.15	18.12	0.0002	163.25	163.91	4396
NBW2470	F3A10YR1DA Y	16.43	18.25	0.0002	378.28	195.45	37714
NBW2490	F3A10YR1DA Y	16.90	18.25	-0.0004	77.98	318.10	21023
NBW2510	F3A10YR1DA Y	17.74	18.26	-0.0001	74.54	73.65	2040
NBW2530	F3A10YR1DA Y	17.92	18.31	0.0001	63.28	63.80	2010
NBW2550	F3A10YR1DA Y	17.95	18.32	-0.0001	2.64	3.02	450
NBW2570	F3A10YR1DA Y	17.96	18.33	0.0000	3.43	2.64	5897
NBW2590	F3A10YR1DA Y	18.06	18.35	0.0001	51.46	51.87	1098

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW2610	F3A10YR1DA Y	17.00	18.30	-0.0008	206.70	200.47	88917
NBW2630	F3A10YR1DA Y	17.98	18.37	0.0001	165.46	158.60	36352
NBW2650	F3A10YR1DA Y	16.97	18.30	-0.0004	27.86	28.93	20703
NBW2670	F3A10YR1DA Y	16.42	18.30	0.0001	30.11	30.93	23401
NBW2680	F3A10YR1DA Y	17.73	18.01	-0.0001	46.41	43.80	26935
NBW2690	F3A10YR1DA Y	15.40	17.88	0.0002	251.94	246.09	78440
NBW2710	F3A10YR1DA Y	17.73	18.03	0.0001	2.79	2.49	533
NBW2730	F3A10YR1DA Y	18.29	18.53	0.0000	2.30	0.76	4926
NBW2770	F3A10YR1DA Y	18.09	18.41	0.0001	13.27	13.29	1309
NBW2775	F3A10YR1DA Y	6.59	6.61	0.0000	13.79	10.12	27700
NBW2780	F3A10YR1DA Y	18.38	18.54	-0.0001	65.57	62.72	92148
NBW2790	F3A10YR1DA Y	18.38	18.55	0.0000	197.48	194.73	97949
NBW2810	F3A10YR1DA Y	18.39	18.56	-0.0002	74.50	73.38	69650
NBW2830	F3A10YR1DA Y	18.40	18.57	-0.0001	57.28	47.73	122627
NC01	F3A10YR1DA Y	0.00	4.53	0.0000	17.64	17.58	3239
NC01B	F3A10YR1DA Y	0.00	5.86	0.0000	15.91	15.84	5342
NC02	F3A10YR1DA Y	0.00	8.64	0.0001	122.68	122.67	5689
NC03	F3A10YR1DA Y	0.00	4.81	0.0001	142.47	142.45	8281
NC04	F3A10YR1DA Y	0.00	3.61	0.0000	58.56	54.65	31012
NC05	F3A10YR1DA Y	0.00	3.60	-0.0001	61.50	58.83	42228
NC06	F3A10YR1DA Y	0.00	3.56	0.0000	65.37	64.78	19417
NC07	F3A10YR1DA Y	0.00	3.56	-0.0001	56.19	56.08	18890
NC08	F3A10YR1DA Y	0.00	3.53	0.0000	64.62	64.45	14624
NCL0010	F3A10YR1DA	2.00	2.00	0.0000	684.36	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NCL0030	F3A10YR1DA Y	2.36	2.94	-0.0002	537.44	537.42	6856
NCL0050	F3A10YR1DA Y	2.36	2.94	0.0000	0.37	1.06	439
NCL0070	F3A10YR1DA Y	5.20	5.51	0.0000	148.81	147.65	53978
NCL0090	F3A10YR1DA Y	6.06	6.17	-0.0001	58.21	43.77	76196
NCL0110	F3A10YR1DA Y	3.04	3.61	-0.0008	603.13	603.10	6623
NCL0130	F3A10YR1DA Y	4.05	3.76	-0.0002	144.24	144.31	565
NCL0150	F3A10YR1DA Y	4.95	4.96	0.0000	144.17	144.24	2802
NCL0170	F3A10YR1DA Y	5.08	5.09	-0.0001	77.89	77.92	1472
NCL0190	F3A10YR1DA Y	5.08	5.10	0.0000	2.86	2.53	438
NCL0210	F3A10YR1DA Y	5.85	5.83	-0.0001	96.82	98.06	10289
NCL0230	F3A10YR1DA Y	6.60	6.94	-0.0002	40.56	31.98	43702
NCL0250	F3A10YR1DA Y	6.60	6.95	0.0001	3.79	3.94	602
NCL0270	F3A10YR1DA Y	6.60	6.95	0.0001	5.15	4.34	2028
NCL0290	F3A10YR1DA Y	5.90	5.90	-0.0001	62.69	63.05	924
NCL0310	F3A10YR1DA Y	6.10	6.20	0.0006	62.35	62.69	1045
NCL0330	F3A10YR1DA Y	5.95	5.97	-0.0001	22.04	22.24	8457
NCL0350	F3A10YR1DA Y	6.60	6.95	-0.0003	119.00	92.35	79005
NCL0370	F3A10YR1DA Y	7.36	7.61	0.0002	106.75	104.95	22630
NCL0390	F3A10YR1DA Y	4.02	4.54	-0.0022	445.34	472.06	4339
NCL0410	F3A10YR1DA Y	4.09	4.66	-0.0002	6.49	6.38	819
NCL0430	F3A10YR1DA Y	4.23	4.81	-0.0001	6.69	6.49	639
NCL0450	F3A10YR1DA Y	4.75	5.22	-0.0005	435.77	435.87	3676
NCL0470	F3A10YR1DA Y	5.43	5.83	-0.0010	434.07	434.15	3437

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL0490	F3A10YR1DA Y	6.48	6.78	-0.0006	493.49	495.26	42416
NCL0510	F3A10YR1DA Y	6.67	6.97	0.0002	35.12	34.92	1146
NCL0530	F3A10YR1DA Y	8.10	8.17	0.0004	40.47	20.37	1172
NCL0550	F3A10YR1DA Y	8.17	8.23	-0.0002	30.57	40.47	32921
NCL0570	F3A10YR1DA Y	8.66	8.48	0.0001	15.44	15.13	841
NCL0590	F3A10YR1DA Y	7.00	7.32	0.0008	435.90	436.19	3590
NCL0610	F3A10YR1DA Y	7.52	7.90	0.0007	423.75	423.79	3640
NCL0630	F3A10YR1DA Y	8.06	8.54	-0.0003	422.37	422.41	4608
NCL0650	F3A10YR1DA Y	8.12	8.59	-0.0003	50.04	102.61	1613
NCL0670	F3A10YR1DA Y	8.67	9.15	0.0003	129.05	50.04	1693
NCL0690	F3A10YR1DA Y	8.76	9.21	0.0002	34.74	35.14	605
NCL0710	F3A10YR1DA Y	8.95	9.33	-0.0001	34.43	34.25	601
NCL0730	F3A10YR1DA Y	9.26	9.56	-0.0001	34.79	34.43	554
NCL0750	F3A10YR1DA Y	9.56	9.77	0.0000	114.04	102.68	56818
NCL0770	F3A10YR1DA Y	10.12	10.27	0.0000	68.67	68.62	2178
NCL0790	F3A10YR1DA Y	8.69	9.17	-0.0003	31.67	101.59	895
NCL0810	F3A10YR1DA Y	8.84	9.37	0.0001	32.02	31.67	4682
NCL0830	F3A10YR1DA Y	8.93	9.63	0.0005	374.36	376.42	37257
NCL0850	F3A10YR1DA Y	9.01	9.65	0.0001	99.34	92.86	18177
NCL0870	F3A10YR1DA Y	9.37	9.84	-0.0001	116.95	116.67	2022
NCL0890	F3A10YR1DA Y	9.65	10.01	-0.0001	103.11	102.78	1590
NCL0910	F3A10YR1DA Y	9.71	10.01	0.0001	7.60	7.05	6174
NCL0930	F3A10YR1DA Y	9.57	10.34	0.0001	100.61	99.70	2112
NCL0950	F3A10YR1DA	9.89	10.67	0.0001	87.60	87.35	3196

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NCL0970	F3A10YR1DA Y	10.41	11.08	0.0001	45.05	44.30	2269
NCL0990	F3A10YR1DA Y	11.00	11.47	0.0001	37.07	36.00	4234
NCL1010	F3A10YR1DA Y	11.14	11.65	0.0001	7.95	7.76	638
NCL1030	F3A10YR1DA Y	9.67	9.87	-0.0002	22.42	33.52	1470
NCL1050	F3A10YR1DA Y	10.46	9.89	0.0001	7.29	6.85	613
NCL1070	F3A10YR1DA Y	9.30	10.63	0.0001	4.14	4.17	631
NCL1090	F3A10YR1DA Y	9.76	10.71	0.0000	36.08	15.95	20883
NCL1110	F3A10YR1DA Y	9.85	10.38	0.0001	17.26	17.29	2095
NCL1130	F3A10YR1DA Y	9.76	10.71	-0.0001	23.08	16.33	65880
NCL1150	F3A10YR1DA Y	9.76	10.71	0.0001	542.05	544.30	221522
NCL1170	F3A10YR1DA Y	10.59	11.84	0.0004	415.14	352.15	117702
NCL1190	F3A10YR1DA Y	10.72	11.98	0.0001	79.15	78.59	1851
NCL1210	F3A10YR1DA Y	10.63	11.86	0.0001	47.08	15.19	55754
NCL1230	F3A10YR1DA Y	10.94	12.15	0.0001	79.71	79.15	1432
NCL1250	F3A10YR1DA Y	11.11	12.26	0.0001	80.28	79.71	1231
NCL1270	F3A10YR1DA Y	11.34	12.38	0.0001	96.47	93.63	24375
NCL1290	F3A10YR1DA Y	13.06	13.36	0.0001	62.38	62.28	6011
NCL1310	F3A10YR1DA Y	14.77	15.06	-0.0001	60.19	59.80	18086
NCL1330	F3A10YR1DA Y	10.60	11.84	-0.0002	239.37	243.57	82950
NCL1350	F3A10YR1DA Y	10.63	11.86	0.0001	243.89	237.86	67213
NCL1370	F3A10YR1DA Y	10.63	11.87	-0.0002	85.76	84.59	6976
NCL1390	F3A10YR1DA Y	10.63	12.26	0.0001	29.56	29.34	11588
NCL1410	F3A10YR1DA Y	10.63	12.27	0.0001	29.61	28.98	7997

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL1430	F3A10YR1DA Y	10.70	11.89	0.0004	512.77	420.04	201294
NCL1450	F3A10YR1DA Y	10.93	12.50	0.0010	445.22	444.83	3036
NCL1470	F3A10YR1DA Y	12.72	13.92	0.0002	340.28	339.65	4424
NCL1490	F3A10YR1DA Y	14.45	14.60	0.0000	5.50	5.47	783
NCL1510	F3A10YR1DA Y	11.06	12.55	-0.0008	60.30	79.87	4612
NCL1530	F3A10YR1DA Y	12.54	12.86	0.0002	81.22	80.42	11250
NCL1550	F3A10YR1DA Y	13.13	13.31	-0.0001	43.29	42.09	1021
NCL1570	F3A10YR1DA Y	13.31	13.58	0.0001	4.75	4.63	504
NCL1590	F3A10YR1DA Y	13.70	13.72	0.0000	2.14	2.13	1307
NCL1610	F3A10YR1DA Y	13.37	13.67	0.0001	2.90	2.65	469
NCL1630	F3A10YR1DA Y	13.57	13.64	0.0003	74.39	74.38	2663
NCL1650	F3A10YR1DA Y	13.68	13.80	0.0002	75.61	75.62	1293
NCL1670	F3A10YR1DA Y	14.02	14.48	0.0001	77.90	77.89	6136
NCL1690	F3A10YR1DA Y	17.47	17.70	0.0001	51.85	51.78	4540
NCL1710	F3A10YR1DA Y	17.89	18.04	0.0001	47.77	47.80	3206
NCL1730	F3A10YR1DA Y	18.27	18.76	0.0002	109.43	109.47	19229
NCL1750	F3A10YR1DA Y	18.24	18.69	-0.0003	23.42	23.43	513
NCL1770	F3A10YR1DA Y	18.07	18.17	0.0001	36.22	36.22	2902
NCL1790	F3A10YR1DA Y	15.78	15.89	0.0001	335.38	334.86	5863
NCL1810	F3A10YR1DA Y	18.13	18.28	0.0001	58.06	53.21	33933
NCL1830	F3A10YR1DA Y	18.39	17.84	0.0001	313.76	313.47	6250
NCL1850	F3A10YR1DA Y	18.50	18.01	-0.0003	73.99	79.05	910
NCL1870	F3A10YR1DA Y	19.01	18.84	0.0002	73.33	73.99	1002
NCL1890	F3A10YR1DA	19.15	19.05	0.0002	72.66	73.33	988

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NCL1910	F3A10YR1DA Y	19.15	19.05	0.0001	4.36	1.17	538
NCL1930	F3A10YR1DA Y	19.91	19.91	0.0000	4.91	4.90	1636
NCL1950	F3A10YR1DA Y	19.15	19.05	0.0000	0.78	0.21	504
NCL1970	F3A10YR1DA Y	21.67	21.66	0.0000	2.70	2.69	3234
NCL1990	F3A10YR1DA Y	19.58	19.74	0.0001	72.37	71.86	889
NCL2010	F3A10YR1DA Y	19.74	19.89	0.0001	45.89	44.48	1104
NCL2030	F3A10YR1DA Y	19.76	19.82	-0.0001	16.33	13.27	34038
NCL2050	F3A10YR1DA Y	19.76	19.94	0.0001	42.05	40.79	1411
NCL2070	F3A10YR1DA Y	19.76	19.82	-0.0001	3.99	4.58	1202
NCL2090	F3A10YR1DA Y	19.87	20.23	0.0001	44.18	42.05	1414
NCL2110	F3A10YR1DA Y	20.03	20.26	-0.0001	30.16	28.83	3897
NCL2130	F3A10YR1DA Y	19.87	20.28	0.0001	90.18	96.04	62888
NCL2150	F3A10YR1DA Y	20.75	21.30	-0.0004	92.53	85.65	181829
NCL2170	F3A10YR1DA Y	19.85	20.26	-0.0001	136.93	137.13	44480
NCL2230	F3A10YR1DA Y	19.13	18.98	0.0004	236.60	236.83	5806
NCL2250	F3A10YR1DA Y	19.55	19.67	0.0002	214.71	211.87	4444
NCL2270	F3A10YR1DA Y	20.05	20.56	0.0001	203.60	202.99	26149
NCL2290	F3A10YR1DA Y	19.88	20.26	0.0001	12.43	11.97	4726
NCL2310	F3A10YR1DA Y	20.45	20.91	0.0001	106.40	105.55	1779
NCL2330	F3A10YR1DA Y	20.74	21.16	0.0001	148.48	138.79	103972
NCL2350	F3A10YR1DA Y	20.78	21.18	0.0001	96.71	95.54	7578
NCL2370	F3A10YR1DA Y	20.81	21.19	0.0001	92.57	91.35	2298
NCL2390	F3A10YR1DA Y	20.84	21.22	0.0001	144.50	124.52	148853

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL2410	F3A10YR1DA Y	21.07	21.27	0.0000	30.82	31.34	1380
NCL2430	F3A10YR1DA Y	21.32	21.37	0.0000	29.82	30.16	1472
NCL2450	F3A10YR1DA Y	21.25	21.33	0.0000	5.25	5.07	493
NCL2470	F3A10YR1DA Y	20.93	21.23	0.0000	20.29	19.83	846
NCL2490	F3A10YR1DA Y	21.54	21.39	0.0000	27.09	26.81	1524
NCL2510	F3A10YR1DA Y	21.70	21.39	0.0000	120.88	121.75	93188
NCL2530	F3A10YR1DA Y	21.70	21.39	0.0000	52.65	54.16	45984
NCL2540	F3A10YR1DA Y	0.00	22.08	0.0000	79.11	78.32	46002
NCL2550	F3A10YR1DA Y	21.70	21.39	0.0000	63.98	64.46	15645
NCL2570	F3A10YR1DA Y	21.51	21.36	0.0001	16.92	17.10	1503
NCL2580	F3A10YR1DA Y	0.00	21.34	-0.0002	119.79	118.87	33644
NCL2590	F3A10YR1DA Y	21.17	21.34	0.0000	200.61	198.34	136031
NCL2610	F3A10YR1DA Y	21.14	21.34	0.0000	138.06	137.78	29601
NCL2630	F3A10YR1DA Y	20.86	20.94	0.0000	86.55	83.99	49182
NCL2631	F3A10YR1DA Y	0.00	20.71	-0.0001	94.68	71.43	43390
NCL2650	F3A10YR1DA Y	21.17	21.48	0.0001	98.36	82.76	117111
NCL2670	F3A10YR1DA Y	21.93	22.16	-0.0003	107.98	120.83	58307
NCL2690	F3A10YR1DA Y	21.96	22.39	-0.0001	61.86	75.35	53998
NCL2710	F3A10YR1DA Y	21.96	22.47	0.0000	53.14	54.10	70996
NCL2730	F3A10YR1DA Y	21.95	22.59	0.0000	35.31	34.92	11499
NCL2750	F3A10YR1DA Y	21.84	22.97	0.0000	103.63	103.08	32925
NCL2770	F3A10YR1DA Y	21.71	22.40	0.0000	29.28	29.29	1389
NCL2780	F3A10YR1DA Y	0.00	22.24	0.0000	23.11	21.90	26545
NCL2790	F3A10YR1DA	21.84	22.27	0.0000	151.14	144.87	121035

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NCL2810	F3A10YR1DA Y	22.11	22.79	-0.0001	97.09	96.53	23110
NCL2830	F3A10YR1DA Y	23.09	22.92	-0.0001	19.25	18.80	3599
NCL2835	F3A10YR1DA Y	0.00	23.80	0.0000	7.90	7.97	1077
NCL2840	F3A10YR1DA Y	0.00	23.75	0.0000	94.87	94.61	24714
NCL2845	F3A10YR1DA Y	0.00	24.28	-0.0001	52.26	52.08	15879
NCL2850	F3A10YR1DA Y	20.82	21.19	0.0000	22.26	22.81	1361
NCL2870	F3A10YR1DA Y	20.83	21.15	-0.0001	21.17	21.67	1245
NCL2890	F3A10YR1DA Y	20.83	21.11	0.0002	19.85	21.17	21404
NCL2910	F3A10YR1DA Y	20.83	21.11	-0.0001	76.11	75.49	43368
NCL2930	F3A10YR1DA Y	19.55	19.70	0.0004	135.07	133.44	5415
NCL2950	F3A10YR1DA Y	19.53	19.70	0.0002	130.79	129.69	6824
NCL2970	F3A10YR1DA Y	20.49	20.58	0.0002	59.32	58.24	15496
NCL2990	F3A10YR1DA Y	19.33	19.70	0.0002	121.28	121.79	5885
NCL3010	F3A10YR1DA Y	19.35	19.72	0.0002	108.86	117.42	209252
NCL3030	F3A10YR1DA Y	19.58	19.79	0.0002	98.96	87.54	61177
NCL3050	F3A10YR1DA Y	19.94	20.06	0.0002	81.02	74.68	37662
NCL3070	F3A10YR1DA Y	20.14	20.19	0.0000	43.86	41.98	20830
NCL3090	F3A10YR1DA Y	19.59	19.79	0.0002	125.60	83.76	86989
NCL3110	F3A10YR1DA Y	19.59	19.79	0.0002	73.83	48.50	98873
NCL3130	F3A10YR1DA Y	19.59	19.80	0.0002	28.14	22.79	39840
NCL3150	F3A10YR1DA Y	19.54	19.78	0.0002	135.32	133.81	48746
NCL3170	F3A10YR1DA Y	19.71	20.27	0.0001	81.06	80.48	33851
NCL3190	F3A10YR1DA Y	20.31	20.49	-0.0003	89.42	81.29	131041

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL3210	F3A10YR1DA Y	20.32	20.49	-0.0003	61.32	56.02	61965
NCL3230	F3A10YR1DA Y	20.32	20.51	-0.0002	47.91	46.97	22893
NCL3250	F3A10YR1DA Y	19.11	18.42	0.0002	199.31	201.19	59713
NCL3250A	F3A10YR1DA Y	0.00	19.11	0.0002	133.81	132.79	2677
NCL3270	F3A10YR1DA Y	19.11	19.01	0.0000	33.89	33.00	1736
NCL3280	F3A10YR1DA Y	0.00	19.22	0.0000	30.92	30.01	1342
NCL3290	F3A10YR1DA Y	20.16	20.16	0.0000	26.67	24.80	18599
NCL3300	F3A10YR1DA Y	0.00	19.73	0.0000	7.53	7.53	1687
NCL3310	F3A10YR1DA Y	20.19	20.13	0.0000	1.91	2.85	772
NCL3330	F3A10YR1DA Y	20.75	20.09	0.0000	5.03	4.74	437
NCL3350	F3A10YR1DA Y	20.51	20.65	0.0000	33.14	31.34	44482
NCL3360	F3A10YR1DA Y	0.00	20.64	0.0000	11.37	9.67	19611
NCL3365	F3A10YR1DA Y	0.00	20.25	0.0001	27.78	27.28	24805
NCL3370	F3A10YR1DA Y	20.64	21.05	-0.0002	130.85	126.40	96174
NCL3390	F3A10YR1DA Y	20.83	21.11	0.0001	124.44	123.85	41975
NCL3410	F3A10YR1DA Y	20.83	21.11	0.0001	2.27	2.31	477
NCL3430	F3A10YR1DA Y	20.83	21.11	0.0000	5.90	1.38	4441
NCL3450	F3A10YR1DA Y	18.92	18.04	0.0001	255.07	252.52	117038
NCL3470	F3A10YR1DA Y	19.11	18.31	0.0001	233.07	198.33	134637
NCL3471	F3A10YR1DA Y	0.00	18.15	0.0002	123.51	122.14	5436
NCL3490	F3A10YR1DA Y	19.15	18.69	0.0001	133.32	127.02	31634
NCL3510	F3A10YR1DA Y	20.64	19.82	0.0001	107.68	106.90	28349
NCL3520	F3A10YR1DA Y	0.00	19.51	-0.0001	260.61	259.58	32391
NCL3530	F3A10YR1DA	20.66	20.72	0.0001	154.38	150.70	65636

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NCL3550	F3A10YR1DA Y	20.66	20.72	0.0001	4.59	4.30	736
NCL3570	F3A10YR1DA Y	20.66	20.74	0.0001	2.63	2.43	629
NCL3590	F3A10YR1DA Y	20.66	20.79	0.0000	3.16	1.36	5615
NCL3610	F3A10YR1DA Y	20.66	20.72	-0.0001	40.96	41.24	1320
NCL3630	F3A10YR1DA Y	20.64	20.71	-0.0001	241.19	236.15	118312
NCL3635	F3A10YR1DA Y	0.00	20.71	0.0001	22.51	24.49	1916
NCL3640	F3A10YR1DA Y	0.00	20.72	0.0001	29.54	26.34	43209
NCL3650	F3A10YR1DA Y	18.92	18.26	0.0001	7.58	5.94	503
NCL3670	F3A10YR1DA Y	18.92	18.27	0.0000	11.58	11.32	2388
NCL3690	F3A10YR1DA Y	18.92	17.94	0.0001	138.35	131.81	2628
NCL3730	F3A10YR1DA Y	18.92	17.83	0.0000	403.89	392.49	118499
NCL3740	F3A10YR1DA Y	0.00	18.02	0.0001	242.74	239.28	23357
NCL3750	F3A10YR1DA Y	18.93	19.23	-0.0012	214.02	125.16	239466
NCL3770	F3A10YR1DA Y	18.93	19.23	-0.0007	77.63	41.97	99259
NCL4000	F3A10YR1DA Y	0.00	29.79	0.0000	48.97	48.93	7165
NCL4010	F3A10YR1DA Y	0.00	29.51	0.0000	41.32	41.09	14000
NCypEast	F3A10YR1DA Y	32.00	29.00	0.0000	10.75	0.00	0
NCypWest	F3A10YR1DA Y	32.00	29.93	0.0000	0.00	0.00	0
NOC0010	F3A10YR1DA Y	2.00	2.00	0.0000	473.03	86.56	0
NOC0030	F3A10YR1DA Y	1.14	2.32	0.0176	473.11	473.03	594
NOC0050	F3A10YR1DA Y	1.20	2.51	0.0139	423.11	423.24	530
NOC0070	F3A10YR1DA Y	1.45	3.24	0.0065	412.22	411.95	905
NOC0090	F3A10YR1DA Y	2.91	3.45	0.0024	124.53	124.63	446

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NOC0110	F3A10YR1DA Y	1.65	3.32	0.0071	265.92	266.12	455
NOC0130	F3A10YR1DA Y	3.06	4.03	0.0042	265.85	265.92	528
NOC0150	F3A10YR1DA Y	3.08	4.04	0.0000	2.96	2.72	500
NOC0170	F3A10YR1DA Y	4.56	4.83	0.0000	15.77	15.76	1455
NOC0190	F3A10YR1DA Y	5.09	5.17	-0.0005	263.64	263.70	1077
NOC0210	F3A10YR1DA Y	5.68	5.91	-0.0001	31.25	30.57	4209
NOC0230	F3A10YR1DA Y	5.12	5.21	-0.0001	9.05	8.75	742
NOC0250	F3A10YR1DA Y	5.30	5.57	0.0000	9.54	9.05	984
NOC0270	F3A10YR1DA Y	5.57	6.17	0.0000	5.70	4.84	876
NOC0290	F3A10YR1DA Y	5.11	5.31	-0.0003	313.93	314.07	1836
NOC0310	F3A10YR1DA Y	5.27	5.53	0.0001	62.99	62.38	1436
NOC0330	F3A10YR1DA Y	5.85	5.83	-0.0001	266.97	269.82	54344
NOC0350	F3A10YR1DA Y	5.89	5.94	-0.0001	218.52	217.74	9652
NOC0370	F3A10YR1DA Y	6.47	6.76	0.0001	153.11	153.15	26742
NOC0390	F3A10YR1DA Y	6.60	6.94	-0.0001	57.45	54.26	27139
NOC0410	F3A10YR1DA Y	6.95	7.03	0.0000	53.88	43.06	32832
NOC0430	F3A10YR1DA Y	7.01	7.07	0.0000	37.68	33.49	15124
NOC0450	F3A10YR1DA Y	7.62	7.40	0.0000	26.63	26.31	9481
NOC0470	F3A10YR1DA Y	8.12	7.95	-0.0001	17.70	16.81	17271
NOC0490	F3A10YR1DA Y	7.67	7.41	0.0001	5.55	4.36	1051
NRU0010	F3A10YR1DA Y	2.00	2.00	0.0000	611.90	0.00	0
NRU0030	F3A10YR1DA Y	2.84	3.40	0.0002	335.63	335.62	2468
NRU0050	F3A10YR1DA Y	4.36	4.93	-0.0001	335.62	335.63	2036
NRU0070	F3A10YR1DA	5.61	6.31	0.0006	339.12	335.62	19977

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NRU0090	F3A10YR1DA Y	5.66	6.32	0.0002	85.39	67.22	21611
NRU0110	F3A10YR1DA Y	6.23	6.59	-0.0002	263.91	257.12	18148
NRU0130	F3A10YR1DA Y	7.66	7.83	0.0019	233.58	233.36	2616
NRU0150	F3A10YR1DA Y	7.71	7.87	-0.0035	220.63	220.65	1530
NRU0160	F3A10YR1DA Y	0.00	13.79	0.0001	165.25	165.24	4959
NRU0165	F3A10YR1DA Y	0.00	13.99	0.0000	4.96	4.55	474
NRU0170	F3A10YR1DA Y	14.45	15.78	-0.0001	173.49	161.94	35836
NRU0172	F3A10YR1DA Y	0.00	15.99	0.0001	8.47	10.09	831
NRU0174	F3A10YR1DA Y	0.00	16.42	-0.0001	10.11	8.47	8962
NRU0176	F3A10YR1DA Y	0.00	16.27	0.0000	7.72	7.76	761
NRU0178	F3A10YR1DA Y	0.00	16.48	0.0000	7.68	7.72	957
NRU0180	F3A10YR1DA Y	0.00	16.54	-0.0001	92.10	82.24	109833
NRU0190	F3A10YR1DA Y	14.45	15.78	0.0001	18.85	18.48	1391
NRU0210	F3A10YR1DA Y	14.45	15.83	-0.0001	16.56	15.61	2844
NRU0230	F3A10YR1DA Y	13.39	15.15	-0.0001	25.17	24.09	21449
NRU0250	F3A10YR1DA Y	14.62	15.78	-0.0002	145.74	143.39	17369
NRU0270	F3A10YR1DA Y	15.05	15.99	0.0001	124.89	124.80	2605
NRU0290	F3A10YR1DA Y	16.30	18.41	-0.0004	45.43	32.18	56343
NRU0310	F3A10YR1DA Y	16.13	16.69	0.0001	86.62	86.55	2502
NRU0330	F3A10YR1DA Y	18.25	17.84	0.0001	25.71	25.86	1352
NRU0335	F3A10YR1DA Y	0.00	19.29	0.0001	8.72	5.90	14045
NRU0340	F3A10YR1DA Y	0.00	18.60	0.0001	51.78	50.77	27188
NRU0343	F3A10YR1DA Y	0.00	19.33	-0.0001	12.39	11.14	918

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0345	F3A10YR1DA Y	0.00	19.57	-0.0001	45.33	36.06	68629
NRU0350	F3A10YR1DA Y	19.50	18.73	0.0001	12.16	11.76	1134
NRU0370	F3A10YR1DA Y	19.51	18.73	0.0001	12.89	10.62	6328
NRU0380	F3A10YR1DA Y	23.33	18.65	0.0002	6.75	8.18	470
NRU0390	F3A10YR1DA Y	27.00	18.61	-0.0002	23.71	17.64	17433
NRU0410	F3A10YR1DA Y	19.56	18.76	0.0001	9.96	7.39	1095
NRU0425	F3A10YR1DA Y	15.53	16.18	0.0001	6.92	5.64	4982
NRU0430	F3A10YR1DA Y	19.61	18.78	0.0001	7.39	4.97	1071
NRU0450	F3A10YR1DA Y	19.66	18.81	0.0001	4.97	2.89	1043
NRU0470	F3A10YR1DA Y	19.72	18.93	0.0001	2.70	2.02	784
NRU0490	F3A10YR1DA Y	20.36	18.99	-0.0001	2.85	2.13	532
NRU0495	F3A10YR1DA Y	0.00	14.05	0.0009	749.43	687.64	2716
NRU0500	F3A10YR1DA Y	0.00	14.37	0.0015	726.42	748.31	5646
NRU0510	F3A10YR1DA Y	19.67	19.88	-0.0002	23.82	15.94	40672
NRU0530	F3A10YR1DA Y	16.95	17.50	0.0001	53.49	54.20	2251
NRU0550	F3A10YR1DA Y	17.92	18.33	-0.0002	98.72	85.60	75125
NRU0570	F3A10YR1DA Y	18.16	18.60	-0.0001	63.31	62.81	1524
NRU0590	F3A10YR1DA Y	18.51	18.96	0.0001	42.57	43.09	2995
NRU0610	F3A10YR1DA Y	18.78	19.17	0.0001	41.03	41.53	21990
NRU0612	F3A10YR1DA Y	0.00	19.16	0.0001	32.04	30.35	9340
NRU0615	F3A10YR1DA Y	0.00	19.63	0.0001	11.44	7.35	2139
NRU0616	F3A10YR1DA Y	0.00	20.05	0.0000	5.67	4.69	6080
NRU0618	F3A10YR1DA Y	0.00	20.04	0.0000	12.87	11.96	2359
NRU0620	F3A10YR1DA	0.00	19.88	-0.0001	19.82	16.61	22115

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NRU0630	F3A10YR1DA Y	18.79	19.04	0.0001	39.54	36.84	7264
NRU0650	F3A10YR1DA Y	18.79	18.93	0.0001	60.16	55.01	16579
NRU0670	F3A10YR1DA Y	18.78	18.79	0.0001	55.01	55.05	1429
NRU0690	F3A10YR1DA Y	18.84	18.58	0.0001	70.15	66.82	11705
NRU0710	F3A10YR1DA Y	18.86	18.39	0.0001	113.58	111.11	21047
NRU0730	F3A10YR1DA Y	18.85	18.62	0.0001	33.75	31.06	27138
NRU0740	F3A10YR1DA Y	0.00	17.61	0.0001	118.05	117.29	11413
NRU0745	F3A10YR1DA Y	0.00	17.15	0.0001	122.47	120.37	18625
NRU0747	F3A10YR1DA Y	18.87	17.15	-0.0001	111.53	109.93	1657
NRU0750	F3A10YR1DA Y	18.87	17.14	0.0001	152.77	139.88	100094
NRU0770	F3A10YR1DA Y	18.88	17.15	0.0001	34.74	33.54	1017
NRU0785	F3A10YR1DA Y	0.00	17.15	0.0001	64.72	60.75	13105
NRU0790	F3A10YR1DA Y	18.88	17.15	-0.0003	556.89	557.59	33209
NRU0810	F3A10YR1DA Y	18.88	17.14	0.0001	5.15	1.89	5290
NRU0820	F3A10YR1DA Y	0.00	17.09	0.0000	1.89	1.88	442
NRU0830	F3A10YR1DA Y	18.99	17.56	-0.0005	550.96	551.57	4681
NRU0840	F3A10YR1DA Y	9999.00	17.77	-0.0001	498.65	499.21	2258
NRU0850	F3A10YR1DA Y	19.11	17.89	0.0002	174.41	173.00	2553
NRU0870	F3A10YR1DA Y	19.32	18.07	-0.0003	35.16	35.93	560
NRU0890	F3A10YR1DA Y	19.35	18.08	0.0000	47.50	55.36	59614
NRU0910	F3A10YR1DA Y	19.35	18.09	0.0000	2.01	1.96	581
NRU0930	F3A10YR1DA Y	19.35	19.60	0.0000	2.15	2.01	1742
NRU0950	F3A10YR1DA Y	19.11	18.11	-0.0002	160.12	157.56	24354

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0955	F3A10YR1DA Y	0.00	18.11	-0.0001	175.38	170.70	25976
NRU0960	F3A10YR1DA Y	0.00	18.31	0.0002	184.91	181.02	24981
NRU0965	F3A10YR1DA Y	0.00	18.36	-0.0003	193.98	190.25	34839
NRU0970	F3A10YR1DA Y	19.34	18.17	0.0001	19.49	18.05	21086
NRU0980	F3A10YR1DA Y	0.00	18.19	0.0012	15.73	16.46	1097
NRU0990	F3A10YR1DA Y	19.39	18.21	-0.0007	38.23	38.01	440
NRU1010	F3A10YR1DA Y	19.70	18.38	-0.0001	38.55	38.23	990
NRU1015	F3A10YR1DA Y	0.00	19.50	0.0001	19.08	15.66	16470
NRU1020	F3A10YR1DA Y	0.00	20.81	-0.0060	20.47	99.65	866
NRU1025	F3A10YR1DA Y	0.00	20.30	0.0001	12.01	11.51	724
NRU1030	F3A10YR1DA Y	19.70	18.50	0.0001	82.90	80.40	71517
NRU1035	F3A10YR1DA Y	0.00	17.99	0.0000	1.33	1.22	436
NRU1036	F3A10YR1DA Y	0.00	18.50	0.0001	15.92	16.53	437
NRU1037	F3A10YR1DA Y	0.00	18.45	0.0001	3.22	2.42	683
NRU1040	F3A10YR1DA Y	0.00	18.49	0.0001	37.31	23.15	31174
NRU1045	F3A10YR1DA Y	0.00	20.90	0.0001	16.32	14.83	16353
NRU1046	F3A10YR1DA Y	0.00	20.86	0.0060	14.83	13.35	932
NRU1050	F3A10YR1DA Y	19.70	18.50	0.0002	62.82	57.76	35718
NRU1070	F3A10YR1DA Y	19.83	19.17	0.0001	25.57	24.80	12618
NRU1090	F3A10YR1DA Y	18.86	17.00	0.0001	112.13	110.26	1336
NRU1110	F3A10YR1DA Y	18.86	16.85	0.0001	143.26	141.68	5320
NRU1130	F3A10YR1DA Y	18.86	17.04	-0.0004	33.36	31.72	776
NRU1150	F3A10YR1DA Y	18.86	17.56	0.0006	35.58	34.81	2949
NRU1170	F3A10YR1DA	18.86	18.84	0.0001	31.86	27.08	19660

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NRU1182	F3A10YR1DA Y	0.00	17.11	0.0000	16.99	17.21	1155
NRU1184	F3A10YR1DA Y	0.00	17.44	0.0000	14.01	14.05	872
NRU1185	F3A10YR1DA Y	0.00	18.96	-0.0001	13.36	9.04	21511
NRU1186	F3A10YR1DA Y	0.00	17.52	0.0000	5.74	5.25	791
NRU1188	F3A10YR1DA Y	0.00	18.07	0.0000	6.35	0.64	27099
NRU1190	F3A10YR1DA Y	18.86	18.15	0.0000	9.37	7.52	576
NRU1210	F3A10YR1DA Y	18.86	17.85	0.0000	7.52	6.92	719
NRU1220	F3A10YR1DA Y	0.00	16.79	0.0001	29.31	30.16	2046
NRU1225	F3A10YR1DA Y	0.00	21.51	0.0000	4.62	4.46	436
NRU1230	F3A10YR1DA Y	18.88	16.60	0.0002	622.34	622.51	4559
NRU1232	F3A10YR1DA Y	0.00	16.27	0.0008	631.06	631.21	3681
NRU1234	F3A10YR1DA Y	0.00	16.27	0.0000	1.53	1.66	450
NRU1240	F3A10YR1DA Y	0.00	16.61	0.0000	5.37	5.36	452
NRU1250	F3A10YR1DA Y	4.07	4.59	-0.0002	278.83	278.82	2104
NRU1270	F3A10YR1DA Y	4.78	5.24	-0.0002	274.66	274.67	1667
NRU1290	F3A10YR1DA Y	5.41	5.88	-0.0001	261.70	261.78	3103
NRU1310	F3A10YR1DA Y	6.42	6.89	0.0001	261.64	261.70	5053
NRU1330	F3A10YR1DA Y	8.29	8.85	0.0001	320.72	320.69	3357
NRU1350	F3A10YR1DA Y	9.32	10.01	0.0001	315.81	315.73	2409
NRU1370	F3A10YR1DA Y	11.03	12.09	0.0001	311.07	309.88	5323
NRU1390	F3A10YR1DA Y	11.84	12.84	0.0001	64.83	54.23	22407
NRU1410	F3A10YR1DA Y	12.56	13.55	0.0002	255.71	255.95	7364
NRU1430	F3A10YR1DA Y	15.53	16.18	-0.0001	60.71	32.85	69222

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1450	F3A10YR1DA Y	15.94	16.16	0.0001	39.82	38.91	7322
NRU1470	F3A10YR1DA Y	15.97	16.21	0.0001	7.10	7.09	981
NRU1490	F3A10YR1DA Y	16.09	16.43	0.0001	9.55	7.67	12531
NRU1510	F3A10YR1DA Y	15.12	16.26	0.0001	200.18	205.30	64032
NRU1530	F3A10YR1DA Y	15.71	16.47	0.0001	82.94	87.94	13736
NRU1550	F3A10YR1DA Y	15.40	16.27	0.0000	76.57	77.24	2129
NRU1570	F3A10YR1DA Y	16.20	17.09	0.0000	53.12	52.21	6859
NRU1590	F3A10YR1DA Y	16.40	17.09	0.0000	8.26	7.60	3923
NRU1610	F3A10YR1DA Y	16.56	17.54	0.0001	41.72	40.19	19183
NRU1630	F3A10YR1DA Y	16.69	17.62	0.0001	34.98	35.08	1538
NRU1650	F3A10YR1DA Y	16.84	17.68	0.0001	34.89	34.98	27745
NRU1670	F3A10YR1DA Y	16.89	17.71	0.0001	86.72	33.26	162022
NRU1690	F3A10YR1DA Y	16.89	17.66	0.0001	44.24	43.80	5539
NRU1710	F3A10YR1DA Y	16.60	17.42	0.0001	34.33	34.11	1350
NRU1730	F3A10YR1DA Y	16.58	17.37	0.0000	91.62	24.66	152804
NRU1750	F3A10YR1DA Y	16.58	17.37	-0.0002	17.73	17.09	720
NRU1770	F3A10YR1DA Y	16.58	17.37	0.0000	30.66	30.53	5467
NRU1790	F3A10YR1DA Y	17.21	17.49	0.0000	9.61	7.86	5216
NRU1810	F3A10YR1DA Y	16.58	17.37	0.0000	10.83	7.35	20577
NRU1830	F3A10YR1DA Y	17.12	17.60	0.0000	22.86	19.95	7078
NRU1850	F3A10YR1DA Y	17.07	17.89	0.0001	25.03	24.84	1048
NRU1870	F3A10YR1DA Y	17.20	18.03	0.0001	25.24	25.03	908
NRU1890	F3A10YR1DA Y	17.38	18.22	0.0001	50.04	25.24	64931
NRU1910	F3A10YR1DA	17.71	18.22	0.0001	20.97	18.51	17194

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NRU1930	F3A10YR1DA Y	15.71	16.47	-0.0001	53.25	78.81	76630
NRU1950	F3A10YR1DA Y	16.43	16.93	0.0001	51.47	51.79	1646
NRU1970	F3A10YR1DA Y	16.86	17.21	0.0001	51.17	51.47	1037
NRU1990	F3A10YR1DA Y	17.09	17.37	0.0001	50.86	51.17	1719
NRU2010	F3A10YR1DA Y	18.02	18.23	0.0001	12.93	12.44	1554
NRU2030	F3A10YR1DA Y	18.39	18.48	0.0001	12.39	10.62	26278
NRU2050	F3A10YR1DA Y	18.40	18.49	0.0001	4.74	5.23	453
NRU2070	F3A10YR1DA Y	18.41	18.50	-0.0001	4.67	4.74	18726
NRU2090	F3A10YR1DA Y	17.16	17.41	-0.0001	35.45	35.76	2243
NRU2110	F3A10YR1DA Y	17.28	17.48	0.0001	34.86	34.28	1563
NRU2130	F3A10YR1DA Y	17.49	17.63	-0.0001	37.01	36.79	1931
NRU2150	F3A10YR1DA Y	17.69	17.90	0.0001	7.65	5.90	11673
NRU2170	F3A10YR1DA Y	17.07	17.43	0.0001	3.46	3.56	770
NRU2190	F3A10YR1DA Y	17.08	17.44	0.0000	10.81	3.46	28468
NRU2210	F3A10YR1DA Y	17.33	17.39	0.0001	6.33	6.33	538
NRU2230	F3A10YR1DA Y	17.33	17.04	0.0000	27.50	3.29	80841
NRU2250	F3A10YR1DA Y	17.31	17.04	0.0001	3.63	1.92	13236
NRU2270	F3A10YR1DA Y	17.61	17.72	0.0001	30.88	30.61	1505
NRU2290	F3A10YR1DA Y	17.67	17.75	0.0001	19.94	19.49	1150
NRU2310	F3A10YR1DA Y	17.68	17.76	0.0001	14.65	15.06	7712
NRU2330	F3A10YR1DA Y	17.68	17.76	0.0001	33.31	8.10	2709
NRU2350	F3A10YR1DA Y	17.68	17.76	-0.0001	4.91	30.85	654
NRU2370	F3A10YR1DA Y	17.37	17.29	0.0001	4.71	4.91	528

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU2390	F3A10YR1DA Y	17.36	17.26	0.0000	9.55	4.71	33541
NRU2410	F3A10YR1DA Y	17.72	17.75	0.0001	10.11	10.00	6723
NRU2430	F3A10YR1DA Y	17.83	17.79	0.0001	9.39	9.52	5379
NRU2450	F3A10YR1DA Y	18.06	17.83	0.0001	3.47	2.51	4354
NRU2470	F3A10YR1DA Y	15.72	16.47	0.0001	6.46	5.65	1459
NRU2490	F3A10YR1DA Y	15.75	16.48	0.0001	8.60	7.97	1429
NRU2510	F3A10YR1DA Y	15.75	16.48	0.0001	7.97	5.10	946
NRU2530	F3A10YR1DA Y	15.76	16.48	0.0001	5.10	2.20	582
NRU2550	F3A10YR1DA Y	16.53	17.01	0.0001	107.35	105.71	25552
NRU2570	F3A10YR1DA Y	17.71	18.10	0.0001	105.05	99.46	52410
NRU2590	F3A10YR1DA Y	18.30	18.45	0.0001	36.52	31.90	8731
NRU2610	F3A10YR1DA Y	18.62	18.91	0.0001	56.75	56.01	20933
NRU2630	F3A10YR1DA Y	19.41	19.40	-0.0002	49.01	47.00	49133
NRU2650	F3A10YR1DA Y	19.54	19.81	-0.0002	36.59	32.42	49666
NRU2670	F3A10YR1DA Y	16.64	16.91	0.0000	27.90	26.99	8078
NRU2690	F3A10YR1DA Y	17.09	17.52	0.0000	179.82	92.71	333508
NSH02	F3A10YR1DA Y	0.00	20.88	-0.0002	13.62	19.51	5470
NSH03	F3A10YR1DA Y	0.00	18.27	-0.0227	1.20	12.94	767
NSH04	F3A10YR1DA Y	0.00	16.08	0.0000	45.94	42.13	4610
NSH05	F3A10YR1DA Y	0.00	8.79	0.0001	718.37	718.90	5036
NSH07	F3A10YR1DA Y	0.00	8.29	0.0001	34.46	34.08	9826
NSH08	F3A10YR1DA Y	0.00	7.92	0.0000	19.02	17.62	1795
NSH09	F3A10YR1DA Y	0.00	10.49	0.0000	46.84	42.82	10191
NSH10	F3A10YR1DA	0.00	19.07	0.0000	20.05	19.56	30388

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NSH11	F3A10YR1DA Y	0.00	21.09	0.0000	7.73	7.65	6588
NSH12	F3A10YR1DA Y	0.00	8.59	0.0000	722.15	722.94	4113
NSH13	F3A10YR1DA Y	0.00	8.43	0.0012	733.79	734.73	4602
NSH14	F3A10YR1DA Y	0.00	8.36	0.0011	740.41	739.76	1911
NSH15	F3A10YR1DA Y	0.00	18.71	0.0000	5.51	5.45	6222
NSH16	F3A10YR1DA Y	0.00	8.93	0.0003	43.23	48.55	675
NSH17	F3A10YR1DA Y	0.00	8.30	-0.0011	740.91	741.52	2161
NSH18	F3A10YR1DA Y	0.00	8.26	-0.0007	784.46	783.66	3005
NSH19	F3A10YR1DA Y	0.00	7.45	-0.0005	786.76	786.91	5396
NSH20	F3A10YR1DA Y	0.00	20.20	0.0000	3.48	3.29	11656
NSH21	F3A10YR1DA Y	0.00	11.11	-0.0001	12.94	12.66	9389
NSH22	F3A10YR1DA Y	0.00	14.06	0.0001	39.48	31.24	5161
NSH23	F3A10YR1DA Y	0.00	18.26	0.0000	11.97	11.90	3096
NSH24	F3A10YR1DA Y	0.00	14.06	0.0000	19.55	17.98	5707
NSH25	F3A10YR1DA Y	0.00	13.92	-0.0001	16.95	15.62	7511
NSH26	F3A10YR1DA Y	0.00	13.59	-0.0001	59.47	44.14	38091
NSH26A	F3A10YR1DA Y	0.00	12.62	0.0000	43.23	43.23	2060
NSH27	F3A10YR1DA Y	0.00	12.52	0.0000	7.66	8.61	15262
NSH27A	F3A10YR1DA Y	0.00	12.44	0.0000	17.67	16.06	921
NSH27AA	F3A10YR1DA Y	0.00	12.46	0.0001	8.61	9.36	560
NSH27B	F3A10YR1DA Y	0.00	11.20	-0.0001	16.06	18.34	1033
NSH27C	F3A10YR1DA Y	0.00	9.07	-0.0001	18.34	16.13	1035
NSH28	F3A10YR1DA Y	0.00	9.62	0.0000	17.67	13.90	8820

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSH29	F3A10YR1DA Y	0.00	7.43	-0.0001	11.08	11.85	648
NSH31	F3A10YR1DA Y	0.00	9.60	0.0001	7.65	5.56	480
NSH33	F3A10YR1DA Y	0.00	16.58	0.0000	2.42	2.36	4319
NSH34	F3A10YR1DA Y	0.00	9.19	0.0001	31.04	31.02	3078
NSH35	F3A10YR1DA Y	0.00	7.90	-0.0001	25.61	25.56	3038
NSH36	F3A10YR1DA Y	0.00	7.86	0.0001	22.52	21.59	805
NSH37	F3A10YR1DA Y	0.00	8.39	0.0012	738.90	739.74	2109
NSH41	F3A10YR1DA Y	0.00	14.47	0.0000	4.38	4.36	466
NSH42	F3A10YR1DA Y	0.00	4.06	0.0003	55.32	55.31	447
NSH43	F3A10YR1DA Y	0.00	4.61	-0.0005	44.18	44.25	507
NSH44	F3A10YR1DA Y	0.00	6.90	-0.0001	13.53	16.18	670
NSH45	F3A10YR1DA Y	0.00	16.30	0.0000	29.33	28.88	19125
NSH48	F3A10YR1DA Y	0.00	18.26	0.0000	14.81	14.79	2951
NSH49	F3A10YR1DA Y	0.00	17.90	0.0000	14.49	14.37	473
NSH50	F3A10YR1DA Y	0.00	15.25	-0.0012	657.79	682.91	6021
NSH51	F3A10YR1DA Y	0.00	16.98	0.0000	31.33	31.17	1329
NSH52	F3A10YR1DA Y	0.00	15.48	-0.0012	653.62	653.78	4431
NSH53	F3A10YR1DA Y	0.00	15.98	0.0000	40.85	40.49	1029
NSH53B	F3A10YR1DA Y	0.00	15.60	0.0001	19.96	20.62	448
NSH54	F3A10YR1DA Y	0.00	16.06	0.0000	33.29	32.18	1255
NSH55	F3A10YR1DA Y	0.00	16.04	0.0005	632.65	632.75	5311
NSH55B	F3A10YR1DA Y	0.00	16.06	0.0000	9.23	9.23	447
NSH56	F3A10YR1DA Y	0.00	16.28	0.0000	5.00	5.15	465
NSH57	F3A10YR1DA	0.00	16.28	0.0000	5.03	5.00	454

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NSH60	F3A10YR1DA Y	0.00	18.96	-0.0001	14.55	18.72	436
NSH61	F3A10YR1DA Y	0.00	15.54	0.0000	14.30	14.18	451
NSH65	F3A10YR1DA Y	0.00	20.57	0.0000	3.18	3.04	463
NSH71	F3A10YR1DA Y	9999.00	15.29	0.0000	13.20	13.07	2436
NSH75	F3A10YR1DA Y	0.00	6.05	-0.0023	804.02	805.09	4066
NSH76	F3A10YR1DA Y	0.00	5.04	-0.0125	762.25	762.21	2030
NSH80	F3A10YR1DA Y	0.00	14.81	-0.0012	693.34	701.77	6657
NSH81	F3A10YR1DA Y	0.00	20.60	0.0000	0.37	0.00	2178
NSH82	F3A10YR1DA Y	0.00	20.83	0.0000	2.01	0.40	5702
NSH83	F3A10YR1DA Y	0.00	14.86	-0.0001	14.35	14.38	1486
NSH85	F3A10YR1DA Y	0.00	14.66	-0.0014	703.45	722.25	4681
NSHSelmonD S	F3A10YR1DA Y	9999.00	10.89	0.0002	716.85	716.83	6356
NSHSelmonU S	F3A10YR1DA Y	9999.00	13.60	0.0003	687.64	687.55	3189
NSR0000	F3A10YR1DA Y	2.00	2.00	0.0000	281.74	17.50	0
NSR0005	F3A10YR1DA Y	2.00	2.00	0.0000	6.69	0.00	0
NSR0010	F3A10YR1DA Y	2.00	2.00	0.0000	406.86	0.00	0
NSR0030	F3A10YR1DA Y	2.92	3.30	0.0000	423.15	406.86	218705
NSR0032	F3A10YR1DA Y	4.88	5.24	0.0000	12.36	7.57	22427
NSR0034	F3A10YR1DA Y	3.63	3.92	0.0000	67.64	60.71	46046
NSR0050	F3A10YR1DA Y	3.44	3.82	0.0000	372.88	369.78	94828
NSR0070	F3A10YR1DA Y	3.45	3.81	0.0001	28.26	21.42	38767
NSR0090	F3A10YR1DA Y	3.68	3.93	-0.0001	35.16	31.04	18385
NSR0100	F3A10YR1DA Y	2.25	2.72	0.0000	6.74	6.69	524

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0102	F3A10YR1DA Y	4.24	4.39	0.0000	3.79	3.46	2973
NSR0105	F3A10YR1DA Y	1.91	2.81	-0.0681	281.78	281.74	484
NSR0110	F3A10YR1DA Y	3.93	4.19	0.0000	16.03	15.41	6606
NSR0112	F3A10YR1DA Y	2.31	3.17	0.0769	280.08	280.06	469
NSR0115	F3A10YR1DA Y	4.25	4.38	0.0000	3.03	2.64	8675
NSR0120	F3A10YR1DA Y	2.62	3.45	-0.0456	277.23	277.27	479
NSR0130	F3A10YR1DA Y	4.16	4.61	0.0000	10.74	8.08	10574
NSR0135	F3A10YR1DA Y	4.22	4.74	0.0000	3.96	3.69	689
NSR0140	F3A10YR1DA Y	3.28	4.04	-0.0140	273.47	273.49	477
NSR0150	F3A10YR1DA Y	3.64	4.12	0.0003	356.66	357.08	29291
NSR0160	F3A10YR1DA Y	3.56	4.29	0.0098	270.48	270.90	11632
NSR0165	F3A10YR1DA Y	4.03	5.09	0.0000	4.46	3.50	13176
NSR0170	F3A10YR1DA Y	3.70	4.28	0.0000	6.01	4.60	8819
NSR0180	F3A10YR1DA Y	3.83	4.59	0.0000	7.22	5.28	8568
NSR0190	F3A10YR1DA Y	4.04	4.41	0.0001	36.36	36.62	3228
NSR0210	F3A10YR1DA Y	4.26	4.69	0.0001	35.45	36.00	9280
NSR0230	F3A10YR1DA Y	4.26	4.70	0.0000	35.14	34.92	44324
NSR0250	F3A10YR1DA Y	3.93	4.35	0.0043	324.58	324.38	12764
NSR0270	F3A10YR1DA Y	3.98	4.43	0.0000	97.67	96.19	27233
NSR0280	F3A10YR1DA Y	5.41	5.88	-0.0005	250.38	249.13	31450
NSR0281	F3A10YR1DA Y	5.97	6.54	0.0004	244.17	243.76	17676
NSR0290	F3A10YR1DA Y	6.70	6.91	-0.0004	103.35	102.51	35064
NSR0310	F3A10YR1DA Y	9.28	9.37	-0.0001	91.25	89.89	62951
NSR0330	F3A10YR1DA	9.65	9.86	0.0001	7.93	7.95	470

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NSR0350	F3A10YR1DA Y	10.32	10.76	0.0001	8.21	7.93	446
NSR0370	F3A10YR1DA Y	10.35	10.80	0.0000	11.28	8.21	9569
NSR0390	F3A10YR1DA Y	11.96	12.24	0.0001	53.50	50.59	75231
NSR0410	F3A10YR1DA Y	12.27	12.66	0.0001	9.45	10.18	510
NSR0430	F3A10YR1DA Y	12.28	12.67	0.0000	9.31	9.45	20546
NSR0450	F3A10YR1DA Y	13.04	14.02	-0.0001	38.45	37.56	32429
NSR0470	F3A10YR1DA Y	13.10	14.40	-0.0001	26.57	25.94	13286
NSR0490	F3A10YR1DA Y	4.41	4.73	0.0045	161.04	159.97	28787
NSR0510	F3A10YR1DA Y	4.48	4.93	0.0015	85.06	85.21	15278
NSR0530	F3A10YR1DA Y	4.55	4.99	-0.0006	10.78	8.62	18023
NSR0540	F3A10YR1DA Y	4.55	5.17	0.0005	86.93	80.71	85905
NSR0550	F3A10YR1DA Y	4.56	5.18	0.0015	312.34	312.05	20538
NSR0560	F3A10YR1DA Y	4.66	5.21	0.0003	104.76	111.69	69343
NSR0570	F3A10YR1DA Y	5.28	5.49	0.0003	96.55	99.06	56623
NSR0580	F3A10YR1DA Y	6.13	6.40	-0.0001	21.42	15.34	102865
NSR0590	F3A10YR1DA Y	6.15	6.43	-0.0001	89.91	86.51	53139
NSR0610	F3A10YR1DA Y	6.26	6.46	-0.0002	54.99	47.95	67521
NSR0630	F3A10YR1DA Y	6.26	6.46	-0.0001	17.03	17.09	475
NSR0650	F3A10YR1DA Y	6.25	6.44	-0.0001	59.83	39.35	169160
NSR0660	F3A10YR1DA Y	6.13	6.40	-0.0001	44.19	17.96	68580
NSR0670	F3A10YR1DA Y	6.24	6.43	0.0001	6.93	7.62	520
NSR0680	F3A10YR1DA Y	6.14	6.39	-0.0001	21.16	9.23	132882
NSR0690	F3A10YR1DA Y	6.24	6.43	-0.0001	6.50	6.93	599

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0710	F3A10YR1DA Y	6.23	6.42	0.0000	6.42	6.50	861
NSR0730	F3A10YR1DA Y	6.29	6.50	-0.0001	134.12	109.88	161856
NSR0770	F3A10YR1DA Y	6.81	7.33	0.0001	110.65	109.03	14218
NSR0780	F3A10YR1DA Y	6.74	6.84	-0.0001	14.25	13.31	20319
NSR0790	F3A10YR1DA Y	8.35	10.14	-0.0003	362.36	339.94	47937
NSR0791	F3A10YR1DA Y	7.13	8.30	-0.0002	233.71	233.70	5596
NSR0809	F3A10YR1DA Y	12.76	11.28	0.0004	73.61	93.59	2123
NSR0810	F3A10YR1DA Y	13.45	13.54	-0.0002	190.64	189.69	60274
NSR0830	F3A10YR1DA Y	15.10	15.32	-0.0001	205.13	200.61	136078
NSR0840	F3A10YR1DA Y	16.09	16.14	0.0001	30.19	30.74	38270
NSR0850	F3A10YR1DA Y	15.64	15.86	-0.0003	146.79	139.09	80332
NSR0860	F3A10YR1DA Y	16.41	16.44	0.0000	9.10	9.10	13930
NSR0869	F3A10YR1DA Y	16.03	16.23	0.0001	31.19	30.12	1505
NSR0870	F3A10YR1DA Y	16.24	16.45	0.0002	98.74	99.55	36629
NSR0880	F3A10YR1DA Y	16.24	16.47	0.0001	36.81	36.35	13539
NSR0881	F3A10YR1DA Y	14.14	17.06	0.0005	253.03	252.57	46386
NSR0890	F3A10YR1DA Y	4.02	4.40	-0.0514	271.24	265.12	51898
NSR0910	F3A10YR1DA Y	4.79	5.11	0.0029	192.72	194.40	31025
NSR0930	F3A10YR1DA Y	5.54	6.17	0.0000	146.74	39.18	289810
NSR0950	F3A10YR1DA Y	5.63	6.17	0.0004	271.13	270.94	62163
NSR0970	F3A10YR1DA Y	6.14	6.47	-0.0002	139.27	139.57	3616
NSR0990	F3A10YR1DA Y	6.27	6.55	0.0001	205.69	205.65	4324
NSR1010	F3A10YR1DA Y	6.30	6.58	0.0000	43.64	43.00	12930
NSR1030	F3A10YR1DA	8.54	8.89	-0.0001	163.19	162.89	9869

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NSR1050	F3A10YR1DA Y	8.56	8.94	0.0000	73.25	71.43	23835
NSR1070	F3A10YR1DA Y	9.58	9.69	-0.0006	207.57	206.40	48154
NSR1090	F3A10YR1DA Y	11.30	11.41	0.0004	150.53	150.55	8267
NSR1110	F3A10YR1DA Y	11.57	11.58	0.0000	2.71	2.70	2961
NSR1130	F3A10YR1DA Y	11.29	11.36	0.0000	24.12	24.09	15025
NSR1150	F3A10YR1DA Y	11.39	11.53	0.0000	6.66	4.62	9460
NSR1170	F3A10YR1DA Y	11.38	11.52	0.0001	4.62	3.67	451
NSR1190	F3A10YR1DA Y	12.70	13.16	0.0000	149.73	149.71	13564
NSR1210	F3A10YR1DA Y	12.70	13.16	-0.0001	23.27	8.97	78438
NSR1230	F3A10YR1DA Y	14.76	15.23	0.0000	147.67	147.63	9640
NSR1270	F3A10YR1DA Y	14.99	15.43	0.0000	147.71	147.67	6276
NSR1290	F3A10YR1DA Y	14.99	15.43	0.0000	9.87	2.65	23518
NSR1310	F3A10YR1DA Y	14.99	15.43	0.0000	28.78	13.89	98667
NSR1330	F3A10YR1DA Y	15.44	16.06	0.0000	147.54	146.07	22876
NSR1350	F3A10YR1DA Y	15.45	16.07	0.0000	32.74	22.70	150013
NSR1370	F3A10YR1DA Y	15.56	16.16	0.0000	144.28	136.66	21929
NSR1390	F3A10YR1DA Y	15.56	16.16	0.0000	3.81	3.36	5042
NSR1410	F3A10YR1DA Y	15.56	16.16	-0.0001	29.07	26.86	33257
NSR1430	F3A10YR1DA Y	15.76	16.26	0.0000	51.11	43.99	39586
NSR1450	F3A10YR1DA Y	15.74	16.26	0.0000	69.03	48.17	107637
NSR1470	F3A10YR1DA Y	15.96	16.28	0.0000	50.24	45.03	42446
NSR1490	F3A10YR1DA Y	16.21	16.35	0.0000	55.40	40.97	143713
NSR1510	F3A10YR1DA Y	16.21	16.35	0.0000	32.72	30.23	29546

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR1530	F3A10YR1DA Y	15.56	16.16	0.0000	5.70	4.09	11795
NSR1550	F3A10YR1DA Y	15.68	16.25	-0.0001	147.83	134.36	34084
NSR1570	F3A10YR1DA Y	15.68	16.25	0.0000	6.26	4.31	34037
NSR1590	F3A10YR1DA Y	15.68	16.25	-0.0001	60.72	54.94	35357
NSR1610	F3A10YR1DA Y	15.75	16.32	-0.0002	21.18	18.65	24630
NSR1630	F3A10YR1DA Y	15.75	16.32	0.0000	102.22	91.75	20154
NSR1650	F3A10YR1DA Y	16.39	17.09	0.0000	3.21	3.21	436
NSR1670	F3A10YR1DA Y	15.92	16.79	0.0002	67.82	60.56	47452
NSR1690	F3A10YR1DA Y	16.24	16.92	0.0000	89.05	78.84	21984
NSR1710	F3A10YR1DA Y	16.25	16.92	0.0000	8.17	7.95	13653
NSR1730	F3A10YR1DA Y	16.32	16.97	0.0000	87.79	80.29	12677
NSR1750	F3A10YR1DA Y	16.68	16.97	0.0000	3.37	3.37	871
NSR1770	F3A10YR1DA Y	17.23	17.44	0.0000	27.39	15.24	21012
NSR1790	F3A10YR1DA Y	17.24	17.45	0.0000	32.80	17.31	36266
NSR1810	F3A10YR1DA Y	17.25	17.45	0.0000	9.42	7.41	15056
NSR1830	F3A10YR1DA Y	17.25	17.45	-0.0001	58.85	51.99	99220
NSR1850	F3A10YR1DA Y	16.95	17.88	0.0000	11.53	9.47	13810
NSR1870	F3A10YR1DA Y	16.93	17.88	0.0001	47.65	32.90	128471
NSR1890	F3A10YR1DA Y	16.05	17.88	0.0001	13.34	13.73	1056
NSR1910	F3A10YR1DA Y	15.45	17.88	0.0005	69.38	65.63	118062
NSR1930	F3A10YR1DA Y	16.53	17.12	-0.0001	64.77	64.33	5011
NSR1950	F3A10YR1DA Y	16.70	17.16	-0.0001	20.55	20.03	9998
NSR1970	F3A10YR1DA Y	16.84	17.50	-0.0001	32.36	25.48	58422
NSR1990	F3A10YR1DA	16.86	17.39	0.0000	9.97	8.86	949

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NSR2010	F3A10YR1DA Y	16.91	17.29	-0.0001	16.32	10.39	39820
NSR2030	F3A10YR1DA Y	16.90	17.18	-0.0001	10.39	10.39	751
NSR2050	F3A10YR1DA Y	16.88	17.00	0.0000	15.95	15.35	19626
NSR2070	F3A10YR1DA Y	16.81	16.95	0.0000	6.38	6.37	781
NSR2090	F3A10YR1DA Y	16.72	16.89	0.0000	6.37	6.35	673
NSR2110	F3A10YR1DA Y	16.54	16.79	0.0000	18.86	18.13	21924
NSR2130	F3A10YR1DA Y	16.50	16.54	0.0000	17.80	13.76	89615
NSR2150	F3A10YR1DA Y	17.60	17.44	0.0000	59.24	48.94	196025
NSR2170	F3A10YR1DA Y	17.62	17.49	0.0001	27.85	27.67	2087
NSR2190	F3A10YR1DA Y	17.62	17.51	-0.0001	28.03	27.85	967
NSR2210	F3A10YR1DA Y	17.62	17.55	0.0000	55.01	42.48	111815
NSR2230	F3A10YR1DA Y	17.62	17.53	-0.0001	20.65	20.17	675
NSR2250	F3A10YR1DA Y	17.63	17.55	0.0001	23.88	20.65	13324
NSR2270	F3A10YR1DA Y	17.63	17.55	-0.0001	27.92	21.54	26003
NSR2290	F3A10YR1DA Y	17.63	17.56	-0.0001	18.62	18.40	888
NSR2310	F3A10YR1DA Y	17.63	17.57	0.0000	21.29	18.67	21195
NSR2330	F3A10YR1DA Y	17.65	18.01	0.0000	21.89	12.78	43090
NSR2350	F3A10YR1DA Y	17.65	18.01	0.0001	24.85	12.48	57588
NSR2370	F3A10YR1DA Y	16.66	17.15	0.0000	32.63	28.28	9676
NSR2390	F3A10YR1DA Y	18.07	18.05	0.0000	13.22	7.13	64000
NSR2410	F3A10YR1DA Y	16.66	17.16	0.0000	43.18	28.80	19074
NSR2430	F3A10YR1DA Y	17.99	18.00	0.0000	2.94	2.93	3087
NSR2450	F3A10YR1DA Y	18.06	18.14	0.0000	39.32	38.48	19821

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR3000	F3A10YR1DA Y	17.04	17.88	-0.0727	8.55	49.45	34003
NSR3005	F3A10YR1DA Y	17.02	17.88	0.1453	49.45	4.00	566
NSR3020	F3A10YR1DA Y	17.61	17.76	-0.0001	41.63	39.70	72402
NSR3040	F3A10YR1DA Y	16.25	16.48	0.0000	77.47	74.66	58891
NSR3060	F3A10YR1DA Y	16.21	16.34	0.0001	25.73	24.14	47393
NSW0010	F3A10YR1DA Y	2.00	2.00	0.0000	28.75	0.00	0
NSW0030	F3A10YR1DA Y	2.13	3.08	-0.0004	28.76	28.75	587
NSW0050	F3A10YR1DA Y	4.04	5.31	0.0001	32.15	28.76	4899
Outfall	F3A10YR1DA Y	2.00	2.00	0.0000	71.05	0.00	0
Outfall_NE	F3A10YR1DA Y	21.00	20.51	-0.0003	8.60	0.00	0
PondA	F3A10YR1DA Y	0.00	18.27	0.0294	22.45	13.20	26018
PondB	F3A10YR1DA Y	0.00	16.12	0.0000	122.93	69.43	79701
SH_OUTFALL	F3A10YR1DA Y	2.00	2.00	0.0000	956.45	46.90	0
STORAGE1	F3A10YR1DA Y	0.00	20.09	0.0000	4.74	1.47	7405
STORAGE10	F3A10YR1DA Y	0.00	20.57	0.0000	3.04	0.04	9148
STORAGE11	F3A10YR1DA Y	0.00	20.88	0.0000	19.51	0.01	18648
STORAGE12	F3A10YR1DA Y	0.00	20.81	0.0004	94.03	5.91	10262
STORAGE13	F3A10YR1DA Y	0.00	17.99	0.0000	1.22	1.00	5323
STORAGE14	F3A10YR1DA Y	0.00	21.51	0.0000	4.46	0.00	13395
STORAGE2	F3A10YR1DA Y	0.00	18.27	0.0000	8.21	2.16	18426
STORAGE4	F3A10YR1DA Y	0.00	19.17	0.0001	48.16	2.73	12088
STORAGE5	F3A10YR1DA Y	0.00	21.23	0.0000	15.98	5.95	20042
STORAGE8	F3A10YR1DA Y	0.00	16.88	0.0000	1.88	1.11	4742
STORAGE9	F3A10YR1DA	0.00	18.96	0.0006	7.52	1.68	11761

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
Sevilla1	F3A10YR1DA Y	1.20	2.16	0.0000	0.05	0.03	804
Sevilla2	F3A10YR1DA Y	1.23	2.09	0.0000	0.02	0.01	610
Sevilla3	F3A10YR1DA Y	1.20	2.16	0.0000	0.12	0.09	1339
Sevilla4	F3A10YR1DA Y	1.20	2.16	0.0000	0.20	0.16	1450
Shamrock2	F3A10YR1DA Y	1.11	2.09	0.0001	71.08	71.05	5389
Shmrck1.1	F3A10YR1DA Y	1.38	2.29	-0.0001	71.03	71.05	6206
Shmrck1.2	F3A10YR1DA Y	1.20	2.16	0.0001	71.05	71.08	3971
THEA_JUNCT 1	F3A10YR1DA Y	0.00	14.28	0.0000	32.37	32.37	667
THEA_JUNCT 2	F3A10YR1DA Y	0.00	13.49	0.0000	32.37	32.37	501
THEA_Watrou s	F3A10YR1DA Y	0.00	15.82	0.0002	32.39	32.37	813
V3	F3A10YR1DA Y	6.53	6.53	0.0000	0.01	0.01	36626
BC_N02	F3A233YR1D AY	0.00	18.00	0.0000	0.00	0.00	0
Church1	F3A233YR1D AY	8.77	8.63	0.0000	0.00	0.00	436
Church2	F3A233YR1D AY	8.77	8.39	0.0000	3.36	2.84	4390
Clark1	F3A233YR1D AY	7.21	6.91	0.0000	0.41	0.21	741
Clark2	F3A233YR1D AY	7.21	6.91	0.0000	36.29	36.27	4366
DM1	F3A233YR1D AY	11.42	11.45	0.0000	3.25	3.37	1347
DM2	F3A233YR1D AY	10.30	10.22	0.0000	3.37	3.18	2049
DM3	F3A233YR1D AY	9.16	9.18	0.0000	3.18	3.36	2978
E_Outlet	F3A233YR1D AY	0.00	16.06	0.0005	60.41	27.53	0
E_Outlet2	F3A233YR1D AY	0.00	17.00	0.0000	0.00	0.00	0
EIP_Hes.1	F3A233YR1D AY	1.99	2.25	0.0000	0.29	0.24	763
EIP_con.1	F3A233YR1D AY	2.18	2.33	-0.0001	36.17	36.18	4221

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
ElPrad.1	F3A233YR1D AY	1.99	2.25	0.0000	0.14	0.09	623
G1	F3A233YR1D AY	14.98	14.70	-0.0006	44.56	38.15	31408
G10	F3A233YR1D AY	8.77	8.34	0.0000	36.30	36.29	4590
G2	F3A233YR1D AY	14.99	14.92	-0.0001	10.09	9.65	32920
G3	F3A233YR1D AY	14.86	14.44	-0.0003	47.43	40.66	14812
G4	F3A233YR1D AY	12.82	12.30	0.0000	40.66	40.65	2076
G5	F3A233YR1D AY	11.69	11.34	0.0000	40.65	40.64	1864
G6	F3A233YR1D AY	11.00	9.24	0.0000	5.70	0.00	0
G7	F3A233YR1D AY	11.00	10.56	0.0000	40.64	40.63	3601
G8	F3A233YR1D AY	10.07	9.76	0.0000	34.93	34.93	2143
G9	F3A233YR1D AY	9.41	9.24	0.0001	34.93	34.93	1353
H1	F3A233YR1D AY	1.99	2.25	0.0000	0.11	0.10	512
H2.1	F3A233YR1D AY	1.99	2.25	0.0001	36.18	36.17	6105
Hubert	F3A233YR1D AY	3.16	2.97	0.0000	36.27	36.24	5965
JUNCT1	F3A233YR1D AY	0.00	13.69	0.0000	0.25	0.21	908
JUNCT10	F3A233YR1D AY	0.00	21.87	0.0000	30.80	30.73	8711
JUNCT2	F3A233YR1D AY	0.00	13.50	0.0000	0.00	0.00	436
JUNCT3	F3A233YR1D AY	0.00	19.64	0.0000	0.00	0.00	436
JUNCT4	F3A233YR1D AY	0.00	13.58	0.0000	1.47	1.44	3846
JUNCT6	F3A233YR1D AY	0.00	14.77	0.0000	0.00	0.00	436
JUNCT7	F3A233YR1D AY	0.00	18.93	0.0000	19.38	19.37	4899
JUNCT7B	F3A233YR1D AY	0.00	18.59	0.0000	23.42	23.13	13875
JUNCT8	F3A233YR1D AY	0.00	19.14	0.0000	52.88	52.98	9435
JUNCT8B	F3A233YR1D	0.00	18.64	0.0000	52.98	52.29	30520

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
JUNCT9	F3A233YR1D AY	0.00	29.38	0.0000	25.55	25.52	8979
L1	F3A233YR1D AY	11.53	11.53	0.0000	0.00	0.00	436
L2	F3A233YR1D AY	11.63	11.63	0.0000	0.00	0.00	436
L3	F3A233YR1D AY	10.43	10.43	0.0000	0.00	0.00	436
L4	F3A233YR1D AY	8.43	8.43	0.0000	0.00	0.00	436
L5	F3A233YR1D AY	7.63	7.63	0.0000	0.00	0.00	436
L6	F3A233YR1D AY	6.93	6.93	0.0000	0.00	0.00	436
Lois	F3A233YR1D AY	4.82	4.53	0.0000	36.27	36.27	6808
M1	F3A233YR1D AY	2.58	2.53	0.0000	0.03	0.01	629
M1.1	F3A233YR1D AY	6.33	6.33	0.0000	0.00	0.00	436
M1.2	F3A233YR1D AY	7.03	7.03	0.0000	0.00	0.00	436
M1.3	F3A233YR1D AY	7.13	7.13	0.0000	0.00	0.00	436
M2	F3A233YR1D AY	2.58	2.53	0.0000	0.40	0.17	1054
M3	F3A233YR1D AY	2.58	2.53	0.0000	0.59	0.47	1167
M4	F3A233YR1D AY	2.58	2.54	0.0000	0.94	0.78	908
M5.1	F3A233YR1D AY	2.57	2.54	0.0000	36.24	36.21	6162
M6	F3A233YR1D AY	2.58	2.54	0.0000	0.31	0.21	558
N01	F3A233YR1D AY	0.00	18.98	0.0000	14.78	11.20	13450
N01A	F3A233YR1D AY	0.00	18.38	-0.0001	8.17	8.02	456
N02	F3A233YR1D AY	0.00	13.88	0.0000	11.48	12.09	691
N03	F3A233YR1D AY	0.00	16.25	0.0000	0.42	0.41	573
N04	F3A233YR1D AY	0.00	17.39	0.0000	3.09	3.09	562
N05	F3A233YR1D AY	0.00	13.37	0.0000	43.56	42.67	4412

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
N06	F3A233YR1D AY	0.00	11.85	-0.0002	47.78	48.33	3292
N07A	F3A233YR1D AY	0.00	9.59	0.0002	57.40	58.68	4249
N08A	F3A233YR1D AY	0.00	8.49	-0.0001	79.15	79.26	1954
N09	F3A233YR1D AY	0.00	8.49	0.0000	5.58	5.58	467
N09A	F3A233YR1D AY	0.00	7.49	-0.0002	82.62	82.65	1361
N10	F3A233YR1D AY	2.00	2.00	0.0000	143.66	0.00	0
N11	F3A233YR1D AY	0.00	16.13	-0.0003	48.39	60.41	74964
NBB0010	F3A233YR1D AY	2.00	2.00	0.0000	112.41	0.00	0
NBB0030	F3A233YR1D AY	5.03	5.72	-0.0019	112.43	112.41	557
NBB0050	F3A233YR1D AY	9.15	9.44	0.0004	112.82	112.43	2226
NBB0070	F3A233YR1D AY	11.30	11.34	0.0001	99.70	99.71	2549
NBB0090	F3A233YR1D AY	12.67	12.56	0.0001	91.80	92.30	1994
NBB0110	F3A233YR1D AY	13.46	13.29	0.0001	88.67	89.16	1981
NBB0130	F3A233YR1D AY	15.26	15.15	-0.0002	25.94	23.51	13324
NBB0150	F3A233YR1D AY	14.01	13.80	0.0001	68.44	68.78	1936
NBB0170	F3A233YR1D AY	14.74	14.48	0.0001	68.10	68.44	1452
NBB0190	F3A233YR1D AY	15.42	15.12	0.0001	67.77	68.10	1476
NBB0210	F3A233YR1D AY	15.70	15.46	0.0001	65.44	65.62	1555
NBB0230	F3A233YR1D AY	16.02	15.86	0.0001	65.32	65.44	1635
NBB0250	F3A233YR1D AY	16.31	16.21	0.0001	64.63	64.69	2036
NBB0270	F3A233YR1D AY	17.05	16.82	0.0001	64.87	64.63	2232
NBB0290	F3A233YR1D AY	17.06	16.84	0.0002	57.02	53.73	1258
NBB0310	F3A233YR1D AY	17.07	16.86	0.0002	120.22	88.56	204605
NBB0330	F3A233YR1D	16.57	16.47	0.0002	29.58	29.48	3568

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NBB0350	F3A233YR1D AY	16.45	16.31	0.0002	21.50	22.84	1396
NBB0370	F3A233YR1D AY	16.33	16.15	0.0002	44.16	40.45	27515
NBB0390	F3A233YR1D AY	16.32	16.14	0.0002	17.57	18.63	1838
NBB0410	F3A233YR1D AY	16.30	16.11	0.0002	45.29	42.86	28873
NBB0430	F3A233YR1D AY	15.45	15.42	-0.0002	45.31	50.64	65379
NBW0010	F3A233YR1D AY	2.00	2.00	0.0000	528.10	0.00	0
NBW0030	F3A233YR1D AY	3.39	3.33	0.0000	528.35	528.10	38062
NBW0050	F3A233YR1D AY	3.92	3.53	0.0000	6.21	4.57	3635
NBW0070	F3A233YR1D AY	3.57	3.45	0.0000	150.06	151.12	25487
NBW0090	F3A233YR1D AY	3.66	3.54	0.0000	4.42	3.84	2586
NBW0130	F3A233YR1D AY	3.73	3.60	0.0000	147.16	147.66	14027
NBW0150	F3A233YR1D AY	3.93	3.63	-0.0001	7.33	7.01	442
NBW0170	F3A233YR1D AY	3.98	3.64	0.0000	3.34	2.98	1233
NBW0190	F3A233YR1D AY	3.89	3.73	0.0001	144.40	144.59	5758
NBW0210	F3A233YR1D AY	6.25	6.24	0.0000	5.80	5.68	4893
NBW0230	F3A233YR1D AY	4.01	3.82	0.0001	142.83	142.92	2785
NBW0250	F3A233YR1D AY	4.88	4.60	0.0000	141.43	141.48	5283
NBW0270	F3A233YR1D AY	5.49	5.22	-0.0001	22.37	21.23	10115
NBW0290	F3A233YR1D AY	5.91	5.78	0.0000	18.38	16.92	10374
NBW0310	F3A233YR1D AY	6.38	5.97	0.0000	6.22	6.07	743
NBW0330	F3A233YR1D AY	5.50	5.19	0.0000	131.44	131.94	19673
NBW0350	F3A233YR1D AY	4.97	4.93	0.0000	5.25	5.24	2460
NBW0370	F3A233YR1D AY	5.52	5.20	-0.0001	7.33	6.86	1031

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW0390	F3A233YR1D AY	5.52	5.20	-0.0001	6.45	5.95	4134
NBW0410	F3A233YR1D AY	5.54	5.22	-0.0002	125.61	125.84	3446
NBW0430	F3A233YR1D AY	5.89	5.53	-0.0002	3.51	2.92	847
NBW0450	F3A233YR1D AY	5.89	5.53	-0.0001	126.19	125.61	10354
NBW0470	F3A233YR1D AY	5.89	5.53	-0.0001	2.56	1.92	834
NBW0490	F3A233YR1D AY	5.92	5.56	-0.0002	124.20	124.53	2668
NBW0510	F3A233YR1D AY	6.72	6.58	0.0000	1.83	1.82	1636
NBW0530	F3A233YR1D AY	6.22	5.85	0.0000	123.76	123.71	4802
NBW0550	F3A233YR1D AY	6.72	6.27	0.0000	66.60	55.08	82488
NBW0570	F3A233YR1D AY	7.09	6.78	0.0000	74.72	74.50	3385
NBW0590	F3A233YR1D AY	10.03	9.79	-0.0003	77.18	75.19	63821
NBW0610	F3A233YR1D AY	6.45	6.04	-0.0001	107.69	107.53	6589
NBW0630	F3A233YR1D AY	6.22	5.85	0.0000	2.17	1.38	5758
NBW0650	F3A233YR1D AY	6.66	6.17	0.0000	109.44	107.64	19096
NBW0670	F3A233YR1D AY	6.66	6.17	0.0000	2.66	1.99	7698
NBW0690	F3A233YR1D AY	6.71	6.25	-0.0001	87.99	86.68	8169
NBW0710	F3A233YR1D AY	6.71	6.25	0.0000	9.49	9.05	10220
NBW0730	F3A233YR1D AY	6.72	6.26	-0.0001	89.03	82.05	60874
NBW0750	F3A233YR1D AY	7.06	6.89	0.0001	77.55	53.41	71906
NBW0770	F3A233YR1D AY	7.06	6.89	-0.0003	14.80	11.90	8917
NBW0790	F3A233YR1D AY	8.11	7.10	0.0000	12.60	12.20	769
NBW0810	F3A233YR1D AY	7.06	6.89	0.0000	38.74	29.98	18523
NBW0830	F3A233YR1D AY	8.41	7.10	-0.0001	19.81	19.42	1332
NBW0850	F3A233YR1D	10.17	7.39	0.0001	18.29	17.80	755

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NBW0870	F3A233YR1D AY	7.06	6.89	0.0001	21.36	14.04	53591
NBW0890	F3A233YR1D AY	7.06	6.89	-0.0002	16.27	16.84	1027
NBW0910	F3A233YR1D AY	7.06	6.89	-0.0001	40.91	29.92	70164
NBW0930	F3A233YR1D AY	8.03	7.03	-0.0001	29.11	28.79	1301
NBW0950	F3A233YR1D AY	8.82	7.24	-0.0001	29.44	29.11	3082
NBW0970	F3A233YR1D AY	8.82	7.27	0.0001	20.18	20.33	2937
NBW0990	F3A233YR1D AY	8.82	7.33	-0.0002	19.83	19.86	785
NBW1010	F3A233YR1D AY	8.83	7.78	0.0000	19.80	19.83	1120
NBW1030	F3A233YR1D AY	9.19	8.35	-0.0001	19.43	19.50	4825
NBW1050	F3A233YR1D AY	9.30	8.78	-0.0001	18.82	18.81	900
NBW1070	F3A233YR1D AY	9.34	8.93	-0.0001	24.24	18.96	31822
NBW1090	F3A233YR1D AY	3.78	3.67	0.0000	372.84	371.79	11808
NBW1130	F3A233YR1D AY	4.51	4.27	0.0001	13.75	12.73	9512
NBW1150	F3A233YR1D AY	4.53	4.32	0.0000	11.54	9.18	14644
NBW1169	F3A233YR1D AY	4.09	3.96	0.0000	359.93	358.43	15868
NBW1170	F3A233YR1D AY	4.30	4.19	0.0001	355.84	355.28	5822
NBW1190	F3A233YR1D AY	6.13	5.49	-0.0001	10.89	6.98	32418
NBW1210	F3A233YR1D AY	7.17	5.76	-0.0002	33.63	30.23	33495
NBW1230	F3A233YR1D AY	7.17	6.24	-0.0001	36.75	25.86	83599
NBW1250	F3A233YR1D AY	4.74	4.61	0.0001	324.39	323.41	7383
NBW1270	F3A233YR1D AY	6.14	5.68	0.0000	7.16	6.42	7980
NBW1310	F3A233YR1D AY	5.21	5.11	-0.0001	324.77	323.94	7871
NBW1330	F3A233YR1D AY	7.56	7.39	-0.0002	286.41	286.41	3185

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW1350	F3A233YR1D AY	10.95	9.40	0.0002	23.04	22.97	493
NBW1351	F3A233YR1D AY	8.89	8.68	0.0002	245.66	245.41	8277
NBW1352	F3A233YR1D AY	9.96	9.82	0.0005	241.79	239.85	7956
NBW1353	F3A233YR1D AY	11.01	10.96	0.0005	243.59	235.20	8196
NBW1370	F3A233YR1D AY	10.02	9.76	0.0004	207.07	197.16	6358
NBW1390	F3A233YR1D AY	15.24	15.12	-0.0004	202.45	192.26	78485
NBW1410	F3A233YR1D AY	15.58	15.48	0.0003	190.48	186.32	18424
NBW1430	F3A233YR1D AY	15.79	15.70	-0.0002	151.39	155.28	19403
NBW1450	F3A233YR1D AY	16.94	16.81	-0.0005	162.13	160.89	96958
NBW1460	F3A233YR1D AY	16.43	16.32	0.0002	143.17	144.26	4273
NBW1470	F3A233YR1D AY	17.14	17.04	-0.0002	161.79	156.46	102645
NBW1480	F3A233YR1D AY	18.11	18.04	0.0001	7.99	4.93	12683
NBW1490	F3A233YR1D AY	17.86	17.64	-0.0001	105.38	102.37	14890
NBW1510	F3A233YR1D AY	18.12	17.85	0.0002	121.83	112.54	8021
NBW1530	F3A233YR1D AY	17.92	17.61	0.0001	17.68	13.04	1245
NBW1550	F3A233YR1D AY	17.75	17.46	0.0001	21.14	20.49	8090
NBW1570	F3A233YR1D AY	18.21	17.96	0.0002	120.24	109.36	2604
NBW1590	F3A233YR1D AY	18.12	17.95	0.0001	30.98	28.36	10160
NBW1610	F3A233YR1D AY	18.13	17.98	0.0001	27.18	26.67	2974
NBW1630	F3A233YR1D AY	18.13	18.03	0.0001	13.63	13.47	1566
NBW1650	F3A233YR1D AY	18.81	18.83	0.0001	12.82	11.22	3690
NBW1670	F3A233YR1D AY	18.89	18.89	0.0001	21.55	20.66	5458
NBW1690	F3A233YR1D AY	19.03	18.97	0.0001	12.89	12.72	8053
NBW1710	F3A233YR1D	19.26	18.97	0.0001	3.26	1.49	998

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NBW1730	F3A233YR1D AY	18.65	18.33	0.0004	112.56	97.27	102043
NBW1750	F3A233YR1D AY	18.82	18.36	0.0001	82.05	81.66	7464
NBW1770	F3A233YR1D AY	18.82	18.82	0.0001	73.99	65.05	49605
NBW1790	F3A233YR1D AY	18.91	18.91	0.0001	17.05	16.93	1904
NBW1820	F3A233YR1D AY	18.72	18.58	0.0000	36.32	23.82	66164
NBW1830	F3A233YR1D AY	18.74	18.48	0.0001	55.95	56.36	1976
NBW1840	F3A233YR1D AY	18.39	18.32	0.0000	52.73	44.25	70781
NBW1850	F3A233YR1D AY	18.74	18.50	0.0001	58.94	54.93	46558
NBW1860	F3A233YR1D AY	18.39	18.32	-0.0001	8.15	5.38	15409
NBW1870	F3A233YR1D AY	18.72	18.58	-0.0002	27.16	18.64	21849
NBW1890	F3A233YR1D AY	19.06	18.61	0.0001	32.35	32.73	2614
NBW1910	F3A233YR1D AY	19.27	18.69	0.0001	34.58	34.57	1873
NBW1930	F3A233YR1D AY	19.27	18.77	0.0001	32.07	32.08	1927
NBW1950	F3A233YR1D AY	18.97	18.93	0.0001	5.58	2.89	450
NBW1970	F3A233YR1D AY	18.96	18.93	0.0000	6.96	6.85	2100
NBW1990	F3A233YR1D AY	19.27	18.87	0.0001	30.33	28.97	25135
NBW2010	F3A233YR1D AY	19.65	19.02	0.0001	9.25	8.96	1242
NBW2030	F3A233YR1D AY	19.65	19.03	0.0001	7.76	7.52	1484
NBW2050	F3A233YR1D AY	19.26	18.89	0.0001	29.71	22.06	26915
NBW2060	F3A233YR1D AY	0.00	19.46	0.0000	11.85	9.68	23081
NBW2070	F3A233YR1D AY	19.26	18.89	0.0002	66.04	57.92	45549
NBW2090	F3A233YR1D AY	19.10	17.40	0.0001	69.34	62.80	2747
NBW2110	F3A233YR1D AY	18.92	15.57	0.0001	81.51	77.41	2262

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW2130	F3A233YR1D AY	18.92	14.85	0.0001	80.91	77.43	1726
NBW2140	F3A233YR1D AY	20.00	15.15	0.0000	4.37	4.28	652
NBW2145	F3A233YR1D AY	0.00	17.48	0.0000	9.88	9.45	436
NBW2150	F3A233YR1D AY	19.26	19.21	0.0002	45.24	45.81	3810
NBW2170	F3A233YR1D AY	19.12	19.23	0.0003	15.52	4.84	911
NBW2190	F3A233YR1D AY	19.10	19.25	0.0002	8.03	4.06	491
NBW2210	F3A233YR1D AY	19.47	19.35	0.0001	43.11	43.48	1886
NBW2230	F3A233YR1D AY	19.47	19.54	-0.0002	20.80	15.87	33879
NBW2250	F3A233YR1D AY	19.51	19.42	0.0001	33.82	34.19	2383
NBW2270	F3A233YR1D AY	19.57	19.50	0.0001	33.11	33.48	2580
NBW2290	F3A233YR1D AY	19.65	19.58	-0.0002	19.65	17.65	55653
NBW2310	F3A233YR1D AY	19.82	19.63	-0.0002	18.09	20.46	63167
NBW2330	F3A233YR1D AY	19.82	19.63	-0.0002	14.69	12.43	35507
NBW2350	F3A233YR1D AY	16.05	15.89	0.0001	43.32	42.80	4473
NBW2370	F3A233YR1D AY	16.11	16.08	-0.0001	10.04	7.44	58428
NBW2380	F3A233YR1D AY	12.29	12.35	0.0004	243.09	238.80	10756
NBW2385	F3A233YR1D AY	18.49	18.48	0.0000	2.55	2.54	6453
NBW2387	F3A233YR1D AY	16.11	15.71	0.0000	0.37	0.36	476
NBW2390	F3A233YR1D AY	16.42	16.25	0.0001	30.39	30.32	2672
NBW2410	F3A233YR1D AY	16.59	16.63	0.0001	29.34	28.28	2374
NBW2430	F3A233YR1D AY	16.23	16.62	0.0001	45.56	45.05	5939
NBW2450	F3A233YR1D AY	16.15	16.55	0.0002	159.43	156.58	4396
NBW2470	F3A233YR1D AY	16.43	16.67	0.0001	80.70	78.36	24403
NBW2490	F3A233YR1D	16.90	16.92	-0.0001	76.88	76.66	6459

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NBW2510	F3A233YR1D AY	17.74	17.35	0.0001	73.50	73.04	2032
NBW2530	F3A233YR1D AY	17.92	17.60	0.0001	58.77	58.68	2011
NBW2550	F3A233YR1D AY	17.95	17.62	0.0001	2.10	2.90	450
NBW2570	F3A233YR1D AY	17.96	17.67	0.0000	2.15	2.10	3049
NBW2590	F3A233YR1D AY	18.06	17.76	0.0001	48.40	47.31	1098
NBW2610	F3A233YR1D AY	17.00	17.05	-0.0004	91.41	93.77	24487
NBW2630	F3A233YR1D AY	17.98	17.88	0.0001	84.74	84.78	41001
NBW2650	F3A233YR1D AY	16.97	17.02	-0.0002	27.49	27.99	2850
NBW2670	F3A233YR1D AY	16.42	16.51	0.0001	29.37	29.94	1830
NBW2680	F3A233YR1D AY	17.73	17.51	-0.0001	29.90	29.78	2997
NBW2690	F3A233YR1D AY	15.40	15.73	0.0002	241.04	236.19	7486
NBW2710	F3A233YR1D AY	17.73	17.52	-0.0001	1.90	4.34	531
NBW2730	F3A233YR1D AY	18.29	18.07	0.0000	1.43	0.25	4356
NBW2770	F3A233YR1D AY	18.09	18.00	0.0001	13.27	13.31	1310
NBW2775	F3A233YR1D AY	6.59	6.13	0.0000	6.92	5.26	10465
NBW2780	F3A233YR1D AY	18.38	18.30	-0.0003	33.11	26.96	43535
NBW2790	F3A233YR1D AY	18.38	18.31	0.0000	100.76	100.16	77160
NBW2810	F3A233YR1D AY	18.39	18.32	-0.0001	39.98	39.43	66445
NBW2830	F3A233YR1D AY	18.40	18.32	-0.0001	34.48	25.94	94798
NC01	F3A233YR1D AY	0.00	3.79	0.0000	7.38	7.34	699
NC01B	F3A233YR1D AY	0.00	5.73	0.0000	7.99	8.17	3469
NC02	F3A233YR1D AY	0.00	5.98	0.0000	85.95	85.99	1890
NC03	F3A233YR1D AY	0.00	3.86	-0.0001	93.89	93.89	1211

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NC04	F3A233YR1D AY	0.00	3.14	0.0000	16.49	15.62	15501
NC05	F3A233YR1D AY	0.00	3.13	-0.0001	16.28	14.52	25550
NC06	F3A233YR1D AY	0.00	2.98	0.0000	14.21	13.99	7701
NC07	F3A233YR1D AY	0.00	2.56	0.0000	7.06	7.04	437
NC08	F3A233YR1D AY	0.00	2.95	0.0000	12.06	11.97	5706
NCL0010	F3A233YR1D AY	2.00	2.00	0.0000	486.78	0.00	0
NCL0030	F3A233YR1D AY	2.36	2.68	-0.0002	459.03	459.01	6856
NCL0050	F3A233YR1D AY	2.36	2.68	0.0000	0.42	1.10	439
NCL0070	F3A233YR1D AY	5.20	4.94	0.0000	56.03	55.59	14344
NCL0090	F3A233YR1D AY	6.06	5.87	-0.0001	31.38	20.73	47601
NCL0110	F3A233YR1D AY	3.04	3.18	0.0006	539.20	539.17	6623
NCL0130	F3A233YR1D AY	4.05	3.25	0.0003	99.28	99.33	565
NCL0150	F3A233YR1D AY	4.95	3.78	0.0001	99.33	99.28	2802
NCL0170	F3A233YR1D AY	5.08	3.86	-0.0001	55.20	55.37	1380
NCL0190	F3A233YR1D AY	5.08	3.87	0.0000	1.80	1.64	438
NCL0210	F3A233YR1D AY	5.85	4.17	0.0000	65.11	65.25	1234
NCL0230	F3A233YR1D AY	6.60	4.45	0.0000	13.40	12.75	566
NCL0250	F3A233YR1D AY	6.60	4.40	0.0000	0.36	0.14	527
NCL0270	F3A233YR1D AY	6.60	5.82	0.0000	3.24	3.23	1041
NCL0290	F3A233YR1D AY	5.90	4.29	-0.0001	49.42	49.51	924
NCL0310	F3A233YR1D AY	6.10	4.86	0.0007	49.38	49.42	1045
NCL0330	F3A233YR1D AY	5.95	4.86	0.0000	1.25	1.38	513
NCL0350	F3A233YR1D AY	6.60	5.40	-0.0002	51.57	49.14	7165
NCL0370	F3A233YR1D	7.36	7.04	0.0001	35.00	34.62	6344

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NCL0390	F3A233YR1D AY	4.02	4.04	-0.0021	433.36	464.41	4339
NCL0410	F3A233YR1D AY	4.09	4.09	-0.0001	3.88	3.73	819
NCL0430	F3A233YR1D AY	4.23	4.14	0.0000	4.17	3.88	639
NCL0450	F3A233YR1D AY	4.75	4.70	-0.0016	425.68	425.79	3676
NCL0470	F3A233YR1D AY	5.43	5.31	-0.0010	422.10	422.22	3437
NCL0490	F3A233YR1D AY	6.48	6.27	0.0009	425.03	427.48	18756
NCL0510	F3A233YR1D AY	6.67	6.37	-0.0001	26.31	26.00	1146
NCL0530	F3A233YR1D AY	8.10	7.20	0.0004	40.47	16.95	1182
NCL0550	F3A233YR1D AY	8.17	7.24	-0.0001	17.99	40.47	880
NCL0570	F3A233YR1D AY	8.66	7.37	0.0001	9.45	8.57	841
NCL0590	F3A233YR1D AY	7.00	6.76	0.0011	401.61	401.74	3392
NCL0610	F3A233YR1D AY	7.52	7.27	0.0007	398.29	398.43	3640
NCL0630	F3A233YR1D AY	8.06	7.81	-0.0004	397.05	397.19	4608
NCL0650	F3A233YR1D AY	8.12	7.86	-0.0003	46.66	102.61	1613
NCL0670	F3A233YR1D AY	8.67	8.37	0.0003	130.86	46.66	1695
NCL0690	F3A233YR1D AY	8.76	8.46	0.0002	35.01	35.14	605
NCL0710	F3A233YR1D AY	8.95	8.65	0.0002	34.49	34.50	601
NCL0730	F3A233YR1D AY	9.26	8.97	-0.0001	34.74	34.49	554
NCL0750	F3A233YR1D AY	9.56	9.33	0.0000	52.61	43.54	35298
NCL0770	F3A233YR1D AY	10.12	9.90	0.0000	35.76	35.76	2178
NCL0790	F3A233YR1D AY	8.69	8.38	-0.0003	27.86	101.59	895
NCL0810	F3A233YR1D AY	8.84	8.51	0.0001	27.68	27.86	1379
NCL0830	F3A233YR1D AY	8.93	8.75	-0.0008	354.30	356.16	19491

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL0850	F3A233YR1D AY	9.01	8.79	0.0001	57.96	54.75	5640
NCL0870	F3A233YR1D AY	9.37	8.86	0.0001	75.10	74.68	2021
NCL0890	F3A233YR1D AY	9.65	8.92	-0.0001	61.59	61.05	1591
NCL0910	F3A233YR1D AY	9.71	8.92	0.0001	4.77	3.98	490
NCL0930	F3A233YR1D AY	9.57	9.03	0.0001	58.21	57.61	2112
NCL0950	F3A233YR1D AY	9.89	9.18	0.0001	47.58	46.39	3174
NCL0970	F3A233YR1D AY	10.41	9.29	0.0000	28.74	24.65	2266
NCL0990	F3A233YR1D AY	11.00	9.41	0.0000	18.86	18.74	1485
NCL1010	F3A233YR1D AY	11.14	9.45	0.0000	4.04	3.97	638
NCL1030	F3A233YR1D AY	9.67	8.88	-0.0002	18.79	33.53	1466
NCL1050	F3A233YR1D AY	10.46	8.89	0.0001	4.86	3.77	623
NCL1070	F3A233YR1D AY	9.30	8.93	0.0001	3.41	1.70	628
NCL1090	F3A233YR1D AY	9.76	9.81	0.0000	32.55	13.17	16498
NCL1110	F3A233YR1D AY	9.85	9.47	0.0001	16.50	16.65	2094
NCL1130	F3A233YR1D AY	9.76	9.80	-0.0001	15.09	15.83	16487
NCL1150	F3A233YR1D AY	9.76	9.81	0.0001	366.49	378.34	157449
NCL1170	F3A233YR1D AY	10.59	10.82	0.0005	365.97	349.61	72789
NCL1190	F3A233YR1D AY	10.72	10.86	0.0001	49.10	48.69	1854
NCL1210	F3A233YR1D AY	10.63	10.85	0.0001	18.76	13.09	42690
NCL1230	F3A233YR1D AY	10.94	10.91	0.0001	49.51	49.10	1432
NCL1250	F3A233YR1D AY	11.11	10.94	0.0001	49.94	49.51	1231
NCL1270	F3A233YR1D AY	11.34	10.99	0.0001	50.39	49.94	1215
NCL1290	F3A233YR1D AY	13.06	11.60	0.0001	29.89	27.84	1408
NCL1310	F3A233YR1D	14.77	13.34	0.0000	21.37	21.25	788

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NCL1330	F3A233YR1D AY	10.60	10.83	-0.0002	113.27	116.38	71095
NCL1350	F3A233YR1D AY	10.63	10.85	0.0001	115.22	112.29	40773
NCL1370	F3A233YR1D AY	10.63	10.85	-0.0002	11.28	21.16	866
NCL1390	F3A233YR1D AY	10.63	10.86	0.0001	8.86	4.04	563
NCL1410	F3A233YR1D AY	10.63	10.86	0.0001	4.49	1.22	556
NCL1430	F3A233YR1D AY	10.70	10.96	0.0004	397.12	356.57	119051
NCL1450	F3A233YR1D AY	10.93	11.47	0.0011	380.54	380.21	3036
NCL1470	F3A233YR1D AY	12.72	12.72	0.0002	319.36	318.88	4423
NCL1490	F3A233YR1D AY	14.45	14.35	0.0000	3.27	3.23	766
NCL1510	F3A233YR1D AY	11.06	11.54	-0.0008	47.55	79.85	864
NCL1530	F3A233YR1D AY	12.54	12.29	0.0002	42.83	41.71	4137
NCL1550	F3A233YR1D AY	13.13	12.83	-0.0001	40.75	40.33	1021
NCL1570	F3A233YR1D AY	13.31	12.89	0.0001	3.98	2.08	504
NCL1590	F3A233YR1D AY	13.70	13.67	0.0000	1.22	1.21	1307
NCL1610	F3A233YR1D AY	13.37	12.90	0.0001	2.21	1.73	469
NCL1630	F3A233YR1D AY	13.57	13.27	0.0003	53.08	39.22	1673
NCL1650	F3A233YR1D AY	13.68	13.32	-0.0002	40.36	52.07	1292
NCL1670	F3A233YR1D AY	14.02	13.35	0.0001	7.71	6.55	681
NCL1690	F3A233YR1D AY	17.47	16.02	0.0000	31.50	30.30	1258
NCL1710	F3A233YR1D AY	17.89	16.27	0.0000	27.86	27.36	614
NCL1730	F3A233YR1D AY	18.27	16.45	0.0002	22.51	22.72	567
NCL1750	F3A233YR1D AY	18.24	16.47	-0.0002	13.78	13.25	513
NCL1770	F3A233YR1D AY	18.07	16.56	0.0001	14.41	13.78	482

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL1790	F3A233YR1D AY	15.78	14.48	0.0002	316.82	316.29	5863
NCL1810	F3A233YR1D AY	18.13	17.90	-0.0001	35.06	32.35	12685
NCL1830	F3A233YR1D AY	18.39	16.17	0.0001	292.69	292.50	6250
NCL1850	F3A233YR1D AY	18.50	16.39	-0.0003	68.94	79.06	911
NCL1870	F3A233YR1D AY	19.01	17.50	0.0001	68.67	68.94	1007
NCL1890	F3A233YR1D AY	19.15	17.79	0.0001	68.42	68.67	990
NCL1910	F3A233YR1D AY	19.15	17.79	0.0000	1.48	0.68	526
NCL1930	F3A233YR1D AY	19.91	19.86	0.0000	3.07	3.07	1567
NCL1950	F3A233YR1D AY	19.15	17.77	0.0000	0.00	0.00	480
NCL1970	F3A233YR1D AY	21.67	21.64	0.0000	1.70	1.69	3103
NCL1990	F3A233YR1D AY	19.58	18.72	0.0001	67.99	68.19	881
NCL2010	F3A233YR1D AY	19.74	19.14	0.0001	46.61	45.39	1104
NCL2030	F3A233YR1D AY	19.76	19.21	0.0001	8.03	6.64	6211
NCL2050	F3A233YR1D AY	19.76	19.19	-0.0001	41.98	40.55	1411
NCL2070	F3A233YR1D AY	19.76	19.20	0.0000	2.15	1.38	847
NCL2090	F3A233YR1D AY	19.87	19.40	0.0001	43.59	41.98	1414
NCL2110	F3A233YR1D AY	20.03	19.50	-0.0001	18.94	17.76	873
NCL2130	F3A233YR1D AY	19.87	19.41	0.0001	29.58	28.06	6553
NCL2150	F3A233YR1D AY	20.75	20.68	-0.0004	27.89	24.99	77270
NCL2170	F3A233YR1D AY	19.85	19.25	0.0001	49.81	49.36	2410
NCL2230	F3A233YR1D AY	19.13	17.16	0.0004	232.36	229.49	5806
NCL2250	F3A233YR1D AY	19.55	17.89	0.0002	215.46	211.37	4444
NCL2270	F3A233YR1D AY	20.05	19.38	0.0001	117.90	115.15	2534
NCL2290	F3A233YR1D	19.88	19.41	0.0001	6.34	3.98	802

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NCL2310	F3A233YR1D AY	20.45	20.17	0.0001	105.97	105.11	1780
NCL2330	F3A233YR1D AY	20.74	20.71	0.0001	107.16	105.97	47086
NCL2350	F3A233YR1D AY	20.78	20.77	0.0001	96.33	95.13	2069
NCL2370	F3A233YR1D AY	20.81	20.80	0.0000	92.21	90.98	2298
NCL2390	F3A233YR1D AY	20.84	20.85	0.0001	92.37	84.99	56443
NCL2410	F3A233YR1D AY	21.07	20.93	0.0000	31.87	32.18	1380
NCL2430	F3A233YR1D AY	21.32	21.03	0.0000	31.02	31.28	1473
NCL2450	F3A233YR1D AY	21.25	21.00	0.0001	4.21	4.06	493
NCL2470	F3A233YR1D AY	20.93	20.88	0.0000	15.31	14.82	846
NCL2490	F3A233YR1D AY	21.54	21.10	0.0001	28.02	28.24	1524
NCL2510	F3A233YR1D AY	21.70	21.14	0.0001	61.08	58.65	62912
NCL2530	F3A233YR1D AY	21.70	21.14	0.0001	29.29	28.31	31988
NCL2540	F3A233YR1D AY	0.00	21.86	0.0000	41.05	40.36	33508
NCL2550	F3A233YR1D AY	21.70	21.14	0.0001	24.43	24.73	9662
NCL2570	F3A233YR1D AY	21.51	21.13	0.0001	18.20	18.44	1503
NCL2580	F3A233YR1D AY	0.00	21.13	-0.0001	63.41	61.21	24129
NCL2590	F3A233YR1D AY	21.17	21.12	0.0001	104.70	99.59	97002
NCL2610	F3A233YR1D AY	21.14	21.12	0.0001	70.45	70.18	22106
NCL2630	F3A233YR1D AY	20.86	20.72	0.0001	51.44	50.58	34500
NCL2631	F3A233YR1D AY	0.00	20.27	-0.0002	56.41	50.60	30900
NCL2650	F3A233YR1D AY	21.17	21.27	0.0001	62.12	55.46	75303
NCL2670	F3A233YR1D AY	21.93	22.07	0.0001	48.14	54.40	47050
NCL2690	F3A233YR1D AY	21.96	22.19	-0.0001	33.11	41.18	40527

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL2710	F3A233YR1D AY	21.96	22.23	0.0001	28.15	31.28	52157
NCL2730	F3A233YR1D AY	21.95	22.33	0.0001	26.06	26.30	3456
NCL2750	F3A233YR1D AY	21.84	22.48	0.0001	33.65	33.50	3537
NCL2770	F3A233YR1D AY	21.71	22.19	0.0000	23.44	23.55	1389
NCL2780	F3A233YR1D AY	0.00	22.02	0.0000	8.31	7.80	16979
NCL2790	F3A233YR1D AY	21.84	22.09	0.0000	80.27	75.30	83554
NCL2810	F3A233YR1D AY	22.11	22.61	-0.0001	46.83	45.54	14217
NCL2830	F3A233YR1D AY	23.09	22.62	-0.0001	12.09	11.85	1242
NCL2835	F3A233YR1D AY	0.00	23.67	0.0000	7.76	7.85	1089
NCL2840	F3A233YR1D AY	0.00	23.64	0.0000	48.17	47.76	20010
NCL2845	F3A233YR1D AY	0.00	24.18	-0.0001	26.41	25.84	12657
NCL2850	F3A233YR1D AY	20.82	20.84	0.0000	25.25	25.53	1361
NCL2870	F3A233YR1D AY	20.83	20.88	0.0000	24.49	24.73	1246
NCL2890	F3A233YR1D AY	20.83	20.92	-0.0001	21.61	24.49	15632
NCL2910	F3A233YR1D AY	20.83	20.92	-0.0001	33.30	30.17	40324
NCL2930	F3A233YR1D AY	19.55	17.91	0.0003	135.26	130.12	2980
NCL2950	F3A233YR1D AY	19.53	18.05	0.0002	132.44	124.85	5718
NCL2970	F3A233YR1D AY	20.49	20.32	0.0002	36.25	35.49	5346
NCL2990	F3A233YR1D AY	19.33	18.11	0.0002	100.72	91.00	5903
NCL3010	F3A233YR1D AY	19.35	18.15	0.0002	96.50	78.09	5986
NCL3030	F3A233YR1D AY	19.58	18.15	0.0002	89.35	69.38	6658
NCL3050	F3A233YR1D AY	19.94	19.56	0.0002	48.71	46.39	8103
NCL3070	F3A233YR1D AY	20.14	19.99	0.0000	26.83	23.94	10312
NCL3090	F3A233YR1D	19.59	18.13	0.0002	91.58	89.52	7716

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NCL3110	F3A233YR1D AY	19.59	18.81	0.0001	45.07	36.90	29700
NCL3130	F3A233YR1D AY	19.59	18.85	0.0001	17.07	17.23	4654
NCL3150	F3A233YR1D AY	19.54	17.79	0.0002	134.09	133.91	5792
NCL3170	F3A233YR1D AY	19.71	19.21	0.0001	47.47	45.84	2304
NCL3190	F3A233YR1D AY	20.31	20.05	-0.0003	43.71	40.84	62552
NCL3210	F3A233YR1D AY	20.32	20.08	-0.0003	28.57	28.21	30955
NCL3230	F3A233YR1D AY	20.32	20.13	-0.0002	13.49	13.25	8531
NCL3250	F3A233YR1D AY	19.11	15.53	0.0003	181.18	186.97	5874
NCL3250A	F3A233YR1D AY	0.00	16.65	0.0002	133.91	133.79	2677
NCL3270	F3A233YR1D AY	19.11	16.64	0.0000	29.07	29.15	1736
NCL3280	F3A233YR1D AY	0.00	16.96	0.0000	26.64	26.67	999
NCL3290	F3A233YR1D AY	20.16	18.23	0.0000	22.17	22.27	1660
NCL3300	F3A233YR1D AY	0.00	18.43	0.0000	2.95	2.66	752
NCL3310	F3A233YR1D AY	20.19	18.24	0.0000	1.25	1.40	751
NCL3330	F3A233YR1D AY	20.75	18.43	0.0000	2.31	2.27	437
NCL3350	F3A233YR1D AY	20.51	19.89	0.0000	17.30	14.25	5227
NCL3360	F3A233YR1D AY	0.00	20.28	0.0000	4.36	3.15	6723
NCL3365	F3A233YR1D AY	0.00	20.01	0.0001	7.52	6.57	10959
NCL3370	F3A233YR1D AY	20.64	20.74	-0.0002	45.82	37.43	74028
NCL3390	F3A233YR1D AY	20.83	20.92	-0.0001	43.08	42.23	36729
NCL3410	F3A233YR1D AY	20.83	20.92	0.0001	2.53	2.79	477
NCL3430	F3A233YR1D AY	20.83	20.92	0.0000	2.91	1.52	3562
NCL3450	F3A233YR1D AY	18.92	14.58	-0.0001	208.36	200.07	6329

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL3470	F3A233YR1D AY	19.11	14.74	0.0001	107.13	107.05	4739
NCL3471	F3A233YR1D AY	0.00	14.55	0.0001	92.87	90.88	5436
NCL3490	F3A233YR1D AY	19.15	15.33	0.0000	79.08	79.01	2747
NCL3510	F3A233YR1D AY	20.64	17.68	0.0000	72.07	71.74	2861
NCL3520	F3A233YR1D AY	0.00	19.23	-0.0001	81.12	81.11	14063
NCL3530	F3A233YR1D AY	20.66	20.27	-0.0001	73.10	59.24	44130
NCL3550	F3A233YR1D AY	20.66	20.27	-0.0001	3.71	5.44	736
NCL3570	F3A233YR1D AY	20.66	20.27	-0.0001	2.24	3.00	629
NCL3590	F3A233YR1D AY	20.66	20.29	0.0000	1.63	1.25	4356
NCL3610	F3A233YR1D AY	20.66	20.27	-0.0001	41.40	41.71	1320
NCL3630	F3A233YR1D AY	20.64	20.27	-0.0001	95.96	75.22	94588
NCL3635	F3A233YR1D AY	0.00	20.27	-0.0001	22.12	24.38	1919
NCL3640	F3A233YR1D AY	0.00	20.27	-0.0001	13.25	12.44	12305
NCL3650	F3A233YR1D AY	18.92	15.32	-0.0002	2.71	3.75	503
NCL3670	F3A233YR1D AY	18.92	17.80	0.0000	7.28	7.11	436
NCL3690	F3A233YR1D AY	18.92	14.36	-0.0001	94.99	93.72	2302
NCL3730	F3A233YR1D AY	18.92	14.17	0.0000	296.49	273.94	88688
NCL3740	F3A233YR1D AY	0.00	14.37	0.0002	209.04	206.11	4692
NCL3750	F3A233YR1D AY	18.93	18.34	-0.0010	119.57	89.89	117219
NCL3770	F3A233YR1D AY	18.93	18.34	-0.0006	42.68	30.20	60490
NCL4000	F3A233YR1D AY	0.00	29.68	0.0000	25.58	25.55	4980
NCL4010	F3A233YR1D AY	0.00	29.38	0.0000	19.59	19.41	12518
NCypEast	F3A233YR1D AY	32.00	29.00	0.0000	5.49	0.00	0
NCypWest	F3A233YR1D	32.00	29.93	0.0000	0.00	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NOC0010	F3A233YR1D AY	2.00	2.00	0.0000	366.96	58.26	0
NOC0030	F3A233YR1D AY	1.14	2.19	0.0309	367.08	366.96	504
NOC0050	F3A233YR1D AY	1.20	2.31	-0.0244	335.56	335.70	530
NOC0070	F3A233YR1D AY	1.45	2.78	0.0066	327.91	327.59	516
NOC0090	F3A233YR1D AY	2.91	3.00	0.0023	123.06	123.17	446
NOC0110	F3A233YR1D AY	1.65	2.82	0.0082	194.94	195.28	455
NOC0130	F3A233YR1D AY	3.06	3.21	0.0043	194.92	194.94	528
NOC0150	F3A233YR1D AY	3.08	3.22	0.0000	2.17	2.07	499
NOC0170	F3A233YR1D AY	4.56	4.72	0.0000	9.89	9.88	1237
NOC0190	F3A233YR1D AY	5.09	3.83	0.0006	193.01	192.86	1077
NOC0210	F3A233YR1D AY	5.68	4.44	0.0001	19.52	19.00	781
NOC0230	F3A233YR1D AY	5.12	3.85	0.0001	5.82	5.96	742
NOC0250	F3A233YR1D AY	5.30	4.03	0.0001	5.86	5.82	984
NOC0270	F3A233YR1D AY	5.57	4.29	0.0000	3.54	3.17	676
NOC0290	F3A233YR1D AY	5.11	3.90	0.0002	210.21	210.35	1836
NOC0310	F3A233YR1D AY	5.27	4.01	0.0001	39.47	39.48	450
NOC0330	F3A233YR1D AY	5.85	4.12	-0.0001	170.88	170.76	2431
NOC0350	F3A233YR1D AY	5.89	4.33	0.0001	128.33	127.75	1837
NOC0370	F3A233YR1D AY	6.47	5.55	-0.0001	75.36	75.61	2022
NOC0390	F3A233YR1D AY	6.60	5.65	-0.0001	47.69	48.00	2171
NOC0410	F3A233YR1D AY	6.95	6.00	0.0000	39.33	39.73	2497
NOC0430	F3A233YR1D AY	7.01	6.14	0.0000	24.92	25.21	1757
NOC0450	F3A233YR1D AY	7.62	6.29	0.0000	17.45	17.80	2393

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NOC0470	F3A233YR1D AY	8.12	6.57	0.0001	9.25	9.61	726
NOC0490	F3A233YR1D AY	7.67	6.30	0.0000	3.76	3.50	1051
NRU0010	F3A233YR1D AY	2.00	2.00	0.0000	453.89	0.00	0
NRU0030	F3A233YR1D AY	2.84	2.29	-0.0002	200.01	200.63	2468
NRU0050	F3A233YR1D AY	4.36	3.54	0.0001	200.03	200.01	2036
NRU0070	F3A233YR1D AY	5.61	3.95	0.0002	210.23	200.03	2549
NRU0090	F3A233YR1D AY	5.66	4.40	-0.0002	38.15	38.02	700
NRU0110	F3A233YR1D AY	6.23	4.27	-0.0001	176.90	183.35	5430
NRU0130	F3A233YR1D AY	7.66	4.63	0.0027	145.93	166.11	2616
NRU0150	F3A233YR1D AY	7.71	4.65	0.0065	137.87	138.77	496
NRU0160	F3A233YR1D AY	0.00	12.36	0.0000	133.98	133.80	4959
NRU0165	F3A233YR1D AY	0.00	12.78	0.0000	2.97	2.94	474
NRU0170	F3A233YR1D AY	14.45	13.67	-0.0001	131.59	131.43	1440
NRU0172	F3A233YR1D AY	0.00	13.77	0.0000	8.09	8.15	831
NRU0174	F3A233YR1D AY	0.00	14.01	0.0000	7.99	8.09	804
NRU0176	F3A233YR1D AY	0.00	14.71	0.0000	7.93	7.99	761
NRU0178	F3A233YR1D AY	0.00	15.63	0.0001	8.84	7.93	957
NRU0180	F3A233YR1D AY	0.00	16.04	-0.0001	26.05	13.01	68124
NRU0190	F3A233YR1D AY	14.45	14.16	-0.0001	19.58	22.20	516
NRU0210	F3A233YR1D AY	14.45	14.54	-0.0001	17.06	16.27	602
NRU0230	F3A233YR1D AY	13.39	14.94	-0.0001	11.85	9.17	14394
NRU0250	F3A233YR1D AY	14.62	14.18	0.0001	98.68	98.52	1516
NRU0270	F3A233YR1D AY	15.05	14.79	0.0002	86.55	86.67	2625
NRU0290	F3A233YR1D	16.30	15.33	-0.0002	13.48	17.21	623

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NRU0310	F3A233YR1D AY	16.13	15.26	0.0001	69.56	70.13	2502
NRU0330	F3A233YR1D AY	18.25	16.61	0.0000	29.79	30.49	1352
NRU0335	F3A233YR1D AY	0.00	17.79	0.0000	5.28	5.17	861
NRU0340	F3A233YR1D AY	0.00	17.69	0.0000	26.42	27.08	1262
NRU0343	F3A233YR1D AY	0.00	18.86	-0.0001	12.19	11.42	918
NRU0345	F3A233YR1D AY	0.00	19.26	-0.0001	19.38	13.00	39554
NRU0350	F3A233YR1D AY	19.50	17.73	0.0000	8.26	9.11	977
NRU0370	F3A233YR1D AY	19.51	17.73	0.0000	8.03	6.55	896
NRU0380	F3A233YR1D AY	23.33	17.71	0.0000	2.67	2.66	470
NRU0390	F3A233YR1D AY	27.00	17.53	-0.0002	10.92	10.83	1843
NRU0410	F3A233YR1D AY	19.56	17.73	0.0000	6.48	5.03	1094
NRU0425	F3A233YR1D AY	15.53	15.53	0.0001	6.01	4.54	4902
NRU0430	F3A233YR1D AY	19.61	17.74	0.0000	5.03	3.59	1070
NRU0450	F3A233YR1D AY	19.66	17.74	0.0000	3.59	2.74	1043
NRU0470	F3A233YR1D AY	19.72	17.77	0.0001	2.14	1.98	783
NRU0490	F3A233YR1D AY	20.36	17.78	-0.0001	1.79	1.42	532
NRU0495	F3A233YR1D AY	0.00	11.64	0.0001	521.61	521.57	2716
NRU0500	F3A233YR1D AY	0.00	11.90	0.0001	519.88	519.59	5646
NRU0510	F3A233YR1D AY	19.67	16.13	-0.0001	12.01	11.56	567
NRU0530	F3A233YR1D AY	16.95	15.64	0.0001	37.55	38.01	2250
NRU0550	F3A233YR1D AY	17.92	16.03	0.0001	37.30	37.55	1777
NRU0570	F3A233YR1D AY	18.16	16.06	0.0001	31.47	31.87	1524
NRU0590	F3A233YR1D AY	18.51	16.08	0.0001	29.45	29.83	1745

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0610	F3A233YR1D AY	18.78	16.09	0.0001	27.22	28.73	2520
NRU0612	F3A233YR1D AY	0.00	16.05	0.0001	30.89	30.57	1555
NRU0615	F3A233YR1D AY	0.00	17.15	0.0001	10.10	8.30	2198
NRU0616	F3A233YR1D AY	0.00	17.78	0.0000	2.29	2.15	1353
NRU0618	F3A233YR1D AY	0.00	17.65	0.0000	7.82	7.44	919
NRU0620	F3A233YR1D AY	0.00	18.89	0.0000	10.01	9.95	876
NRU0630	F3A233YR1D AY	18.79	15.86	0.0001	36.69	36.37	2175
NRU0650	F3A233YR1D AY	18.79	15.75	0.0001	47.73	47.38	1810
NRU0670	F3A233YR1D AY	18.78	15.66	0.0001	47.38	47.08	1429
NRU0690	F3A233YR1D AY	18.84	15.51	0.0001	54.40	54.08	1934
NRU0710	F3A233YR1D AY	18.86	15.34	0.0001	79.49	79.13	2312
NRU0730	F3A233YR1D AY	18.85	16.38	-0.0001	16.65	20.17	1119
NRU0740	F3A233YR1D AY	0.00	14.90	0.0001	83.46	83.04	2801
NRU0745	F3A233YR1D AY	0.00	14.37	0.0001	86.32	85.62	3772
NRU0747	F3A233YR1D AY	18.87	13.93	0.0001	85.62	83.03	1657
NRU0750	F3A233YR1D AY	18.87	13.76	0.0001	101.03	99.51	1290
NRU0770	F3A233YR1D AY	18.88	13.76	0.0001	14.67	14.14	1014
NRU0785	F3A233YR1D AY	0.00	13.75	0.0000	17.88	17.26	844
NRU0790	F3A233YR1D AY	18.88	13.75	-0.0002	433.39	423.86	8788
NRU0810	F3A233YR1D AY	18.88	13.75	0.0000	2.83	0.66	757
NRU0820	F3A233YR1D AY	0.00	15.74	0.0000	0.00	0.00	436
NRU0830	F3A233YR1D AY	18.99	14.00	-0.0002	418.40	425.27	4681
NRU0840	F3A233YR1D AY	9999.00	14.11	-0.0006	357.94	358.05	2258
NRU0850	F3A233YR1D	19.11	14.28	0.0002	93.18	93.07	2553

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NRU0870	F3A233YR1D AY	19.32	14.38	-0.0001	11.70	11.21	560
NRU0890	F3A233YR1D AY	19.35	16.43	0.0000	18.06	11.70	55118
NRU0910	F3A233YR1D AY	19.35	17.05	0.0000	0.97	0.96	580
NRU0930	F3A233YR1D AY	19.35	19.42	0.0000	1.09	0.97	1742
NRU0950	F3A233YR1D AY	19.11	14.40	-0.0001	83.05	82.95	1381
NRU0955	F3A233YR1D AY	0.00	14.44	-0.0001	77.12	77.00	2070
NRU0960	F3A233YR1D AY	0.00	14.51	0.0001	75.47	75.35	3512
NRU0965	F3A233YR1D AY	0.00	14.56	0.0002	74.86	74.68	4618
NRU0970	F3A233YR1D AY	19.34	14.45	0.0000	9.09	11.37	1453
NRU0980	F3A233YR1D AY	0.00	14.45	0.0000	4.26	4.85	1097
NRU0990	F3A233YR1D AY	19.39	16.45	0.0001	14.34	14.28	440
NRU1010	F3A233YR1D AY	19.70	16.49	-0.0001	14.41	14.34	463
NRU1015	F3A233YR1D AY	0.00	17.12	0.0000	9.45	9.45	696
NRU1020	F3A233YR1D AY	0.00	18.58	-0.0060	12.59	12.05	866
NRU1025	F3A233YR1D AY	0.00	17.35	0.0000	6.43	6.53	724
NRU1030	F3A233YR1D AY	19.70	14.76	0.0000	59.53	60.05	2307
NRU1035	F3A233YR1D AY	0.00	16.91	0.0000	0.00	0.00	436
NRU1036	F3A233YR1D AY	0.00	16.48	-0.0001	6.66	6.62	437
NRU1037	F3A233YR1D AY	0.00	16.52	0.0000	0.00	0.00	436
NRU1040	F3A233YR1D AY	0.00	16.49	0.0001	6.68	6.61	454
NRU1045	F3A233YR1D AY	0.00	18.61	0.0000	10.22	9.64	581
NRU1046	F3A233YR1D AY	0.00	18.59	0.0060	9.64	8.99	931
NRU1050	F3A233YR1D AY	19.70	14.85	0.0000	39.87	39.76	1693

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1070	F3A233YR1D AY	19.83	16.52	-0.0001	15.76	15.68	1938
NRU1090	F3A233YR1D AY	18.86	13.67	0.0001	89.04	87.00	1336
NRU1110	F3A233YR1D AY	18.86	13.58	0.0001	104.83	103.11	1807
NRU1130	F3A233YR1D AY	18.86	13.71	-0.0002	18.21	25.55	776
NRU1150	F3A233YR1D AY	18.86	13.83	0.0001	18.11	18.21	962
NRU1170	F3A233YR1D AY	18.86	16.71	0.0000	16.17	15.58	1316
NRU1182	F3A233YR1D AY	0.00	15.10	0.0000	11.81	11.72	1155
NRU1184	F3A233YR1D AY	0.00	15.44	0.0000	10.89	10.61	873
NRU1185	F3A233YR1D AY	0.00	16.60	0.0000	7.29	6.61	661
NRU1186	F3A233YR1D AY	0.00	15.57	0.0000	4.79	4.31	790
NRU1188	F3A233YR1D AY	0.00	17.89	0.0000	3.00	0.00	24742
NRU1190	F3A233YR1D AY	18.86	16.28	0.0000	6.20	5.57	576
NRU1210	F3A233YR1D AY	18.86	16.10	0.0000	5.57	4.79	717
NRU1220	F3A233YR1D AY	0.00	13.99	0.0000	16.25	15.66	2046
NRU1225	F3A233YR1D AY	0.00	20.38	0.0000	2.33	2.26	436
NRU1230	F3A233YR1D AY	18.88	13.44	0.0001	479.90	479.56	4561
NRU1232	F3A233YR1D AY	0.00	13.20	0.0001	489.16	488.94	3681
NRU1234	F3A233YR1D AY	0.00	14.24	0.0000	0.31	0.30	446
NRU1240	F3A233YR1D AY	0.00	15.65	0.0000	3.18	3.16	452
NRU1250	F3A233YR1D AY	4.07	4.13	-0.0001	253.31	253.30	2104
NRU1270	F3A233YR1D AY	4.78	4.74	0.0002	251.45	251.43	1667
NRU1290	F3A233YR1D AY	5.41	5.28	-0.0001	244.58	244.59	3103
NRU1310	F3A233YR1D AY	6.42	6.07	0.0000	244.59	244.58	5053
NRU1330	F3A233YR1D	8.29	7.61	0.0000	249.06	248.94	3357

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NRU1350	F3A233YR1D AY	9.32	8.65	0.0000	246.65	246.64	2409
NRU1370	F3A233YR1D AY	11.03	9.87	0.0000	243.61	243.59	5323
NRU1390	F3A233YR1D AY	11.84	10.53	0.0000	39.32	38.44	1238
NRU1410	F3A233YR1D AY	12.56	10.98	0.0000	204.60	205.17	7197
NRU1430	F3A233YR1D AY	15.53	15.53	-0.0001	44.44	29.32	30604
NRU1450	F3A233YR1D AY	15.94	15.91	0.0001	25.75	25.26	3335
NRU1470	F3A233YR1D AY	15.97	15.94	0.0001	5.57	5.58	981
NRU1490	F3A233YR1D AY	16.09	16.09	0.0001	6.00	5.57	2101
NRU1510	F3A233YR1D AY	15.12	12.62	0.0000	138.92	139.08	10557
NRU1530	F3A233YR1D AY	15.71	14.60	-0.0001	74.08	74.46	2452
NRU1550	F3A233YR1D AY	15.40	14.93	0.0000	55.55	54.20	1677
NRU1570	F3A233YR1D AY	16.20	15.83	0.0000	49.36	47.84	1398
NRU1590	F3A233YR1D AY	16.40	15.92	0.0000	4.94	4.35	1286
NRU1610	F3A233YR1D AY	16.56	16.32	0.0001	42.90	41.39	1573
NRU1630	F3A233YR1D AY	16.69	16.57	0.0001	28.95	28.81	1538
NRU1650	F3A233YR1D AY	16.84	16.77	0.0001	31.83	28.95	1066
NRU1670	F3A233YR1D AY	16.89	16.82	0.0001	39.28	28.09	70472
NRU1690	F3A233YR1D AY	16.89	16.81	0.0001	32.27	31.86	2551
NRU1710	F3A233YR1D AY	16.60	16.40	0.0001	29.72	29.57	1326
NRU1730	F3A233YR1D AY	16.58	16.08	0.0000	63.11	19.72	100746
NRU1750	F3A233YR1D AY	16.58	16.09	-0.0002	17.65	17.31	720
NRU1770	F3A233YR1D AY	16.58	16.09	0.0000	19.87	19.76	1091
NRU1790	F3A233YR1D AY	17.21	16.53	0.0000	5.21	5.00	753

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1810	F3A233YR1D AY	16.58	16.09	0.0000	4.00	3.99	15094
NRU1830	F3A233YR1D AY	17.12	16.52	0.0000	13.03	12.91	602
NRU1850	F3A233YR1D AY	17.07	16.98	0.0001	21.57	21.34	1047
NRU1870	F3A233YR1D AY	17.20	17.08	0.0001	21.83	21.57	908
NRU1890	F3A233YR1D AY	17.38	17.22	0.0001	31.11	21.83	10807
NRU1910	F3A233YR1D AY	17.71	17.52	0.0001	12.69	12.03	1684
NRU1930	F3A233YR1D AY	15.71	14.63	-0.0001	44.20	44.48	1572
NRU1950	F3A233YR1D AY	16.43	15.06	0.0000	43.17	43.27	1646
NRU1970	F3A233YR1D AY	16.86	15.33	0.0000	43.08	43.17	1037
NRU1990	F3A233YR1D AY	17.09	15.47	0.0000	43.01	43.08	1720
NRU2010	F3A233YR1D AY	18.02	16.20	0.0000	9.90	9.71	1370
NRU2030	F3A233YR1D AY	18.39	16.53	0.0001	7.87	6.74	679
NRU2050	F3A233YR1D AY	18.40	16.56	0.0000	2.62	2.98	453
NRU2070	F3A233YR1D AY	18.41	17.73	0.0000	2.63	2.62	436
NRU2090	F3A233YR1D AY	17.16	15.52	0.0000	31.24	31.35	983
NRU2110	F3A233YR1D AY	17.28	15.61	0.0000	30.28	30.34	1563
NRU2130	F3A233YR1D AY	17.49	15.80	0.0000	29.84	29.88	1851
NRU2150	F3A233YR1D AY	17.69	16.15	0.0000	5.07	4.75	1044
NRU2170	F3A233YR1D AY	17.07	16.40	0.0000	2.05	2.33	771
NRU2190	F3A233YR1D AY	17.08	16.47	0.0000	5.70	2.05	25700
NRU2210	F3A233YR1D AY	17.33	15.80	0.0001	3.15	2.58	538
NRU2230	F3A233YR1D AY	17.33	16.25	0.0000	10.13	0.05	76635
NRU2250	F3A233YR1D AY	17.31	16.25	0.0001	1.39	1.29	9787
NRU2270	F3A233YR1D	17.61	15.87	0.0000	23.88	23.89	1283

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NRU2290	F3A233YR1D AY	17.67	15.90	0.0000	18.07	18.20	1150
NRU2310	F3A233YR1D AY	17.68	15.91	0.0000	12.49	12.79	1271
NRU2330	F3A233YR1D AY	17.68	15.93	0.0001	15.01	6.63	757
NRU2350	F3A233YR1D AY	17.68	15.93	-0.0001	2.70	12.21	654
NRU2370	F3A233YR1D AY	17.37	16.16	0.0000	2.78	2.70	528
NRU2390	F3A233YR1D AY	17.36	16.40	0.0000	4.05	2.78	29443
NRU2410	F3A233YR1D AY	17.72	15.93	0.0000	6.53	4.72	1098
NRU2430	F3A233YR1D AY	17.83	15.94	0.0000	5.03	4.11	925
NRU2450	F3A233YR1D AY	18.06	15.94	0.0000	2.58	0.70	588
NRU2470	F3A233YR1D AY	15.72	14.59	0.0000	7.98	4.70	1457
NRU2490	F3A233YR1D AY	15.75	14.59	0.0000	4.85	1.17	1418
NRU2510	F3A233YR1D AY	15.75	14.48	0.0000	1.03	0.61	926
NRU2530	F3A233YR1D AY	15.76	14.48	0.0000	0.61	0.12	571
NRU2550	F3A233YR1D AY	16.53	13.20	0.0000	47.97	46.50	2428
NRU2570	F3A233YR1D AY	17.71	14.23	0.0000	41.87	40.34	2093
NRU2590	F3A233YR1D AY	18.30	15.17	0.0000	31.11	29.88	1428
NRU2610	F3A233YR1D AY	18.62	15.77	0.0000	30.96	29.69	1170
NRU2630	F3A233YR1D AY	19.41	16.69	0.0000	22.06	20.69	1128
NRU2650	F3A233YR1D AY	19.54	17.41	0.0000	11.11	9.57	927
NRU2670	F3A233YR1D AY	16.64	16.13	0.0000	22.21	22.46	2044
NRU2690	F3A233YR1D AY	17.09	16.90	-0.0001	108.32	80.17	158277
NSH02	F3A233YR1D AY	0.00	19.87	0.0000	8.06	7.85	1307
NSH03	F3A233YR1D AY	0.00	18.00	-0.0227	0.28	12.94	767

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSH04	F3A233YR1D AY	0.00	13.78	0.0000	31.04	29.31	4612
NSH05	F3A233YR1D AY	0.00	7.46	-0.0001	535.05	535.04	5036
NSH07	F3A233YR1D AY	0.00	6.19	-0.0001	14.84	14.44	623
NSH08	F3A233YR1D AY	0.00	7.22	0.0000	11.55	11.44	1603
NSH09	F3A233YR1D AY	0.00	8.17	0.0001	24.84	19.84	8322
NSH10	F3A233YR1D AY	0.00	18.99	0.0000	10.00	9.67	27483
NSH11	F3A233YR1D AY	0.00	21.04	0.0000	4.55	4.42	6151
NSH12	F3A233YR1D AY	0.00	6.46	0.0000	537.70	537.68	4105
NSH13	F3A233YR1D AY	0.00	6.17	0.0011	544.26	563.53	4600
NSH14	F3A233YR1D AY	0.00	6.14	0.0013	608.63	548.25	1911
NSH15	F3A233YR1D AY	0.00	18.67	0.0000	3.23	3.20	6205
NSH16	F3A233YR1D AY	0.00	7.71	0.0005	29.57	29.57	633
NSH17	F3A233YR1D AY	0.00	6.10	-0.0015	548.97	549.59	2161
NSH18	F3A233YR1D AY	0.00	6.07	-0.0007	574.31	573.25	3006
NSH19	F3A233YR1D AY	0.00	5.35	-0.0004	575.01	575.02	5396
NSH20	F3A233YR1D AY	0.00	20.16	0.0000	1.95	1.77	10634
NSH21	F3A233YR1D AY	0.00	10.23	0.0000	7.78	7.06	587
NSH22	F3A233YR1D AY	0.00	12.66	0.0000	22.31	19.52	2539
NSH23	F3A233YR1D AY	0.00	18.13	0.0000	6.39	6.35	2403
NSH24	F3A233YR1D AY	0.00	13.01	0.0000	10.98	7.54	2413
NSH25	F3A233YR1D AY	0.00	11.79	-0.0001	10.23	11.88	671
NSH26	F3A233YR1D AY	0.00	11.40	0.0001	22.44	21.94	1178
NSH26A	F3A233YR1D AY	0.00	11.23	0.0000	29.59	29.57	2060
NSH27	F3A233YR1D	0.00	10.92	0.0000	4.63	4.01	2877

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NSH27A	F3A233YR1D AY	0.00	10.66	0.0000	15.99	15.51	921
NSH27AA	F3A233YR1D AY	0.00	10.75	0.0000	4.01	4.06	561
NSH27B	F3A233YR1D AY	0.00	9.72	-0.0001	15.51	18.09	1033
NSH27C	F3A233YR1D AY	0.00	8.12	-0.0001	18.09	13.87	1035
NSH28	F3A233YR1D AY	0.00	8.99	0.0000	9.09	7.40	7343
NSH29	F3A233YR1D AY	0.00	7.43	-0.0001	6.71	11.85	648
NSH31	F3A233YR1D AY	0.00	8.95	0.0000	7.40	5.39	480
NSH33	F3A233YR1D AY	0.00	16.54	0.0000	1.52	1.47	3594
NSH34	F3A233YR1D AY	0.00	8.48	0.0000	18.70	18.07	773
NSH35	F3A233YR1D AY	0.00	7.23	-0.0001	8.41	8.73	547
NSH36	F3A233YR1D AY	0.00	7.19	-0.0001	20.38	20.32	806
NSH37	F3A233YR1D AY	0.00	6.15	-0.0013	568.43	608.49	1881
NSH41	F3A233YR1D AY	0.00	14.22	0.0000	2.58	2.57	465
NSH42	F3A233YR1D AY	0.00	2.89	0.0002	36.44	36.44	447
NSH43	F3A233YR1D AY	0.00	3.39	0.0003	36.19	36.19	507
NSH44	F3A233YR1D AY	0.00	6.85	0.0000	8.19	8.15	670
NSH45	F3A233YR1D AY	0.00	16.15	0.0000	14.66	14.48	19117
NSH48	F3A233YR1D AY	0.00	18.16	0.0000	8.55	8.52	2405
NSH49	F3A233YR1D AY	0.00	16.90	0.0000	8.38	8.35	473
NSH50	F3A233YR1D AY	0.00	12.51	0.0001	498.04	497.67	6021
NSH51	F3A233YR1D AY	0.00	16.12	0.0000	18.13	18.05	1330
NSH52	F3A233YR1D AY	0.00	12.65	0.0001	492.19	491.90	4413
NSH53	F3A233YR1D AY	0.00	14.50	0.0000	23.64	23.55	1029

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSH53B	F3A233YR1D AY	0.00	12.65	0.0001	3.82	0.79	448
NSH54	F3A233YR1D AY	0.00	14.00	0.0000	24.43	24.01	1254
NSH55	F3A233YR1D AY	0.00	13.08	0.0001	491.14	490.82	5311
NSH55B	F3A233YR1D AY	0.00	13.75	-0.0001	5.09	5.07	447
NSH56	F3A233YR1D AY	0.00	13.75	0.0000	2.78	2.76	464
NSH57	F3A233YR1D AY	0.00	14.09	0.0000	2.79	2.78	455
NSH60	F3A233YR1D AY	0.00	18.13	0.0000	8.60	8.27	436
NSH61	F3A233YR1D AY	0.00	14.63	0.0000	5.24	5.23	451
NSH65	F3A233YR1D AY	0.00	19.59	0.0000	1.61	1.60	436
NSH71	F3A233YR1D AY	9999.00	14.83	0.0000	8.29	8.25	2455
NSH75	F3A233YR1D AY	0.00	4.59	-0.0021	583.55	583.51	4064
NSH76	F3A233YR1D AY	0.00	3.57	-0.0096	547.57	547.58	2030
NSH80	F3A233YR1D AY	0.00	12.22	0.0001	507.24	506.99	6657
NSH81	F3A233YR1D AY	0.00	20.12	0.0000	0.19	0.00	1742
NSH82	F3A233YR1D AY	0.00	20.67	0.0000	1.10	0.00	4792
NSH83	F3A233YR1D AY	0.00	12.24	0.0001	8.79	9.23	451
NSH85	F3A233YR1D AY	0.00	12.12	0.0001	510.07	509.88	4681
NSHSelmonD S	F3A233YR1D AY	9999.00	9.54	0.0002	533.75	533.71	6356
NSHSelmonU S	F3A233YR1D AY	9999.00	11.10	-0.0002	521.57	521.58	3189
NSR0000	F3A233YR1D AY	2.00	2.00	0.0000	250.01	22.86	0
NSR0005	F3A233YR1D AY	2.00	2.00	0.0000	3.85	0.00	0
NSR0010	F3A233YR1D AY	2.00	2.00	0.0000	294.21	0.00	0
NSR0030	F3A233YR1D AY	2.92	2.86	0.0000	307.31	294.21	215133
NSR0032	F3A233YR1D	4.88	4.85	0.0000	6.94	2.89	16519

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NSR0034	F3A233YR1D AY	3.63	3.54	0.0000	34.58	33.36	10953
NSR0050	F3A233YR1D AY	3.44	3.31	0.0000	291.65	283.02	82092
NSR0070	F3A233YR1D AY	3.45	3.34	-0.0001	23.36	22.08	15524
NSR0090	F3A233YR1D AY	3.68	3.56	-0.0001	21.27	19.93	6303
NSR0100	F3A233YR1D AY	2.25	2.23	0.0000	3.87	3.85	524
NSR0102	F3A233YR1D AY	4.24	4.25	0.0000	2.76	2.45	2188
NSR0105	F3A233YR1D AY	1.91	2.63	-0.0174	250.07	250.01	484
NSR0110	F3A233YR1D AY	3.93	3.65	0.0000	11.01	10.74	448
NSR0112	F3A233YR1D AY	2.31	2.92	-0.0292	248.87	248.86	457
NSR0115	F3A233YR1D AY	4.25	4.27	0.0000	1.51	1.14	6734
NSR0120	F3A233YR1D AY	2.62	3.14	0.0303	246.37	246.41	479
NSR0130	F3A233YR1D AY	4.16	3.84	0.0000	6.15	5.84	445
NSR0135	F3A233YR1D AY	4.22	3.90	0.0000	2.40	1.92	438
NSR0140	F3A233YR1D AY	3.28	3.62	0.0129	243.84	243.83	477
NSR0150	F3A233YR1D AY	3.64	3.48	0.0003	273.30	271.21	28347
NSR0160	F3A233YR1D AY	3.56	3.81	0.0081	241.85	241.92	1430
NSR0165	F3A233YR1D AY	4.03	3.56	0.0000	2.07	1.72	440
NSR0170	F3A233YR1D AY	3.70	3.50	0.0000	3.65	2.43	1748
NSR0180	F3A233YR1D AY	3.83	3.71	0.0000	4.37	4.03	1782
NSR0190	F3A233YR1D AY	4.04	3.49	-0.0001	14.57	14.25	1310
NSR0210	F3A233YR1D AY	4.26	3.50	-0.0001	13.02	12.53	1568
NSR0230	F3A233YR1D AY	4.26	3.51	0.0000	13.28	10.32	5983
NSR0250	F3A233YR1D AY	3.93	3.74	0.0062	265.44	264.71	12764

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0270	F3A233YR1D AY	3.98	3.79	0.0000	28.99	28.59	5999
NSR0280	F3A233YR1D AY	5.41	5.31	0.0006	197.39	196.71	1046
NSR0281	F3A233YR1D AY	5.97	5.83	0.0004	197.02	190.89	4724
NSR0290	F3A233YR1D AY	6.70	5.96	-0.0004	54.59	54.55	5870
NSR0310	F3A233YR1D AY	9.28	9.13	-0.0001	49.32	46.75	33694
NSR0330	F3A233YR1D AY	9.65	9.38	0.0001	5.95	6.53	470
NSR0350	F3A233YR1D AY	10.32	9.86	0.0001	6.56	5.95	446
NSR0370	F3A233YR1D AY	10.35	10.10	0.0000	6.64	6.56	4788
NSR0390	F3A233YR1D AY	11.96	11.10	0.0001	20.76	20.68	2045
NSR0410	F3A233YR1D AY	12.27	11.57	0.0001	4.54	4.51	510
NSR0430	F3A233YR1D AY	12.28	12.03	0.0000	5.50	4.54	14949
NSR0450	F3A233YR1D AY	13.04	11.77	0.0000	12.70	12.38	1271
NSR0470	F3A233YR1D AY	13.10	11.81	0.0000	7.78	7.39	1155
NSR0490	F3A233YR1D AY	4.41	4.29	0.0060	105.54	104.83	13881
NSR0510	F3A233YR1D AY	4.48	4.41	0.0010	45.83	46.07	8420
NSR0530	F3A233YR1D AY	4.55	4.44	-0.0001	6.51	6.15	765
NSR0540	F3A233YR1D AY	4.55	4.52	0.0005	44.99	40.86	39316
NSR0550	F3A233YR1D AY	4.56	4.54	0.0012	277.01	277.02	5282
NSR0560	F3A233YR1D AY	4.66	4.62	0.0002	85.55	88.79	39273
NSR0570	F3A233YR1D AY	5.28	5.20	0.0001	79.70	80.66	29961
NSR0580	F3A233YR1D AY	6.13	5.95	-0.0001	12.50	7.45	43791
NSR0590	F3A233YR1D AY	6.15	5.97	0.0000	78.36	76.79	26144
NSR0610	F3A233YR1D AY	6.26	6.03	0.0001	17.64	18.25	38035
NSR0630	F3A233YR1D	6.26	6.03	-0.0001	16.77	16.85	475

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NSR0650	F3A233YR1D AY	6.25	6.02	0.0000	21.56	16.77	110720
NSR0660	F3A233YR1D AY	6.13	4.61	0.0000	4.55	4.07	483
NSR0670	F3A233YR1D AY	6.24	6.02	0.0001	7.10	7.87	520
NSR0680	F3A233YR1D AY	6.14	6.01	-0.0001	11.23	6.53	70104
NSR0690	F3A233YR1D AY	6.24	6.01	-0.0001	6.61	7.10	599
NSR0710	F3A233YR1D AY	6.23	6.01	0.0000	6.53	6.61	861
NSR0730	F3A233YR1D AY	6.29	6.18	0.0000	103.26	80.78	120327
NSR0770	F3A233YR1D AY	6.81	6.65	0.0001	83.02	81.99	4214
NSR0780	F3A233YR1D AY	6.74	6.68	-0.0001	6.77	5.19	10711
NSR0790	F3A233YR1D AY	8.35	8.06	0.0002	282.19	263.46	23827
NSR0791	F3A233YR1D AY	7.13	6.92	-0.0002	187.41	188.79	5596
NSR0809	F3A233YR1D AY	12.76	9.86	-0.0004	69.30	94.20	2127
NSR0810	F3A233YR1D AY	13.45	13.33	-0.0003	109.97	109.27	59924
NSR0830	F3A233YR1D AY	15.10	15.05	-0.0002	108.59	104.57	101105
NSR0840	F3A233YR1D AY	16.09	16.03	0.0001	14.33	14.36	30570
NSR0850	F3A233YR1D AY	15.64	15.58	-0.0004	75.13	72.10	64320
NSR0860	F3A233YR1D AY	16.41	16.39	0.0000	5.49	5.35	6329
NSR0869	F3A233YR1D AY	16.03	16.02	0.0001	30.21	30.02	1505
NSR0870	F3A233YR1D AY	16.24	16.27	0.0001	57.07	57.22	26546
NSR0880	F3A233YR1D AY	16.24	16.28	0.0000	19.04	18.56	9148
NSR0881	F3A233YR1D AY	14.14	14.36	0.0004	243.58	225.27	13396
NSR0890	F3A233YR1D AY	4.02	3.84	-0.1082	244.80	237.21	29787
NSR0910	F3A233YR1D AY	4.79	4.51	0.0024	157.35	156.61	5988

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0930	F3A233YR1D AY	5.54	4.58	0.0000	33.19	13.79	77655
NSR0950	F3A233YR1D AY	5.63	5.36	0.0009	155.30	154.10	11541
NSR0970	F3A233YR1D AY	6.14	5.80	-0.0002	130.98	131.10	3616
NSR0990	F3A233YR1D AY	6.27	5.92	0.0001	137.76	137.91	3846
NSR1010	F3A233YR1D AY	6.30	5.95	0.0000	18.58	18.35	5847
NSR1030	F3A233YR1D AY	8.54	8.16	-0.0001	119.41	119.44	9024
NSR1050	F3A233YR1D AY	8.56	8.16	0.0000	15.70	4.56	17921
NSR1070	F3A233YR1D AY	9.58	9.44	0.0004	137.54	136.73	19525
NSR1090	F3A233YR1D AY	11.30	11.27	0.0004	121.51	121.57	7627
NSR1110	F3A233YR1D AY	11.57	11.56	0.0000	1.64	1.63	2862
NSR1130	F3A233YR1D AY	11.29	11.26	0.0000	14.03	13.14	13270
NSR1150	F3A233YR1D AY	11.39	11.28	0.0000	4.16	4.01	5151
NSR1170	F3A233YR1D AY	11.38	11.28	0.0000	4.01	3.28	451
NSR1190	F3A233YR1D AY	12.70	12.75	0.0000	120.80	120.78	12427
NSR1210	F3A233YR1D AY	12.70	12.76	-0.0001	14.08	10.75	51574
NSR1230	F3A233YR1D AY	14.76	14.68	0.0000	120.22	120.08	9407
NSR1270	F3A233YR1D AY	14.99	14.92	0.0000	120.53	120.30	6127
NSR1290	F3A233YR1D AY	14.99	14.92	0.0000	6.08	2.42	15156
NSR1310	F3A233YR1D AY	14.99	14.92	0.0000	17.54	15.49	32464
NSR1330	F3A233YR1D AY	15.44	15.33	0.0000	122.72	119.22	20787
NSR1350	F3A233YR1D AY	15.45	15.34	0.0000	19.71	19.37	17327
NSR1370	F3A233YR1D AY	15.56	15.46	0.0000	114.89	108.64	20962
NSR1390	F3A233YR1D AY	15.56	15.46	0.0000	2.30	2.30	3049
NSR1410	F3A233YR1D	15.56	15.46	0.0002	23.30	21.74	2382

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NSR1430	F3A233YR1D AY	15.76	15.65	0.0000	27.52	26.99	7773
NSR1450	F3A233YR1D AY	15.74	15.63	0.0000	30.63	25.59	57821
NSR1470	F3A233YR1D AY	15.96	15.86	0.0000	26.20	25.82	22018
NSR1490	F3A233YR1D AY	16.21	16.12	0.0000	41.45	23.22	104531
NSR1510	F3A233YR1D AY	16.21	16.12	0.0000	25.40	16.95	27089
NSR1530	F3A233YR1D AY	15.56	15.46	-0.0001	3.45	2.03	3180
NSR1550	F3A233YR1D AY	15.68	15.58	0.0000	115.67	103.11	32288
NSR1570	F3A233YR1D AY	15.68	15.58	-0.0001	2.42	0.92	1228
NSR1590	F3A233YR1D AY	15.68	15.58	-0.0001	29.90	32.59	8532
NSR1610	F3A233YR1D AY	15.75	15.67	-0.0001	12.81	11.97	6157
NSR1630	F3A233YR1D AY	15.75	15.67	0.0000	89.93	79.56	18988
NSR1650	F3A233YR1D AY	16.39	17.06	0.0000	1.94	1.94	436
NSR1670	F3A233YR1D AY	15.92	15.92	-0.0002	18.13	15.70	35249
NSR1690	F3A233YR1D AY	16.24	16.10	0.0000	86.35	71.87	18790
NSR1710	F3A233YR1D AY	16.25	16.12	0.0000	4.98	4.33	880
NSR1730	F3A233YR1D AY	16.32	16.19	0.0000	86.46	81.10	8711
NSR1750	F3A233YR1D AY	16.68	16.67	0.0000	2.04	2.04	436
NSR1770	F3A233YR1D AY	17.23	17.28	0.0000	21.72	15.64	17112
NSR1790	F3A233YR1D AY	17.24	17.29	0.0000	23.45	16.42	29114
NSR1810	F3A233YR1D AY	17.25	17.29	0.0000	9.62	8.09	10643
NSR1830	F3A233YR1D AY	17.25	17.29	0.0000	33.78	25.38	66556
NSR1850	F3A233YR1D AY	16.95	17.02	-0.0001	7.32	8.05	13325
NSR1870	F3A233YR1D AY	16.93	17.00	0.0001	24.93	17.28	45043

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR1890	F3A233YR1D AY	16.05	16.29	0.0000	13.23	13.55	1056
NSR1910	F3A233YR1D AY	15.45	15.78	0.0003	43.81	40.74	4816
NSR1930	F3A233YR1D AY	16.53	16.37	-0.0001	65.68	65.32	1836
NSR1950	F3A233YR1D AY	16.70	16.58	-0.0001	20.97	20.43	1859
NSR1970	F3A233YR1D AY	16.84	16.75	-0.0001	19.62	18.67	12204
NSR1990	F3A233YR1D AY	16.86	16.75	0.0001	10.31	9.21	949
NSR2010	F3A233YR1D AY	16.91	16.76	-0.0001	11.88	10.31	14743
NSR2030	F3A233YR1D AY	16.90	16.75	-0.0001	6.50	5.26	751
NSR2050	F3A233YR1D AY	16.88	16.75	0.0000	7.77	6.83	10850
NSR2070	F3A233YR1D AY	16.81	16.70	0.0000	5.00	5.00	781
NSR2090	F3A233YR1D AY	16.72	16.63	0.0000	6.11	5.01	673
NSR2110	F3A233YR1D AY	16.54	16.50	0.0000	11.86	11.02	13935
NSR2130	F3A233YR1D AY	16.50	16.47	0.0000	11.85	6.78	89085
NSR2150	F3A233YR1D AY	17.60	16.59	-0.0001	44.32	39.88	65971
NSR2170	F3A233YR1D AY	17.62	16.80	0.0000	31.78	31.74	2087
NSR2190	F3A233YR1D AY	17.62	16.87	0.0001	31.83	31.78	967
NSR2210	F3A233YR1D AY	17.62	17.01	0.0000	29.52	21.66	54014
NSR2230	F3A233YR1D AY	17.62	16.92	-0.0001	21.20	20.54	675
NSR2250	F3A233YR1D AY	17.63	16.99	-0.0001	22.02	21.20	8872
NSR2270	F3A233YR1D AY	17.63	17.00	-0.0001	22.99	20.69	17006
NSR2290	F3A233YR1D AY	17.63	17.02	0.0000	17.84	17.37	888
NSR2310	F3A233YR1D AY	17.63	17.04	0.0000	18.33	17.84	6258
NSR2330	F3A233YR1D AY	17.65	17.58	0.0000	17.12	13.09	18305
NSR2350	F3A233YR1D	17.65	17.58	0.0001	15.55	11.66	21623

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	AY						
NSR2370	F3A233YR1D AY	16.66	16.38	0.0000	16.18	11.80	9676
NSR2390	F3A233YR1D AY	18.07	17.94	0.0000	7.91	0.91	55404
NSR2410	F3A233YR1D AY	16.66	16.38	0.0000	26.00	16.18	16248
NSR2430	F3A233YR1D AY	17.99	17.97	0.0000	1.78	1.77	2497
NSR2450	F3A233YR1D AY	18.06	18.02	0.0000	23.51	23.16	12919
NSR3000	F3A233YR1D AY	17.04	17.06	-0.0727	5.37	49.45	871
NSR3005	F3A233YR1D AY	17.02	17.05	0.1453	49.45	3.97	566
NSR3020	F3A233YR1D AY	17.61	17.68	-0.0001	26.07	22.82	61813
NSR3040	F3A233YR1D AY	16.25	16.29	0.0000	47.35	43.20	31414
NSR3060	F3A233YR1D AY	16.21	16.12	-0.0001	13.04	11.59	38523
NSW0010	F3A233YR1D AY	2.00	2.00	0.0000	17.00	0.00	0
NSW0030	F3A233YR1D AY	2.13	2.38	-0.0003	17.01	17.00	587
NSW0050	F3A233YR1D AY	4.04	3.16	0.0001	17.12	17.01	959
Outfall	F3A233YR1D AY	2.00	2.00	0.0000	36.19	0.00	0
Outfall_NE	F3A233YR1D AY	21.00	18.65	0.0002	8.21	0.00	0
PondA	F3A233YR1D AY	0.00	17.80	0.0294	14.25	8.29	24838
PondB	F3A233YR1D AY	0.00	13.34	0.0000	70.04	47.77	68472
SH_OUTFALL	F3A233YR1D AY	2.00	2.00	0.0000	661.71	34.88	0
STORAGE1	F3A233YR1D AY	0.00	18.43	0.0000	1.75	0.73	7405
STORAGE10	F3A233YR1D AY	0.00	19.59	0.0000	1.60	0.00	9148
STORAGE11	F3A233YR1D AY	0.00	19.87	0.0000	7.85	0.00	18648
STORAGE12	F3A233YR1D AY	0.00	18.57	0.0000	8.22	5.91	10262
STORAGE13	F3A233YR1D AY	0.00	16.91	0.0000	0.00	0.00	5323

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
STORAGE14	F3A233YR1D AY	0.00	20.38	0.0000	2.26	0.00	13395
STORAGE2	F3A233YR1D AY	0.00	17.80	0.0000	5.71	1.22	18426
STORAGE4	F3A233YR1D AY	0.00	17.48	0.0000	8.12	1.57	12088
STORAGE5	F3A233YR1D AY	0.00	20.88	0.0000	14.82	4.26	19757
STORAGE8	F3A233YR1D AY	0.00	14.94	0.0000	0.00	0.00	100
STORAGE9	F3A233YR1D AY	0.00	18.12	0.0000	6.69	1.17	11761
Sevilla1	F3A233YR1D AY	1.20	2.04	0.0000	0.03	0.03	804
Sevilla2	F3A233YR1D AY	1.23	2.02	0.0000	0.01	0.01	609
Sevilla3	F3A233YR1D AY	1.20	2.04	0.0000	0.07	0.07	1339
Sevilla4	F3A233YR1D AY	1.20	2.04	0.0000	0.12	0.12	1450
Shamrock2	F3A233YR1D AY	1.11	2.02	-0.0002	36.27	36.19	5389
Shmrck1.1	F3A233YR1D AY	1.38	2.08	-0.0001	36.17	36.20	6206
Shmrck1.2	F3A233YR1D AY	1.20	2.04	-0.0002	36.20	36.28	3971
THEA_JUNCT 1	F3A233YR1D AY	0.00	13.05	0.0000	20.23	20.19	667
THEA_JUNCT 2	F3A233YR1D AY	0.00	12.73	0.0000	20.19	20.18	501
THEA_Watrou s	F3A233YR1D AY	0.00	13.65	0.0002	20.34	20.23	815
V3	F3A233YR1D AY	6.53	6.53	0.0000	0.00	0.00	436
BC_N02	F3A25YR1DA Y	0.00	18.00	0.0000	0.00	0.00	0
Church1	F3A25YR1DA Y	8.77	10.24	0.0000	0.66	0.40	533
Church2	F3A25YR1DA Y	8.77	10.24	0.0000	7.17	6.75	4390
Clark1	F3A25YR1DA Y	7.21	8.19	0.0000	0.97	0.57	743
Clark2	F3A25YR1DA Y	7.21	8.19	-0.0001	62.88	62.71	21564
DM1	F3A25YR1DA Y	11.42	11.86	0.0000	7.14	7.24	1416
DM2	F3A25YR1DA	10.30	10.64	0.0000	7.24	7.13	2186

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
DM3	F3A25YR1DA Y	9.16	10.27	0.0000	7.13	7.17	2979
E_Outlet	F3A25YR1DA Y	0.00	16.53	0.0005	93.98	41.31	0
E_Outlet2	F3A25YR1DA Y	0.00	17.00	0.0000	0.00	0.00	0
EIP_Hes.1	F3A25YR1DA Y	1.99	2.97	0.0000	0.41	0.31	763
EIP_con.1	F3A25YR1DA Y	2.18	3.13	-0.0001	80.87	80.73	4221
EIPrad.1	F3A25YR1DA Y	1.99	2.97	0.0000	0.20	0.15	632
G1	F3A25YR1DA Y	14.98	15.98	-0.0038	154.50	95.70	40628
G10	F3A25YR1DA Y	8.77	10.22	-0.0001	63.49	62.88	4602
G2	F3A25YR1DA Y	14.99	15.92	-0.0002	36.68	37.67	32924
G3	F3A25YR1DA Y	14.86	15.91	-0.0004	120.44	120.25	27807
G4	F3A25YR1DA Y	12.82	14.94	-0.0005	120.25	117.38	57248
G5	F3A25YR1DA Y	11.69	13.68	0.0001	82.59	77.23	35772
G6	F3A25YR1DA Y	11.00	9.24	0.0000	12.52	0.00	0
G7	F3A25YR1DA Y	11.00	11.94	0.0000	71.96	71.77	3601
G8	F3A25YR1DA Y	10.07	11.01	0.0000	59.72	59.46	2143
G9	F3A25YR1DA Y	9.41	10.51	0.0001	59.46	59.16	1353
H1	F3A25YR1DA Y	1.99	3.30	0.0000	5.47	5.46	514
H2.1	F3A25YR1DA Y	1.99	2.97	-0.0001	86.06	86.02	6105
Hubert	F3A25YR1DA Y	3.16	3.76	0.0000	62.68	62.36	5965
JUNCT1	F3A25YR1DA Y	0.00	13.86	0.0000	0.79	0.70	1235
JUNCT10	F3A25YR1DA Y	0.00	22.14	0.0000	61.31	61.20	10835
JUNCT2	F3A25YR1DA Y	0.00	14.17	0.0000	15.82	15.78	2153
JUNCT3	F3A25YR1DA Y	0.00	19.72	0.0000	0.47	0.28	4478

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
JUNCT4	F3A25YR1DA Y	0.00	13.62	0.0000	2.71	2.66	4949
JUNCT6	F3A25YR1DA Y	0.00	16.39	0.0000	122.18	120.43	10272
JUNCT7	F3A25YR1DA Y	0.00	19.60	0.0000	116.07	116.03	8388
JUNCT7B	F3A25YR1DA Y	0.00	19.05	0.0000	116.03	116.55	25729
JUNCT8	F3A25YR1DA Y	0.00	19.60	0.0000	186.87	186.81	11633
JUNCT8B	F3A25YR1DA Y	0.00	19.04	0.0000	192.56	192.64	34815
JUNCT9	F3A25YR1DA Y	0.00	29.56	0.0000	58.51	58.58	9578
L1	F3A25YR1DA Y	11.53	11.98	0.0000	35.38	36.46	51707
L2	F3A25YR1DA Y	11.63	11.76	0.0000	8.59	8.45	41894
L3	F3A25YR1DA Y	10.43	10.56	0.0000	9.80	8.95	46099
L4	F3A25YR1DA Y	8.43	8.53	0.0000	4.17	3.79	50838
L5	F3A25YR1DA Y	7.63	7.68	0.0000	1.55	1.29	43662
L6	F3A25YR1DA Y	6.93	6.96	0.0000	0.53	0.39	43812
Lois	F3A25YR1DA Y	4.82	5.01	0.0001	62.71	62.68	6808
M1	F3A25YR1DA Y	2.58	6.50	-0.0003	34.84	33.95	24843
M1.1	F3A25YR1DA Y	6.33	6.84	0.0000	38.45	34.84	35184
M1.2	F3A25YR1DA Y	7.03	7.35	0.0000	31.79	34.24	28442
M1.3	F3A25YR1DA Y	7.13	7.61	0.0000	28.34	27.51	28489
M2	F3A25YR1DA Y	2.58	5.89	-0.0006	36.53	31.82	60587
M3	F3A25YR1DA Y	2.58	5.47	-0.0004	31.94	30.37	39362
M4	F3A25YR1DA Y	2.58	4.96	-0.0005	30.38	25.01	49902
M5.1	F3A25YR1DA Y	2.57	3.45	0.0000	81.06	80.88	6163
M6	F3A25YR1DA Y	2.58	3.45	0.0000	0.40	0.23	558
N01	F3A25YR1DA	0.00	19.65	0.0000	32.74	22.48	32129

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
N01A	F3A25YR1DA Y	0.00	19.36	0.0001	10.16	9.88	456
N02	F3A25YR1DA Y	0.00	17.02	-0.0001	30.83	30.53	4149
N03	F3A25YR1DA Y	0.00	17.02	0.0000	2.41	2.80	597
N04	F3A25YR1DA Y	0.00	19.37	0.0000	12.56	12.41	643
N05	F3A25YR1DA Y	0.00	16.89	0.0000	86.16	85.85	4405
N06	F3A25YR1DA Y	0.00	16.58	0.0002	67.81	68.14	3292
N07A	F3A25YR1DA Y	0.00	15.69	0.0002	72.99	73.33	4248
N08A	F3A25YR1DA Y	0.00	14.51	-0.0002	116.72	116.79	1955
N09	F3A25YR1DA Y	0.00	12.56	0.0001	13.51	12.85	468
N09A	F3A25YR1DA Y	0.00	12.33	0.0003	126.66	126.66	1360
N10	F3A25YR1DA Y	2.00	2.00	0.0000	287.73	0.00	0
N11	F3A25YR1DA Y	0.00	16.74	-0.0008	74.25	93.98	176646
NBB0010	F3A25YR1DA Y	2.00	2.00	0.0000	133.13	0.00	0
NBB0030	F3A25YR1DA Y	5.03	7.21	-0.0006	133.13	133.13	557
NBB0050	F3A25YR1DA Y	9.15	12.43	-0.0003	181.44	133.13	85538
NBB0070	F3A25YR1DA Y	11.30	13.73	-0.0001	113.61	112.64	2549
NBB0090	F3A25YR1DA Y	12.67	14.03	0.0001	107.64	107.65	2685
NBB0110	F3A25YR1DA Y	13.46	15.10	0.0001	100.59	100.60	1982
NBB0130	F3A25YR1DA Y	15.26	16.71	-0.0003	49.29	36.22	47198
NBB0150	F3A25YR1DA Y	14.01	15.56	0.0001	72.32	72.48	1935
NBB0170	F3A25YR1DA Y	14.74	16.17	0.0001	72.22	72.32	1452
NBB0190	F3A25YR1DA Y	15.42	16.75	0.0001	72.13	72.22	53051
NBB0210	F3A25YR1DA Y	15.70	16.83	0.0001	69.63	69.73	1556

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBB0230	F3A25YR1DA Y	16.02	16.91	0.0001	69.53	69.63	5425
NBB0250	F3A25YR1DA Y	16.31	17.23	0.0001	68.80	68.90	2036
NBB0270	F3A25YR1DA Y	17.05	17.69	0.0001	68.08	68.80	21067
NBB0290	F3A25YR1DA Y	17.06	17.69	0.0001	55.00	54.33	1258
NBB0310	F3A25YR1DA Y	17.07	17.70	-0.0002	187.52	105.84	420459
NBB0330	F3A25YR1DA Y	16.57	17.00	0.0002	43.42	40.63	27638
NBB0350	F3A25YR1DA Y	16.45	16.99	0.0002	28.06	29.04	1396
NBB0370	F3A25YR1DA Y	16.33	16.97	0.0002	83.04	55.82	67423
NBB0390	F3A25YR1DA Y	16.32	16.97	0.0002	21.48	22.33	1833
NBB0410	F3A25YR1DA Y	16.30	16.97	-0.0002	70.27	53.31	42095
NBB0430	F3A25YR1DA Y	15.45	16.00	-0.0003	122.95	175.92	67704
NBW0010	F3A25YR1DA Y	2.00	2.00	0.0000	802.37	0.00	0
NBW0030	F3A25YR1DA Y	3.39	4.18	0.0002	803.15	802.37	49933
NBW0050	F3A25YR1DA Y	3.92	4.21	0.0000	12.94	11.77	6157
NBW0070	F3A25YR1DA Y	3.57	4.50	-0.0005	257.10	519.20	43341
NBW0090	F3A25YR1DA Y	3.66	4.21	0.0000	8.47	8.03	32014
NBW0130	F3A25YR1DA Y	3.73	4.65	0.0000	255.29	256.10	14581
NBW0150	F3A25YR1DA Y	3.93	4.64	0.0001	11.15	10.55	9646
NBW0170	F3A25YR1DA Y	3.98	4.61	0.0001	6.39	4.14	33805
NBW0190	F3A25YR1DA Y	3.89	4.78	-0.0001	254.31	253.80	5987
NBW0210	F3A25YR1DA Y	6.25	6.37	0.0000	11.08	10.84	6589
NBW0230	F3A25YR1DA Y	4.01	4.96	0.0001	252.54	253.63	5033
NBW0250	F3A25YR1DA Y	4.88	5.84	0.0000	251.70	251.79	5655
NBW0270	F3A25YR1DA	5.49	5.85	0.0001	53.16	46.74	28277

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NBW0290	F3A25YR1DA Y	5.91	5.97	0.0000	40.16	40.79	13706
NBW0310	F3A25YR1DA Y	6.38	6.82	0.0000	14.38	12.52	10617
NBW0330	F3A25YR1DA Y	5.50	6.65	0.0000	246.61	246.50	24038
NBW0350	F3A25YR1DA Y	4.97	4.99	0.0000	10.89	10.87	2530
NBW0370	F3A25YR1DA Y	5.52	6.66	-0.0001	11.08	9.94	9139
NBW0390	F3A25YR1DA Y	5.52	6.66	-0.0001	13.35	8.66	35674
NBW0410	F3A25YR1DA Y	5.54	6.73	-0.0002	243.60	243.70	3446
NBW0430	F3A25YR1DA Y	5.89	7.12	0.0000	8.37	7.53	27738
NBW0450	F3A25YR1DA Y	5.89	7.12	0.0001	244.32	243.60	12326
NBW0470	F3A25YR1DA Y	5.89	7.12	0.0000	6.10	5.28	17866
NBW0490	F3A25YR1DA Y	5.92	7.20	-0.0001	242.88	242.81	3173
NBW0510	F3A25YR1DA Y	6.72	7.20	0.0000	5.20	5.19	7758
NBW0530	F3A25YR1DA Y	6.22	7.57	0.0000	242.85	242.82	4802
NBW0550	F3A25YR1DA Y	6.72	8.40	0.0000	208.62	199.40	297706
NBW0570	F3A25YR1DA Y	7.09	8.36	0.0000	195.84	193.72	49074
NBW0590	F3A25YR1DA Y	10.03	10.16	-0.0002	291.93	291.00	86262
NBW0610	F3A25YR1DA Y	6.45	7.80	-0.0001	220.66	220.51	9158
NBW0630	F3A25YR1DA Y	6.22	7.57	0.0000	8.12	5.66	63690
NBW0650	F3A25YR1DA Y	6.66	8.36	0.0000	222.56	221.44	22102
NBW0670	F3A25YR1DA Y	6.66	8.36	0.0000	14.11	5.01	38222
NBW0690	F3A25YR1DA Y	6.71	8.39	-0.0001	176.39	176.67	10571
NBW0710	F3A25YR1DA Y	6.71	8.39	0.0000	18.54	10.38	53086
NBW0730	F3A25YR1DA Y	6.72	8.39	-0.0001	176.99	170.16	220355

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW0750	F3A25YR1DA Y	7.06	8.41	0.0001	211.05	201.14	114737
NBW0770	F3A25YR1DA Y	7.06	8.41	-0.0002	33.31	26.76	26941
NBW0790	F3A25YR1DA Y	8.11	8.41	0.0000	28.50	28.31	3181
NBW0810	F3A25YR1DA Y	7.06	8.41	0.0000	52.78	44.86	49375
NBW0830	F3A25YR1DA Y	8.41	8.41	-0.0001	41.98	41.74	3093
NBW0850	F3A25YR1DA Y	10.17	9.83	0.0001	43.14	38.48	13550
NBW0870	F3A25YR1DA Y	7.06	8.43	0.0000	195.33	172.49	227261
NBW0890	F3A25YR1DA Y	7.06	8.41	0.0004	16.80	17.42	1027
NBW0910	F3A25YR1DA Y	7.06	8.42	-0.0001	193.94	182.24	143264
NBW0930	F3A25YR1DA Y	8.03	8.65	-0.0001	42.52	42.40	1301
NBW0950	F3A25YR1DA Y	8.82	8.98	-0.0001	63.05	42.52	112266
NBW0970	F3A25YR1DA Y	8.82	8.98	0.0003	37.98	36.02	26350
NBW0990	F3A25YR1DA Y	8.82	8.98	-0.0005	14.81	14.44	785
NBW1010	F3A25YR1DA Y	8.83	9.01	0.0000	37.01	36.96	1120
NBW1030	F3A25YR1DA Y	9.19	10.88	0.0000	84.46	36.24	56925
NBW1050	F3A25YR1DA Y	9.30	10.89	-0.0001	17.50	16.97	900
NBW1070	F3A25YR1DA Y	9.34	10.89	0.0000	229.04	227.76	67912
NBW1090	F3A25YR1DA Y	3.78	4.67	-0.0001	447.49	444.47	15946
NBW1130	F3A25YR1DA Y	4.51	5.37	-0.0001	129.84	129.66	29864
NBW1150	F3A25YR1DA Y	4.53	5.42	-0.0001	138.97	137.31	66315
NBW1169	F3A25YR1DA Y	4.09	4.90	0.0000	430.21	426.79	18040
NBW1170	F3A25YR1DA Y	4.30	5.06	0.0001	424.24	423.12	6908
NBW1190	F3A25YR1DA Y	6.13	6.55	-0.0001	52.32	44.87	61245
NBW1210	F3A25YR1DA	7.17	7.58	-0.0003	194.15	189.29	154092

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NBW1230	F3A25YR1DA Y	7.17	7.61	-0.0002	237.63	180.11	224799
NBW1250	F3A25YR1DA Y	4.74	5.60	-0.0001	382.22	380.85	7823
NBW1270	F3A25YR1DA Y	6.14	6.55	-0.0001	14.58	13.48	40893
NBW1310	F3A25YR1DA Y	5.21	5.89	0.0002	438.88	377.48	8354
NBW1330	F3A25YR1DA Y	7.56	9.00	-0.0021	329.44	376.13	3076
NBW1350	F3A25YR1DA Y	10.95	11.71	0.0002	44.03	45.83	13555
NBW1351	F3A25YR1DA Y	8.89	10.87	0.0004	275.81	280.53	19832
NBW1352	F3A25YR1DA Y	9.96	12.34	0.0006	271.36	271.42	7956
NBW1353	F3A25YR1DA Y	11.01	13.82	0.0005	267.50	267.58	8196
NBW1370	F3A25YR1DA Y	10.02	10.94	0.0004	214.39	221.25	37153
NBW1390	F3A25YR1DA Y	15.24	15.45	0.0004	297.76	295.62	145681
NBW1410	F3A25YR1DA Y	15.58	15.71	0.0003	191.13	186.89	26534
NBW1430	F3A25YR1DA Y	15.79	15.84	-0.0002	168.64	167.63	20660
NBW1450	F3A25YR1DA Y	16.94	17.08	-0.0004	277.17	276.91	116903
NBW1460	F3A25YR1DA Y	16.43	16.59	-0.0002	151.15	152.02	4273
NBW1470	F3A25YR1DA Y	17.14	17.37	-0.0002	313.41	306.87	213292
NBW1480	F3A25YR1DA Y	18.11	18.18	0.0001	15.32	15.14	16548
NBW1490	F3A25YR1DA Y	17.86	18.22	-0.0002	193.19	191.01	105685
NBW1510	F3A25YR1DA Y	18.12	18.47	0.0003	119.50	119.98	28850
NBW1530	F3A25YR1DA Y	17.92	18.46	0.0001	17.26	12.16	1188
NBW1550	F3A25YR1DA Y	17.75	18.45	0.0001	44.80	39.80	21329
NBW1570	F3A25YR1DA Y	18.21	18.64	0.0002	121.19	114.93	2604
NBW1590	F3A25YR1DA Y	18.12	18.46	0.0001	46.64	47.29	21510

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW1610	F3A25YR1DA Y	18.13	18.47	0.0001	34.64	32.59	17445
NBW1630	F3A25YR1DA Y	18.13	18.32	0.0001	26.80	26.78	1818
NBW1650	F3A25YR1DA Y	18.81	19.37	0.0001	16.79	13.56	30413
NBW1670	F3A25YR1DA Y	18.89	19.38	0.0001	38.16	35.29	25599
NBW1690	F3A25YR1DA Y	19.03	19.38	0.0001	23.97	22.02	13580
NBW1710	F3A25YR1DA Y	19.26	19.38	0.0001	4.58	1.69	998
NBW1730	F3A25YR1DA Y	18.65	19.35	0.0004	240.93	234.04	278067
NBW1750	F3A25YR1DA Y	18.82	19.37	0.0001	146.54	132.09	52762
NBW1770	F3A25YR1DA Y	18.82	19.37	0.0001	138.91	121.10	135491
NBW1790	F3A25YR1DA Y	18.91	19.38	0.0001	32.21	30.57	19886
NBW1820	F3A25YR1DA Y	18.72	19.14	0.0000	70.44	60.86	147077
NBW1830	F3A25YR1DA Y	18.74	19.38	0.0001	56.26	58.09	66785
NBW1840	F3A25YR1DA Y	18.39	18.65	0.0000	114.54	104.49	111695
NBW1850	F3A25YR1DA Y	18.74	19.40	0.0001	149.09	139.80	128865
NBW1860	F3A25YR1DA Y	18.39	18.65	-0.0001	15.62	10.98	20561
NBW1870	F3A25YR1DA Y	18.72	19.14	-0.0002	27.37	27.49	37284
NBW1890	F3A25YR1DA Y	19.06	19.70	0.0001	41.19	41.14	2614
NBW1910	F3A25YR1DA Y	19.27	19.90	0.0001	67.55	67.08	4467
NBW1930	F3A25YR1DA Y	19.27	19.90	0.0001	32.54	31.03	29890
NBW1950	F3A25YR1DA Y	18.97	19.41	0.0001	5.59	2.49	450
NBW1970	F3A25YR1DA Y	18.96	19.40	0.0000	13.89	13.83	7755
NBW1990	F3A25YR1DA Y	19.27	19.81	0.0001	85.73	80.33	118449
NBW2010	F3A25YR1DA Y	19.65	19.82	0.0001	10.74	10.83	11041
NBW2030	F3A25YR1DA	19.65	19.82	0.0001	14.94	10.67	65859

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NBW2050	F3A25YR1DA Y	19.26	19.97	0.0001	63.43	48.08	111064
NBW2060	F3A25YR1DA Y	0.00	19.97	0.0000	23.85	21.10	51470
NBW2070	F3A25YR1DA Y	19.26	19.97	0.0002	123.47	75.34	180769
NBW2090	F3A25YR1DA Y	19.10	18.72	0.0002	70.20	60.41	6468
NBW2110	F3A25YR1DA Y	18.92	18.34	0.0002	83.18	80.12	59853
NBW2130	F3A25YR1DA Y	18.92	18.34	0.0002	86.05	84.16	24969
NBW2140	F3A25YR1DA Y	20.00	18.73	-0.0001	9.57	7.57	652
NBW2145	F3A25YR1DA Y	0.00	19.33	-0.0009	18.07	87.56	28588
NBW2150	F3A25YR1DA Y	19.26	19.97	0.0001	88.21	84.49	26793
NBW2170	F3A25YR1DA Y	19.12	20.02	0.0001	5.43	4.75	936
NBW2190	F3A25YR1DA Y	19.10	20.05	0.0001	8.19	5.43	16567
NBW2210	F3A25YR1DA Y	19.47	19.98	0.0001	40.43	41.27	18038
NBW2230	F3A25YR1DA Y	19.47	19.98	-0.0002	66.31	63.51	63636
NBW2250	F3A25YR1DA Y	19.51	19.98	0.0001	31.96	32.62	3647
NBW2270	F3A25YR1DA Y	19.57	19.97	0.0001	30.91	31.56	19518
NBW2290	F3A25YR1DA Y	19.65	19.98	-0.0002	44.25	36.58	132553
NBW2310	F3A25YR1DA Y	19.82	19.90	-0.0002	46.48	43.46	112127
NBW2330	F3A25YR1DA Y	19.82	19.90	-0.0002	31.74	19.73	60778
NBW2350	F3A25YR1DA Y	16.05	16.29	0.0001	95.52	95.24	65120
NBW2370	F3A25YR1DA Y	16.11	16.29	-0.0001	21.32	19.01	57928
NBW2380	F3A25YR1DA Y	12.29	15.67	0.0004	264.25	264.93	10756
NBW2385	F3A25YR1DA Y	18.49	18.50	0.0000	5.00	4.99	6541
NBW2387	F3A25YR1DA Y	16.11	15.81	0.0000	0.60	0.58	480

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW2390	F3A25YR1DA Y	16.42	17.68	0.0001	80.34	79.60	35035
NBW2410	F3A25YR1DA Y	16.59	18.24	-0.0002	153.50	149.80	168149
NBW2430	F3A25YR1DA Y	16.23	18.27	-0.0001	233.03	230.78	78813
NBW2450	F3A25YR1DA Y	16.15	18.29	0.0002	164.44	162.42	4396
NBW2470	F3A25YR1DA Y	16.43	18.45	0.0002	370.49	253.98	39916
NBW2490	F3A25YR1DA Y	16.90	18.45	-0.0004	77.46	312.62	21611
NBW2510	F3A25YR1DA Y	17.74	18.46	-0.0001	74.08	73.33	3570
NBW2530	F3A25YR1DA Y	17.92	18.46	-0.0001	62.44	63.07	2010
NBW2550	F3A25YR1DA Y	17.95	18.48	-0.0001	2.62	3.07	450
NBW2570	F3A25YR1DA Y	17.96	18.48	0.0000	3.93	2.62	7607
NBW2590	F3A25YR1DA Y	18.06	18.47	0.0001	50.61	51.11	1098
NBW2610	F3A25YR1DA Y	17.00	18.52	-0.0008	274.74	271.43	102983
NBW2630	F3A25YR1DA Y	17.98	18.55	0.0001	183.74	172.15	39327
NBW2650	F3A25YR1DA Y	16.97	18.53	-0.0004	27.53	28.66	26435
NBW2670	F3A25YR1DA Y	16.42	18.53	0.0001	35.79	30.73	31058
NBW2680	F3A25YR1DA Y	17.73	18.17	-0.0001	63.01	60.24	27505
NBW2690	F3A25YR1DA Y	15.40	18.07	0.0002	268.34	252.46	88006
NBW2710	F3A25YR1DA Y	17.73	18.19	0.0001	2.87	2.53	532
NBW2730	F3A25YR1DA Y	18.29	18.65	0.0000	2.64	1.23	5635
NBW2770	F3A25YR1DA Y	18.09	18.57	0.0001	13.26	13.29	1310
NBW2775	F3A25YR1DA Y	6.59	6.66	0.0000	16.63	13.39	29138
NBW2780	F3A25YR1DA Y	18.38	18.62	-0.0001	87.98	86.37	111899
NBW2790	F3A25YR1DA Y	18.38	18.64	0.0000	231.32	225.35	109970
NBW2810	F3A25YR1DA	18.39	18.64	-0.0002	87.32	83.54	70925

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NBW2830	F3A25YR1DA Y	18.40	18.65	-0.0001	66.32	53.96	134348
NC01	F3A25YR1DA Y	0.00	6.14	-0.0001	28.22	27.31	4163
NC01B	F3A25YR1DA Y	0.00	5.88	0.0000	19.17	19.13	5776
NC02	F3A25YR1DA Y	0.00	8.77	0.0001	136.67	136.67	8788
NC03	F3A25YR1DA Y	0.00	4.88	-0.0001	159.76	159.72	11944
NC04	F3A25YR1DA Y	0.00	3.78	0.0000	80.74	76.11	39586
NC05	F3A25YR1DA Y	0.00	3.77	-0.0001	85.83	82.97	51857
NC06	F3A25YR1DA Y	0.00	3.73	0.0000	92.38	91.82	23056
NC07	F3A25YR1DA Y	0.00	3.73	-0.0001	83.32	83.25	21614
NC08	F3A25YR1DA Y	0.00	3.69	0.0000	95.41	95.24	16465
NCL0010	F3A25YR1DA Y	2.00	2.00	0.0000	750.57	0.00	0
NCL0030	F3A25YR1DA Y	2.36	3.01	0.0001	559.63	559.61	6856
NCL0050	F3A25YR1DA Y	2.36	3.01	0.0000	0.43	1.08	439
NCL0070	F3A25YR1DA Y	5.20	5.62	0.0000	185.28	183.48	63895
NCL0090	F3A25YR1DA Y	6.06	6.25	-0.0001	69.14	53.33	85004
NCL0110	F3A25YR1DA Y	3.04	3.75	-0.0008	615.46	615.45	6623
NCL0130	F3A25YR1DA Y	4.05	3.90	-0.0002	151.14	151.20	565
NCL0150	F3A25YR1DA Y	4.95	5.19	0.0001	151.07	151.14	2802
NCL0170	F3A25YR1DA Y	5.08	5.30	-0.0001	87.53	87.56	1472
NCL0190	F3A25YR1DA Y	5.08	5.31	0.0000	3.28	3.00	438
NCL0210	F3A25YR1DA Y	5.85	6.26	-0.0001	97.69	99.03	19757
NCL0230	F3A25YR1DA Y	6.60	7.24	-0.0002	50.64	32.45	62222
NCL0250	F3A25YR1DA Y	6.60	7.24	0.0001	3.88	3.87	598

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL0270	F3A25YR1DA Y	6.60	7.25	0.0000	5.91	4.38	2464
NCL0290	F3A25YR1DA Y	5.90	6.32	-0.0001	63.48	63.86	924
NCL0310	F3A25YR1DA Y	6.10	6.56	0.0004	63.43	63.77	1045
NCL0330	F3A25YR1DA Y	5.95	6.29	-0.0001	24.01	26.85	12666
NCL0350	F3A25YR1DA Y	6.60	7.24	-0.0002	154.47	118.62	96518
NCL0370	F3A25YR1DA Y	7.36	7.77	0.0002	140.60	138.34	28109
NCL0390	F3A25YR1DA Y	4.02	4.69	-0.0067	449.82	471.53	4339
NCL0410	F3A25YR1DA Y	4.09	4.86	-0.0003	7.48	7.37	819
NCL0430	F3A25YR1DA Y	4.23	5.06	-0.0001	7.69	7.48	639
NCL0450	F3A25YR1DA Y	4.75	5.37	-0.0005	438.81	438.85	3676
NCL0470	F3A25YR1DA Y	5.43	5.98	-0.0010	437.19	437.23	3437
NCL0490	F3A25YR1DA Y	6.48	6.90	-0.0006	517.47	519.52	52462
NCL0510	F3A25YR1DA Y	6.67	7.13	0.0002	37.48	36.96	1743
NCL0530	F3A25YR1DA Y	8.10	8.35	0.0004	40.47	21.08	1172
NCL0550	F3A25YR1DA Y	8.17	8.41	-0.0002	34.32	40.47	48152
NCL0570	F3A25YR1DA Y	8.66	8.73	-0.0001	17.82	16.58	3032
NCL0590	F3A25YR1DA Y	7.00	7.46	0.0007	451.32	451.66	6775
NCL0610	F3A25YR1DA Y	7.52	8.03	0.0007	434.56	434.76	3640
NCL0630	F3A25YR1DA Y	8.06	8.70	-0.0004	431.26	431.29	4608
NCL0650	F3A25YR1DA Y	8.12	8.76	-0.0002	50.58	102.61	1613
NCL0670	F3A25YR1DA Y	8.67	9.36	0.0003	130.49	50.58	1693
NCL0690	F3A25YR1DA Y	8.76	9.41	-0.0002	33.47	35.14	606
NCL0710	F3A25YR1DA Y	8.95	9.53	0.0002	33.71	32.98	601
NCL0730	F3A25YR1DA	9.26	9.74	-0.0001	35.05	33.71	554

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NCL0750	F3A25YR1DA Y	9.56	9.92	0.0000	145.52	132.75	64991
NCL0770	F3A25YR1DA Y	10.12	10.35	0.0000	81.83	81.78	2178
NCL0790	F3A25YR1DA Y	8.69	9.39	-0.0003	34.56	101.58	895
NCL0810	F3A25YR1DA Y	8.84	9.62	0.0001	35.44	34.56	13164
NCL0830	F3A25YR1DA Y	8.93	9.84	0.0005	382.39	384.47	42572
NCL0850	F3A25YR1DA Y	9.01	9.86	0.0001	109.02	100.39	24608
NCL0870	F3A25YR1DA Y	9.37	10.07	-0.0001	126.17	125.87	2022
NCL0890	F3A25YR1DA Y	9.65	10.25	0.0001	111.40	111.05	1589
NCL0910	F3A25YR1DA Y	9.71	10.25	0.0001	8.72	7.36	13189
NCL0930	F3A25YR1DA Y	9.57	10.64	-0.0001	123.21	122.33	3321
NCL0950	F3A25YR1DA Y	9.89	10.90	0.0001	108.58	108.36	3205
NCL0970	F3A25YR1DA Y	10.41	11.34	0.0001	45.75	44.77	2270
NCL0990	F3A25YR1DA Y	11.00	11.63	0.0001	44.77	43.91	5995
NCL1010	F3A25YR1DA Y	11.14	11.89	0.0001	9.56	9.45	638
NCL1030	F3A25YR1DA Y	9.67	10.11	-0.0002	23.00	33.52	1475
NCL1050	F3A25YR1DA Y	10.46	10.13	0.0001	8.37	7.98	1118
NCL1070	F3A25YR1DA Y	9.30	10.94	0.0001	4.25	4.29	631
NCL1090	F3A25YR1DA Y	9.76	11.01	0.0000	35.65	16.24	22180
NCL1110	F3A25YR1DA Y	9.85	10.62	0.0001	17.63	17.66	2096
NCL1130	F3A25YR1DA Y	9.76	11.01	-0.0001	27.19	16.61	87563
NCL1150	F3A25YR1DA Y	9.76	11.01	0.0001	612.63	612.91	241753
NCL1170	F3A25YR1DA Y	10.59	12.14	0.0005	430.74	357.60	134831
NCL1190	F3A25YR1DA Y	10.72	12.38	0.0001	81.70	81.10	1850

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL1210	F3A25YR1DA Y	10.63	12.16	0.0001	52.26	19.27	57231
NCL1230	F3A25YR1DA Y	10.94	12.69	0.0001	82.30	81.70	1432
NCL1250	F3A25YR1DA Y	11.11	12.87	0.0001	82.92	82.30	1231
NCL1270	F3A25YR1DA Y	11.34	13.08	0.0001	131.92	116.81	88580
NCL1290	F3A25YR1DA Y	13.06	13.75	0.0001	105.80	105.33	15826
NCL1310	F3A25YR1DA Y	14.77	15.37	-0.0001	103.82	102.51	34081
NCL1330	F3A25YR1DA Y	10.60	12.14	-0.0003	288.64	287.09	85855
NCL1350	F3A25YR1DA Y	10.63	12.15	0.0001	293.23	286.98	69463
NCL1370	F3A25YR1DA Y	10.63	12.18	-0.0002	132.76	131.66	11378
NCL1390	F3A25YR1DA Y	10.63	13.07	0.0001	46.92	44.08	26730
NCL1410	F3A25YR1DA Y	10.63	13.07	0.0001	48.47	46.19	10467
NCL1430	F3A25YR1DA Y	10.70	12.18	0.0004	547.20	435.20	226907
NCL1450	F3A25YR1DA Y	10.93	12.77	0.0009	462.21	461.79	3036
NCL1470	F3A25YR1DA Y	12.72	14.21	0.0002	343.63	343.01	4425
NCL1490	F3A25YR1DA Y	14.45	14.69	0.0000	6.39	6.36	784
NCL1510	F3A25YR1DA Y	11.06	12.81	-0.0008	62.70	79.87	9086
NCL1530	F3A25YR1DA Y	12.54	12.94	-0.0002	90.85	89.77	13048
NCL1550	F3A25YR1DA Y	13.13	13.38	-0.0001	43.26	42.06	1021
NCL1570	F3A25YR1DA Y	13.31	13.75	0.0001	5.38	5.30	504
NCL1590	F3A25YR1DA Y	13.70	13.80	0.0000	2.51	2.35	1307
NCL1610	F3A25YR1DA Y	13.37	13.88	0.0001	3.37	3.16	469
NCL1630	F3A25YR1DA Y	13.57	13.69	-0.0002	81.34	81.33	2663
NCL1650	F3A25YR1DA Y	13.68	13.88	-0.0002	83.86	83.87	1293
NCL1670	F3A25YR1DA	14.02	14.70	0.0001	114.05	114.05	8347

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NCL1690	F3A25YR1DA Y	17.47	17.80	0.0001	57.68	57.61	5563
NCL1710	F3A25YR1DA Y	17.89	18.11	0.0001	52.75	52.77	3311
NCL1730	F3A25YR1DA Y	18.27	19.00	0.0006	151.22	151.14	28040
NCL1750	F3A25YR1DA Y	18.24	18.90	-0.0006	26.88	26.89	513
NCL1770	F3A25YR1DA Y	18.07	18.22	0.0001	42.98	42.96	3108
NCL1790	F3A25YR1DA Y	15.78	16.21	0.0001	337.85	337.36	5863
NCL1810	F3A25YR1DA Y	18.13	18.36	0.0001	67.22	61.84	40931
NCL1830	F3A25YR1DA Y	18.39	18.20	0.0001	317.31	317.01	6250
NCL1850	F3A25YR1DA Y	18.50	18.35	-0.0003	69.06	79.05	910
NCL1870	F3A25YR1DA Y	19.01	19.12	0.0002	68.21	69.06	1001
NCL1890	F3A25YR1DA Y	19.15	19.32	0.0002	69.39	68.21	987
NCL1910	F3A25YR1DA Y	19.15	19.32	0.0001	4.48	1.28	538
NCL1930	F3A25YR1DA Y	19.91	19.93	0.0000	5.62	5.61	1635
NCL1950	F3A25YR1DA Y	19.15	19.32	0.0000	0.91	0.18	505
NCL1970	F3A25YR1DA Y	21.67	21.67	0.0000	3.10	3.09	3303
NCL1990	F3A25YR1DA Y	19.58	19.96	0.0001	72.35	69.39	889
NCL2010	F3A25YR1DA Y	19.74	20.06	0.0001	45.68	44.06	1104
NCL2030	F3A25YR1DA Y	19.76	19.88	0.0001	20.64	17.32	37738
NCL2050	F3A25YR1DA Y	19.76	20.11	0.0001	42.21	40.29	1411
NCL2070	F3A25YR1DA Y	19.76	19.89	-0.0001	5.03	5.84	1202
NCL2090	F3A25YR1DA Y	19.87	20.44	-0.0001	44.42	42.21	1414
NCL2110	F3A25YR1DA Y	20.03	20.47	0.0004	34.61	32.98	9977
NCL2130	F3A25YR1DA Y	19.87	20.49	0.0001	111.30	119.94	85834

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL2150	F3A25YR1DA Y	20.75	21.40	-0.0004	114.83	105.91	211219
NCL2170	F3A25YR1DA Y	19.85	20.47	0.0001	176.06	175.97	64286
NCL2230	F3A25YR1DA Y	19.13	19.35	0.0004	238.42	239.09	17173
NCL2250	F3A25YR1DA Y	19.55	19.95	0.0002	214.41	210.52	4444
NCL2270	F3A25YR1DA Y	20.05	20.72	0.0001	245.68	244.76	39327
NCL2290	F3A25YR1DA Y	19.88	20.47	0.0001	14.25	13.41	9070
NCL2310	F3A25YR1DA Y	20.45	21.03	0.0001	106.11	105.10	1779
NCL2330	F3A25YR1DA Y	20.74	21.25	0.0001	167.00	155.93	116921
NCL2350	F3A25YR1DA Y	20.78	21.28	0.0001	96.55	95.19	10001
NCL2370	F3A25YR1DA Y	20.81	21.29	0.0001	92.45	91.07	2298
NCL2390	F3A25YR1DA Y	20.84	21.31	0.0001	165.58	139.30	177154
NCL2410	F3A25YR1DA Y	21.07	21.35	0.0000	30.39	29.95	1380
NCL2430	F3A25YR1DA Y	21.32	21.45	0.0000	28.96	28.82	1472
NCL2450	F3A25YR1DA Y	21.25	21.42	0.0000	5.63	5.46	493
NCL2470	F3A25YR1DA Y	20.93	21.32	0.0000	22.92	22.50	846
NCL2490	F3A25YR1DA Y	21.54	21.47	0.0000	26.13	25.72	1524
NCL2510	F3A25YR1DA Y	21.70	21.46	0.0000	149.52	149.64	105475
NCL2530	F3A25YR1DA Y	21.70	21.46	0.0000	66.37	67.99	50870
NCL2540	F3A25YR1DA Y	0.00	22.15	0.0000	95.20	94.02	50924
NCL2550	F3A25YR1DA Y	21.70	21.46	0.0000	77.18	77.62	18126
NCL2570	F3A25YR1DA Y	21.51	21.42	0.0001	16.10	16.25	1503
NCL2580	F3A25YR1DA Y	0.00	21.40	-0.0002	141.22	140.07	37059
NCL2590	F3A25YR1DA Y	21.17	21.40	0.0000	237.56	234.87	149346
NCL2610	F3A25YR1DA	21.14	21.40	0.0000	163.42	163.16	31715

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NCL2630	F3A25YR1DA Y	20.86	21.01	0.0000	99.33	94.15	52790
NCL2631	F3A25YR1DA Y	0.00	20.81	-0.0001	105.89	77.55	45973
NCL2650	F3A25YR1DA Y	21.17	21.55	0.0000	110.52	92.77	130832
NCL2670	F3A25YR1DA Y	21.93	22.19	-0.0003	117.31	136.92	62010
NCL2690	F3A25YR1DA Y	21.96	22.44	0.0000	71.69	81.43	57905
NCL2710	F3A25YR1DA Y	21.96	22.53	0.0000	61.52	57.32	76893
NCL2730	F3A25YR1DA Y	21.95	22.65	0.0000	39.95	39.43	16664
NCL2750	F3A25YR1DA Y	21.84	23.04	0.0000	123.18	122.26	39414
NCL2770	F3A25YR1DA Y	21.71	22.44	0.0000	33.19	33.21	1389
NCL2780	F3A25YR1DA Y	0.00	22.31	0.0000	29.65	27.78	29149
NCL2790	F3A25YR1DA Y	21.84	22.32	0.0000	177.54	170.68	133685
NCL2810	F3A25YR1DA Y	22.11	22.83	-0.0001	116.03	115.43	26279
NCL2830	F3A25YR1DA Y	23.09	23.04	-0.0001	23.03	21.88	8603
NCL2835	F3A25YR1DA Y	0.00	23.84	0.0000	7.90	7.96	1074
NCL2840	F3A25YR1DA Y	0.00	23.78	0.0000	113.66	113.39	26145
NCL2845	F3A25YR1DA Y	0.00	24.31	0.0000	62.92	62.73	16980
NCL2850	F3A25YR1DA Y	20.82	21.29	0.0000	21.08	21.64	1361
NCL2870	F3A25YR1DA Y	20.83	21.22	-0.0001	19.92	20.46	1246
NCL2890	F3A25YR1DA Y	20.83	21.16	0.0002	18.93	19.92	23376
NCL2910	F3A25YR1DA Y	20.83	21.16	-0.0001	90.44	89.64	44463
NCL2930	F3A25YR1DA Y	19.55	19.98	0.0004	171.66	172.84	9857
NCL2950	F3A25YR1DA Y	19.53	19.97	0.0002	135.02	135.46	17255
NCL2970	F3A25YR1DA Y	20.49	20.65	0.0002	68.46	67.01	19321

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL2990	F3A25YR1DA Y	19.33	19.93	0.0002	127.11	127.55	6487
NCL3010	F3A25YR1DA Y	19.35	19.93	0.0002	128.80	126.53	260089
NCL3030	F3A25YR1DA Y	19.58	19.98	0.0002	113.52	91.47	83935
NCL3050	F3A25YR1DA Y	19.94	20.15	0.0002	92.35	85.71	46029
NCL3070	F3A25YR1DA Y	20.14	20.26	0.0000	50.61	47.66	25809
NCL3090	F3A25YR1DA Y	19.59	19.98	0.0002	129.45	83.40	99815
NCL3110	F3A25YR1DA Y	19.59	19.99	0.0002	82.12	48.89	123975
NCL3130	F3A25YR1DA Y	19.59	19.99	0.0002	32.52	23.90	51797
NCL3150	F3A25YR1DA Y	19.54	19.97	0.0002	135.24	133.59	64032
NCL3170	F3A25YR1DA Y	19.71	20.34	0.0002	101.55	100.94	41310
NCL3190	F3A25YR1DA Y	20.31	20.58	-0.0002	113.56	104.38	138202
NCL3210	F3A25YR1DA Y	20.32	20.59	-0.0002	81.30	74.92	69384
NCL3230	F3A25YR1DA Y	20.32	20.60	-0.0001	65.26	63.62	26994
NCL3250	F3A25YR1DA Y	19.11	18.71	0.0004	200.25	200.16	84938
NCL3250A	F3A25YR1DA Y	0.00	19.34	0.0004	133.59	132.45	2677
NCL3270	F3A25YR1DA Y	19.11	19.44	0.0000	34.38	33.19	2221
NCL3280	F3A25YR1DA Y	0.00	19.68	0.0000	31.28	30.07	13803
NCL3290	F3A25YR1DA Y	20.16	20.38	0.0000	34.40	30.99	28282
NCL3300	F3A25YR1DA Y	0.00	19.77	0.0000	10.54	10.54	2210
NCL3310	F3A25YR1DA Y	20.19	20.37	0.0000	2.02	2.75	772
NCL3330	F3A25YR1DA Y	20.75	20.46	0.0000	5.94	5.58	437
NCL3350	F3A25YR1DA Y	20.51	20.71	0.0001	42.75	40.18	49457
NCL3360	F3A25YR1DA Y	0.00	20.71	0.0000	15.40	13.21	21616
NCL3365	F3A25YR1DA	0.00	20.32	0.0001	37.79	37.10	28608

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NCL3370	F3A25YR1DA Y	20.64	21.12	-0.0002	156.01	152.85	101701
NCL3390	F3A25YR1DA Y	20.83	21.16	0.0001	151.58	150.84	42849
NCL3410	F3A25YR1DA Y	20.83	21.16	0.0001	2.34	2.15	476
NCL3430	F3A25YR1DA Y	20.83	21.16	0.0000	6.27	1.28	4879
NCL3450	F3A25YR1DA Y	18.92	18.52	0.0002	287.42	264.18	166833
NCL3470	F3A25YR1DA Y	19.11	18.63	0.0001	304.34	262.11	179699
NCL3471	F3A25YR1DA Y	0.00	18.57	0.0002	132.89	131.03	5436
NCL3490	F3A25YR1DA Y	19.15	18.85	0.0001	153.60	148.03	36555
NCL3510	F3A25YR1DA Y	20.64	19.91	0.0001	128.88	128.08	29226
NCL3520	F3A25YR1DA Y	0.00	19.60	-0.0001	317.64	316.90	44736
NCL3530	F3A25YR1DA Y	20.66	20.82	0.0001	182.82	179.39	70564
NCL3550	F3A25YR1DA Y	20.66	20.82	0.0001	4.70	4.30	736
NCL3570	F3A25YR1DA Y	20.66	20.87	-0.0001	2.69	2.42	628
NCL3590	F3A25YR1DA Y	20.66	20.88	0.0000	3.68	1.27	6365
NCL3610	F3A25YR1DA Y	20.66	20.81	-0.0001	41.98	42.26	1320
NCL3630	F3A25YR1DA Y	20.64	20.81	-0.0001	289.44	284.37	123289
NCL3635	F3A25YR1DA Y	0.00	20.81	0.0001	22.71	24.66	1915
NCL3640	F3A25YR1DA Y	0.00	20.81	0.0001	36.80	33.42	50953
NCL3650	F3A25YR1DA Y	18.92	18.60	0.0001	9.00	6.49	503
NCL3670	F3A25YR1DA Y	18.92	18.60	0.0000	13.29	13.06	13263
NCL3690	F3A25YR1DA Y	18.92	18.50	0.0002	146.41	138.22	2631
NCL3730	F3A25YR1DA Y	18.92	18.47	0.0000	464.36	401.20	129016
NCL3740	F3A25YR1DA Y	0.00	18.52	0.0001	250.47	248.26	31082

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL3750	F3A25YR1DA Y	18.93	19.37	-0.0012	221.64	123.94	261933
NCL3770	F3A25YR1DA Y	18.93	19.37	-0.0007	80.49	41.54	104217
NCL4000	F3A25YR1DA Y	0.00	29.82	0.0000	58.55	58.51	7820
NCL4010	F3A25YR1DA Y	0.00	29.55	0.0000	50.33	50.07	14519
NCypEast	F3A25YR1DA Y	32.00	29.00	0.0000	12.85	0.00	0
NCypWest	F3A25YR1DA Y	32.00	29.93	0.0000	0.00	0.00	0
NOC0010	F3A25YR1DA Y	2.00	2.00	0.0000	509.80	72.13	0
NOC0030	F3A25YR1DA Y	1.14	2.37	0.0239	509.90	509.80	819
NOC0050	F3A25YR1DA Y	1.20	2.59	0.0179	451.06	451.21	530
NOC0070	F3A25YR1DA Y	1.45	3.42	-0.0215	438.41	438.20	2480
NOC0090	F3A25YR1DA Y	2.91	3.60	-0.0030	124.89	124.98	446
NOC0110	F3A25YR1DA Y	1.65	3.50	0.0252	278.25	278.40	455
NOC0130	F3A25YR1DA Y	3.06	4.26	0.0079	278.18	278.25	528
NOC0150	F3A25YR1DA Y	3.08	4.28	0.0000	3.63	3.34	500
NOC0170	F3A25YR1DA Y	4.56	4.86	0.0000	18.10	18.50	1605
NOC0190	F3A25YR1DA Y	5.09	5.49	-0.0009	275.86	275.92	1077
NOC0210	F3A25YR1DA Y	5.68	5.99	0.0002	35.91	35.18	5085
NOC0230	F3A25YR1DA Y	5.12	5.55	0.0003	9.78	9.43	742
NOC0250	F3A25YR1DA Y	5.30	5.94	0.0000	10.30	9.78	984
NOC0270	F3A25YR1DA Y	5.57	6.57	0.0000	6.56	4.88	3685
NOC0290	F3A25YR1DA Y	5.11	5.65	-0.0002	340.57	340.65	1836
NOC0310	F3A25YR1DA Y	5.27	5.93	0.0003	72.34	71.14	2299
NOC0330	F3A25YR1DA Y	5.85	6.27	0.0001	314.26	312.94	115404
NOC0350	F3A25YR1DA	5.89	6.36	-0.0001	265.89	261.24	29601

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NOC0370	F3A25YR1DA Y	6.47	6.98	0.0001	194.07	193.11	40262
NOC0390	F3A25YR1DA Y	6.60	7.24	-0.0001	71.27	63.52	39067
NOC0410	F3A25YR1DA Y	6.95	7.25	0.0001	56.19	43.18	46539
NOC0430	F3A25YR1DA Y	7.01	7.24	0.0001	40.94	36.67	21415
NOC0450	F3A25YR1DA Y	7.62	7.54	0.0000	31.38	30.61	15491
NOC0470	F3A25YR1DA Y	8.12	8.07	-0.0001	21.24	20.03	21951
NOC0490	F3A25YR1DA Y	7.67	7.55	0.0000	5.10	4.96	1051
NRU0010	F3A25YR1DA Y	2.00	2.00	0.0000	657.42	0.00	0
NRU0030	F3A25YR1DA Y	2.84	3.60	-0.0004	368.42	376.01	2468
NRU0050	F3A25YR1DA Y	4.36	5.09	0.0022	363.66	368.42	2036
NRU0070	F3A25YR1DA Y	5.61	6.70	0.0007	369.76	363.66	24684
NRU0090	F3A25YR1DA Y	5.66	6.70	-0.0001	100.47	77.03	28325
NRU0110	F3A25YR1DA Y	6.23	6.88	-0.0001	286.20	275.64	21886
NRU0130	F3A25YR1DA Y	7.66	8.28	0.0003	249.78	249.55	2616
NRU0150	F3A25YR1DA Y	7.71	8.33	-0.0008	234.82	234.63	1506
NRU0160	F3A25YR1DA Y	0.00	14.17	0.0001	173.97	173.96	4959
NRU0165	F3A25YR1DA Y	0.00	14.46	0.0000	5.74	5.36	474
NRU0170	F3A25YR1DA Y	14.45	16.38	-0.0001	187.64	172.43	54315
NRU0172	F3A25YR1DA Y	0.00	16.51	0.0001	9.69	10.73	831
NRU0174	F3A25YR1DA Y	0.00	16.78	-0.0001	12.74	9.69	10637
NRU0176	F3A25YR1DA Y	0.00	16.29	0.0000	7.68	7.71	761
NRU0178	F3A25YR1DA Y	0.00	16.68	0.0000	7.64	7.68	957
NRU0180	F3A25YR1DA Y	0.00	16.80	-0.0001	143.04	122.27	133867

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0190	F3A25YR1DA Y	14.45	16.37	-0.0001	18.64	17.21	4498
NRU0210	F3A25YR1DA Y	14.45	16.34	-0.0001	19.09	15.76	6672
NRU0230	F3A25YR1DA Y	13.39	15.18	-0.0001	29.45	28.64	22384
NRU0250	F3A25YR1DA Y	14.62	16.38	-0.0002	165.54	158.75	26151
NRU0270	F3A25YR1DA Y	15.05	16.40	0.0002	135.84	135.40	2603
NRU0290	F3A25YR1DA Y	16.30	18.66	-0.0003	60.38	43.87	70427
NRU0310	F3A25YR1DA Y	16.13	16.98	0.0001	88.33	88.21	2502
NRU0330	F3A25YR1DA Y	18.25	18.00	0.0001	25.45	24.52	1352
NRU0335	F3A25YR1DA Y	0.00	19.34	0.0001	10.08	7.38	15908
NRU0340	F3A25YR1DA Y	0.00	18.71	0.0001	64.04	62.76	35736
NRU0343	F3A25YR1DA Y	0.00	19.42	0.0001	12.51	10.61	918
NRU0345	F3A25YR1DA Y	0.00	19.66	-0.0001	56.06	45.37	75178
NRU0350	F3A25YR1DA Y	19.50	18.91	0.0001	14.06	13.56	3943
NRU0370	F3A25YR1DA Y	19.51	18.91	0.0001	13.03	10.80	8915
NRU0380	F3A25YR1DA Y	23.33	18.83	0.0001	7.03	7.97	470
NRU0390	F3A25YR1DA Y	27.00	18.81	-0.0002	30.07	19.52	22226
NRU0410	F3A25YR1DA Y	19.56	18.95	0.0001	10.05	7.45	1096
NRU0425	F3A25YR1DA Y	15.53	16.37	0.0001	7.69	5.11	4982
NRU0430	F3A25YR1DA Y	19.61	18.99	0.0001	7.45	4.98	1072
NRU0450	F3A25YR1DA Y	19.66	19.03	0.0001	4.98	2.68	1043
NRU0470	F3A25YR1DA Y	19.72	19.21	0.0001	2.75	2.48	785
NRU0490	F3A25YR1DA Y	20.36	19.29	-0.0001	3.40	2.73	727
NRU0495	F3A25YR1DA Y	0.00	14.59	0.0005	751.42	720.26	2716
NRU0500	F3A25YR1DA	0.00	14.93	-0.0013	727.68	750.45	5646

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NRU0510	F3A25YR1DA Y	19.67	20.10	-0.0003	30.74	20.25	59193
NRU0530	F3A25YR1DA Y	16.95	17.66	0.0001	55.87	57.19	2251
NRU0550	F3A25YR1DA Y	17.92	18.39	-0.0001	112.16	105.00	79016
NRU0570	F3A25YR1DA Y	18.16	18.72	0.0001	72.78	72.72	2504
NRU0590	F3A25YR1DA Y	18.51	19.19	0.0001	46.71	47.12	16457
NRU0610	F3A25YR1DA Y	18.78	19.46	0.0001	45.32	45.74	46541
NRU0612	F3A25YR1DA Y	0.00	19.45	0.0001	36.54	37.00	22116
NRU0615	F3A25YR1DA Y	0.00	19.79	0.0001	11.42	7.17	2112
NRU0616	F3A25YR1DA Y	0.00	20.20	-0.0001	7.05	5.52	14434
NRU0618	F3A25YR1DA Y	0.00	20.33	0.0001	15.46	12.32	11259
NRU0620	F3A25YR1DA Y	0.00	19.93	0.0000	23.86	21.16	24806
NRU0630	F3A25YR1DA Y	18.79	19.32	0.0001	41.81	42.42	14493
NRU0650	F3A25YR1DA Y	18.79	19.18	0.0001	66.18	62.22	23565
NRU0670	F3A25YR1DA Y	18.78	19.02	0.0001	60.58	60.62	1429
NRU0690	F3A25YR1DA Y	18.84	18.77	0.0001	75.26	75.06	16007
NRU0710	F3A25YR1DA Y	18.86	18.60	0.0001	132.78	131.05	26292
NRU0730	F3A25YR1DA Y	18.85	18.71	0.0001	42.10	39.39	30801
NRU0740	F3A25YR1DA Y	0.00	17.91	0.0001	139.47	138.70	18412
NRU0745	F3A25YR1DA Y	0.00	17.85	0.0001	145.04	142.44	29710
NRU0747	F3A25YR1DA Y	18.87	17.85	-0.0001	113.05	111.29	1657
NRU0750	F3A25YR1DA Y	18.87	17.85	0.0001	182.54	142.34	135900
NRU0770	F3A25YR1DA Y	18.88	17.85	0.0001	36.13	34.66	1020
NRU0785	F3A25YR1DA Y	0.00	17.85	0.0001	83.23	74.77	28138

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0790	F3A25YR1DA Y	18.88	17.85	-0.0003	553.21	553.13	65014
NRU0810	F3A25YR1DA Y	18.88	17.85	0.0001	7.01	4.28	11460
NRU0820	F3A25YR1DA Y	0.00	17.81	0.0000	2.71	2.56	442
NRU0830	F3A25YR1DA Y	18.99	18.23	-0.0005	545.50	546.37	19246
NRU0840	F3A25YR1DA Y	9999.00	18.42	-0.0002	492.48	493.28	2258
NRU0850	F3A25YR1DA Y	19.11	18.47	0.0002	183.45	181.55	2553
NRU0870	F3A25YR1DA Y	19.32	18.54	-0.0003	38.05	38.89	560
NRU0890	F3A25YR1DA Y	19.35	18.54	0.0000	62.84	60.02	61183
NRU0910	F3A25YR1DA Y	19.35	18.56	0.0000	2.44	2.33	581
NRU0930	F3A25YR1DA Y	19.35	19.67	0.0000	2.59	2.44	1742
NRU0950	F3A25YR1DA Y	19.11	18.54	-0.0002	177.27	165.71	38059
NRU0955	F3A25YR1DA Y	0.00	18.54	-0.0001	216.26	205.74	40107
NRU0960	F3A25YR1DA Y	0.00	18.63	0.0002	239.41	233.27	32450
NRU0965	F3A25YR1DA Y	0.00	18.64	-0.0002	243.87	236.32	45733
NRU0970	F3A25YR1DA Y	19.34	18.55	0.0001	22.20	19.39	43919
NRU0980	F3A25YR1DA Y	0.00	18.57	0.0003	16.90	17.71	1097
NRU0990	F3A25YR1DA Y	19.39	18.58	0.0003	40.56	40.27	440
NRU1010	F3A25YR1DA Y	19.70	18.64	0.0001	41.00	40.56	6763
NRU1015	F3A25YR1DA Y	0.00	19.78	0.0001	21.66	15.46	24624
NRU1020	F3A25YR1DA Y	0.00	21.14	-0.0060	22.47	106.94	866
NRU1025	F3A25YR1DA Y	0.00	20.62	0.0001	12.35	11.79	724
NRU1030	F3A25YR1DA Y	19.70	18.69	0.0001	95.02	81.31	86848
NRU1035	F3A25YR1DA Y	0.00	18.28	0.0000	1.44	1.33	436
NRU1036	F3A25YR1DA	0.00	18.69	-0.0001	17.30	18.03	437

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NRU1037	F3A25YR1DA Y	0.00	18.64	0.0001	3.39	2.87	685
NRU1040	F3A25YR1DA Y	0.00	18.69	0.0001	49.08	45.08	43561
NRU1045	F3A25YR1DA Y	0.00	21.23	0.0001	18.74	16.12	26862
NRU1046	F3A25YR1DA Y	0.00	21.19	0.0060	16.12	14.39	933
NRU1050	F3A25YR1DA Y	19.70	18.69	0.0002	93.62	83.50	48225
NRU1070	F3A25YR1DA Y	19.83	19.33	0.0001	38.02	41.39	21589
NRU1090	F3A25YR1DA Y	18.86	17.84	0.0001	113.79	111.81	1336
NRU1110	F3A25YR1DA Y	18.86	17.83	0.0001	148.97	147.31	39457
NRU1130	F3A25YR1DA Y	18.86	17.83	-0.0004	35.32	32.96	776
NRU1150	F3A25YR1DA Y	18.86	17.83	0.0006	45.93	44.09	9181
NRU1170	F3A25YR1DA Y	18.86	18.95	0.0001	38.31	33.64	25558
NRU1182	F3A25YR1DA Y	0.00	17.70	0.0000	17.58	17.67	1155
NRU1184	F3A25YR1DA Y	0.00	17.97	0.0000	13.68	13.60	872
NRU1185	F3A25YR1DA Y	0.00	19.16	-0.0001	15.83	9.06	33995
NRU1186	F3A25YR1DA Y	0.00	17.99	0.0000	5.74	5.02	791
NRU1188	F3A25YR1DA Y	0.00	18.14	0.0000	7.75	1.62	27926
NRU1190	F3A25YR1DA Y	18.86	18.30	0.0000	9.26	7.49	576
NRU1210	F3A25YR1DA Y	18.86	18.06	0.0000	7.49	6.91	721
NRU1220	F3A25YR1DA Y	0.00	17.70	0.0001	32.68	33.06	2046
NRU1225	F3A25YR1DA Y	0.00	22.08	0.0000	5.56	5.36	436
NRU1230	F3A25YR1DA Y	18.88	17.34	-0.0002	646.37	646.52	4559
NRU1232	F3A25YR1DA Y	0.00	16.98	0.0007	657.01	657.16	3681
NRU1234	F3A25YR1DA Y	0.00	16.99	0.0000	1.95	1.60	450

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1240	F3A25YR1DA Y	0.00	17.41	-0.0001	6.24	7.90	452
NRU1250	F3A25YR1DA Y	4.07	4.67	-0.0003	283.13	283.11	2104
NRU1270	F3A25YR1DA Y	4.78	5.35	0.0002	278.53	278.54	1667
NRU1290	F3A25YR1DA Y	5.41	6.03	-0.0001	263.56	263.72	3103
NRU1310	F3A25YR1DA Y	6.42	7.06	0.0001	263.51	263.56	5052
NRU1330	F3A25YR1DA Y	8.29	9.12	0.0001	332.76	332.72	3357
NRU1350	F3A25YR1DA Y	9.32	10.39	0.0001	326.93	326.81	2409
NRU1370	F3A25YR1DA Y	11.03	12.62	0.0001	322.86	320.02	6356
NRU1390	F3A25YR1DA Y	11.84	13.05	0.0001	74.95	64.14	27804
NRU1410	F3A25YR1DA Y	12.56	14.03	0.0002	261.89	262.07	7303
NRU1430	F3A25YR1DA Y	15.53	16.37	-0.0001	69.08	33.55	83012
NRU1450	F3A25YR1DA Y	15.94	16.25	0.0001	44.99	43.75	9357
NRU1470	F3A25YR1DA Y	15.97	16.30	0.0001	7.07	7.04	981
NRU1490	F3A25YR1DA Y	16.09	16.51	0.0001	10.96	8.48	16744
NRU1510	F3A25YR1DA Y	15.12	16.78	0.0001	215.19	213.83	109096
NRU1530	F3A25YR1DA Y	15.71	16.84	-0.0001	92.54	98.76	22633
NRU1550	F3A25YR1DA Y	15.40	16.78	0.0000	81.57	83.65	10654
NRU1570	F3A25YR1DA Y	16.20	17.46	0.0000	54.24	52.25	13903
NRU1590	F3A25YR1DA Y	16.40	17.46	0.0000	9.57	8.13	7982
NRU1610	F3A25YR1DA Y	16.56	17.85	0.0001	42.62	39.60	29944
NRU1630	F3A25YR1DA Y	16.69	17.87	0.0001	35.95	36.03	1538
NRU1650	F3A25YR1DA Y	16.84	17.89	0.0001	35.87	35.95	33990
NRU1670	F3A25YR1DA Y	16.89	17.90	0.0001	97.70	34.38	184555
NRU1690	F3A25YR1DA	16.89	17.79	0.0001	47.35	45.98	8643

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NRU1710	F3A25YR1DA Y	16.60	17.71	-0.0001	34.99	34.74	1394
NRU1730	F3A25YR1DA Y	16.58	17.71	0.0000	98.71	25.51	169456
NRU1750	F3A25YR1DA Y	16.58	17.71	0.0002	17.46	16.89	720
NRU1770	F3A25YR1DA Y	16.58	17.71	0.0000	33.11	33.04	7944
NRU1790	F3A25YR1DA Y	17.21	18.02	0.0000	11.38	8.43	15408
NRU1810	F3A25YR1DA Y	16.58	17.71	0.0000	12.28	7.96	24131
NRU1830	F3A25YR1DA Y	17.12	17.95	0.0000	26.96	21.71	17854
NRU1850	F3A25YR1DA Y	17.07	18.01	0.0001	24.94	24.80	1049
NRU1870	F3A25YR1DA Y	17.20	18.16	0.0001	25.09	24.94	908
NRU1890	F3A25YR1DA Y	17.38	18.35	0.0001	55.64	25.09	85609
NRU1910	F3A25YR1DA Y	17.71	18.36	0.0001	24.25	19.59	25111
NRU1930	F3A25YR1DA Y	15.71	16.84	-0.0001	56.38	84.60	96407
NRU1950	F3A25YR1DA Y	16.43	17.25	0.0001	54.51	54.76	1646
NRU1970	F3A25YR1DA Y	16.86	17.51	0.0001	54.28	54.51	1037
NRU1990	F3A25YR1DA Y	17.09	17.65	-0.0001	54.04	54.28	1719
NRU2010	F3A25YR1DA Y	18.02	18.44	0.0001	12.96	11.08	3687
NRU2030	F3A25YR1DA Y	18.39	18.59	-0.0001	13.25	10.91	32888
NRU2050	F3A25YR1DA Y	18.40	18.60	0.0001	4.98	4.82	453
NRU2070	F3A25YR1DA Y	18.41	18.61	-0.0001	5.54	4.98	19218
NRU2090	F3A25YR1DA Y	17.16	17.68	-0.0001	40.23	40.46	3773
NRU2110	F3A25YR1DA Y	17.28	17.74	0.0001	37.78	38.01	4452
NRU2130	F3A25YR1DA Y	17.49	17.85	-0.0001	37.59	37.31	1933
NRU2150	F3A25YR1DA Y	17.69	18.15	0.0001	9.09	6.35	19919

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU2170	F3A25YR1DA Y	17.07	17.76	0.0001	3.60	3.68	769
NRU2190	F3A25YR1DA Y	17.08	17.77	0.0000	13.04	3.60	30661
NRU2210	F3A25YR1DA Y	17.33	17.64	0.0001	7.49	7.45	540
NRU2230	F3A25YR1DA Y	17.33	17.65	0.0000	41.40	11.84	97880
NRU2250	F3A25YR1DA Y	17.31	17.58	0.0001	6.40	5.62	16277
NRU2270	F3A25YR1DA Y	17.61	17.92	0.0001	30.99	30.51	3314
NRU2290	F3A25YR1DA Y	17.67	17.94	-0.0001	22.56	22.78	1479
NRU2310	F3A25YR1DA Y	17.68	17.93	0.0001	17.81	19.28	9621
NRU2330	F3A25YR1DA Y	17.68	17.94	0.0002	32.99	8.20	4051
NRU2350	F3A25YR1DA Y	17.68	17.94	-0.0002	5.33	30.85	654
NRU2370	F3A25YR1DA Y	17.37	17.58	0.0001	5.17	5.33	528
NRU2390	F3A25YR1DA Y	17.36	17.57	0.0000	11.92	5.17	34278
NRU2410	F3A25YR1DA Y	17.72	17.87	0.0001	14.87	14.81	9143
NRU2430	F3A25YR1DA Y	17.83	17.88	0.0001	11.79	11.86	6829
NRU2450	F3A25YR1DA Y	18.06	17.96	0.0001	5.04	3.59	7464
NRU2470	F3A25YR1DA Y	15.72	16.85	0.0001	7.50	7.98	1460
NRU2490	F3A25YR1DA Y	15.75	16.86	0.0001	9.11	8.40	1431
NRU2510	F3A25YR1DA Y	15.75	16.87	0.0001	8.40	6.44	956
NRU2530	F3A25YR1DA Y	15.76	16.89	0.0001	5.62	5.83	582
NRU2550	F3A25YR1DA Y	16.53	17.25	0.0001	147.44	143.65	45903
NRU2570	F3A25YR1DA Y	17.71	18.31	0.0001	145.23	137.19	76143
NRU2590	F3A25YR1DA Y	18.30	18.52	0.0001	36.42	31.57	9096
NRU2610	F3A25YR1DA Y	18.62	19.03	0.0001	71.38	70.45	26542
NRU2630	F3A25YR1DA	19.41	19.48	-0.0002	61.50	59.88	52737

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NRU2650	F3A25YR1DA Y	19.54	19.89	-0.0002	44.26	43.19	61461
NRU2670	F3A25YR1DA Y	16.64	17.00	0.0000	32.70	31.28	12057
NRU2690	F3A25YR1DA Y	17.09	17.70	0.0000	208.17	100.83	395109
NSH02	F3A25YR1DA Y	0.00	21.12	-0.0003	15.82	62.18	11847
NSH03	F3A25YR1DA Y	0.00	18.54	-0.0227	3.26	12.94	767
NSH04	F3A25YR1DA Y	0.00	16.83	0.0000	49.39	45.72	4610
NSH05	F3A25YR1DA Y	0.00	9.34	-0.0001	752.08	752.82	5036
NSH07	F3A25YR1DA Y	0.00	8.37	0.0001	47.17	47.10	10193
NSH08	F3A25YR1DA Y	0.00	8.60	0.0000	21.98	20.57	1846
NSH09	F3A25YR1DA Y	0.00	10.60	0.0000	54.88	53.86	11625
NSH10	F3A25YR1DA Y	0.00	19.10	0.0000	24.20	23.63	31203
NSH11	F3A25YR1DA Y	0.00	21.11	0.0000	8.99	8.92	6662
NSH12	F3A25YR1DA Y	0.00	9.17	0.0000	756.14	757.00	4115
NSH13	F3A25YR1DA Y	0.00	9.02	0.0012	769.23	770.24	4604
NSH14	F3A25YR1DA Y	0.00	8.95	0.0013	776.84	776.51	1911
NSH15	F3A25YR1DA Y	0.00	18.72	0.0000	6.41	6.36	6222
NSH16	F3A25YR1DA Y	0.00	9.55	0.0003	44.19	48.55	664
NSH17	F3A25YR1DA Y	0.00	8.89	-0.0012	777.84	778.68	2161
NSH18	F3A25YR1DA Y	0.00	8.85	-0.0007	822.32	849.05	3005
NSH19	F3A25YR1DA Y	0.00	8.00	-0.0002	853.35	825.78	5396
NSH20	F3A25YR1DA Y	0.00	20.21	0.0000	4.09	3.91	12021
NSH21	F3A25YR1DA Y	0.00	11.14	-0.0001	14.98	14.81	9751
NSH22	F3A25YR1DA Y	0.00	14.17	0.0001	41.48	34.86	6476

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSH23	F3A25YR1DA Y	0.00	18.31	0.0000	14.18	13.96	3825
NSH24	F3A25YR1DA Y	0.00	14.17	-0.0001	22.74	21.68	7001
NSH25	F3A25YR1DA Y	0.00	13.99	-0.0001	19.61	18.56	9798
NSH26	F3A25YR1DA Y	0.00	13.74	-0.0001	73.79	60.83	47264
NSH26A	F3A25YR1DA Y	0.00	12.72	0.0000	44.19	44.19	2056
NSH27	F3A25YR1DA Y	0.00	12.78	0.0000	10.60	10.98	28912
NSH27A	F3A25YR1DA Y	0.00	12.66	0.0000	17.79	16.37	921
NSH27AA	F3A25YR1DA Y	0.00	12.69	0.0001	10.98	11.44	561
NSH27B	F3A25YR1DA Y	0.00	11.37	-0.0001	16.37	18.32	1033
NSH27C	F3A25YR1DA Y	0.00	9.17	-0.0001	18.32	16.45	1036
NSH28	F3A25YR1DA Y	0.00	9.72	0.0000	22.34	20.01	9220
NSH29	F3A25YR1DA Y	0.00	8.14	-0.0001	12.81	12.10	648
NSH31	F3A25YR1DA Y	0.00	9.69	0.0001	7.85	5.52	480
NSH33	F3A25YR1DA Y	0.00	16.60	0.0000	2.78	2.71	4563
NSH34	F3A25YR1DA Y	0.00	9.25	0.0001	37.90	37.86	3840
NSH35	F3A25YR1DA Y	0.00	7.95	0.0001	37.46	37.43	3490
NSH36	F3A25YR1DA Y	0.00	7.92	-0.0001	22.68	21.70	805
NSH37	F3A25YR1DA Y	0.00	8.98	0.0012	775.05	776.11	2109
NSH41	F3A25YR1DA Y	0.00	14.55	0.0000	5.09	5.08	466
NSH42	F3A25YR1DA Y	0.00	4.90	0.0002	65.76	65.73	447
NSH43	F3A25YR1DA Y	0.00	5.38	-0.0006	46.11	46.20	507
NSH44	F3A25YR1DA Y	0.00	9.41	0.0001	27.00	27.00	670
NSH45	F3A25YR1DA Y	0.00	16.38	0.0000	35.39	34.45	21884
NSH48	F3A25YR1DA	0.00	18.31	0.0000	17.34	17.18	4269

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NSH49	F3A25YR1DA Y	0.00	18.42	-0.0001	16.94	16.74	473
NSH50	F3A25YR1DA Y	0.00	15.89	-0.0011	686.79	686.93	6021
NSH51	F3A25YR1DA Y	0.00	17.35	0.0000	36.63	36.86	1330
NSH52	F3A25YR1DA Y	0.00	16.14	-0.0012	683.09	683.24	4428
NSH53	F3A25YR1DA Y	0.00	16.68	0.0003	48.16	47.38	1030
NSH53B	F3A25YR1DA Y	0.00	16.36	-0.0004	28.62	27.54	448
NSH54	F3A25YR1DA Y	0.00	16.80	0.0000	34.98	33.42	1255
NSH55	F3A25YR1DA Y	0.00	16.74	-0.0005	658.60	658.71	5311
NSH55B	F3A25YR1DA Y	0.00	16.76	0.0001	10.91	11.72	447
NSH56	F3A25YR1DA Y	0.00	16.99	0.0000	5.88	5.82	465
NSH57	F3A25YR1DA Y	0.00	16.99	0.0000	5.93	5.88	455
NSH60	F3A25YR1DA Y	0.00	19.16	-0.0001	16.91	19.77	436
NSH61	F3A25YR1DA Y	0.00	15.92	0.0000	16.87	16.83	451
NSH65	F3A25YR1DA Y	0.00	20.61	0.0000	3.82	3.63	467
NSH71	F3A25YR1DA Y	9999.00	15.85	0.0000	15.35	15.24	2441
NSH75	F3A25YR1DA Y	0.00	6.49	-0.0007	843.03	843.05	4066
NSH76	F3A25YR1DA Y	0.00	5.37	-0.0052	802.37	802.33	2030
NSH80	F3A25YR1DA Y	0.00	15.41	0.0011	702.02	702.24	6657
NSH81	F3A25YR1DA Y	0.00	20.77	0.0000	0.45	0.01	2503
NSH82	F3A25YR1DA Y	0.00	20.86	0.0000	2.37	1.06	6187
NSH83	F3A25YR1DA Y	0.00	15.49	-0.0001	16.37	16.15	1486
NSH85	F3A25YR1DA Y	0.00	15.25	-0.0020	704.88	723.18	4681
NSHSelmonD S	F3A25YR1DA Y	9999.00	11.17	0.0002	750.49	750.53	6356

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSHSelmonUS	F3A25YR1DAY	9999.00	14.13	0.0003	720.26	720.18	3189
NSR0000	F3A25YR1DAY	2.00	2.00	0.0000	290.47	8.42	0
NSR0005	F3A25YR1DAY	2.00	2.00	0.0000	7.82	0.00	0
NSR0010	F3A25YR1DAY	2.00	2.00	0.0000	442.81	0.00	0
NSR0030	F3A25YR1DAY	2.92	3.43	0.0000	459.80	442.81	219507
NSR0032	F3A25YR1DAY	4.88	5.30	0.0000	14.54	10.44	23479
NSR0034	F3A25YR1DAY	3.63	4.03	0.0000	80.25	70.72	59453
NSR0050	F3A25YR1DAY	3.44	3.98	0.0000	397.93	399.96	101234
NSR0070	F3A25YR1DAY	3.45	3.96	0.0001	30.13	21.14	46939
NSR0090	F3A25YR1DAY	3.68	4.04	-0.0001	40.66	34.76	26209
NSR0100	F3A25YR1DAY	2.25	2.98	0.0000	7.90	7.82	524
NSR0102	F3A25YR1DAY	4.24	4.45	0.0000	4.39	4.01	3250
NSR0105	F3A25YR1DAY	1.91	2.86	-0.0290	290.50	290.47	484
NSR0110	F3A25YR1DAY	3.93	4.25	-0.0001	17.98	17.16	14929
NSR0112	F3A25YR1DAY	2.31	3.24	-0.0447	288.42	288.42	469
NSR0115	F3A25YR1DAY	4.25	4.40	0.0000	3.76	3.43	9071
NSR0120	F3A25YR1DAY	2.62	3.54	0.0206	285.44	285.49	479
NSR0130	F3A25YR1DAY	4.16	4.74	0.0000	12.11	8.91	19746
NSR0135	F3A25YR1DAY	4.22	4.90	0.0000	4.58	4.09	3163
NSR0140	F3A25YR1DAY	3.28	4.16	0.0101	282.61	282.62	477
NSR0150	F3A25YR1DAY	3.64	4.31	0.0003	383.53	384.66	29291
NSR0160	F3A25YR1DAY	3.56	4.43	0.0060	280.59	280.94	14193
NSR0165	F3A25YR1DAY	4.03	5.31	0.0000	14.39	12.85	26317
NSR0170	F3A25YR1DAY	3.70	5.04	0.0000	13.57	11.52	15197

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NSR0180	F3A25YR1DA Y	3.83	5.00	0.0000	19.24	18.74	22221
NSR0190	F3A25YR1DA Y	4.04	4.61	-0.0001	50.03	50.19	3361
NSR0210	F3A25YR1DA Y	4.26	5.18	-0.0001	50.38	49.70	15757
NSR0230	F3A25YR1DA Y	4.26	5.19	0.0000	55.25	49.84	86811
NSR0250	F3A25YR1DA Y	3.93	4.54	-0.0059	346.20	345.80	12764
NSR0270	F3A25YR1DA Y	3.98	4.62	0.0000	121.72	118.64	38357
NSR0280	F3A25YR1DA Y	5.41	5.93	-0.0005	263.49	262.79	35892
NSR0281	F3A25YR1DA Y	5.97	6.61	0.0004	256.35	255.91	18901
NSR0290	F3A25YR1DA Y	6.70	7.01	-0.0009	126.74	125.56	39034
NSR0310	F3A25YR1DA Y	9.28	9.44	-0.0001	111.23	109.57	65330
NSR0330	F3A25YR1DA Y	9.65	9.99	0.0001	8.58	8.62	470
NSR0350	F3A25YR1DA Y	10.32	11.04	0.0001	8.56	8.58	446
NSR0370	F3A25YR1DA Y	10.35	11.07	0.0000	13.12	8.56	11955
NSR0390	F3A25YR1DA Y	11.96	12.29	0.0001	71.08	68.94	74756
NSR0410	F3A25YR1DA Y	12.27	12.82	-0.0001	10.23	11.02	510
NSR0430	F3A25YR1DA Y	12.28	12.83	0.0000	10.82	10.23	23504
NSR0450	F3A25YR1DA Y	13.04	14.07	-0.0001	47.12	46.36	35223
NSR0470	F3A25YR1DA Y	13.10	14.47	-0.0002	34.19	33.79	14534
NSR0490	F3A25YR1DA Y	4.41	4.85	-0.0082	180.18	177.96	30411
NSR0510	F3A25YR1DA Y	4.48	5.06	-0.0015	95.94	96.26	17278
NSR0530	F3A25YR1DA Y	4.55	5.17	-0.0005	12.47	8.98	34592
NSR0540	F3A25YR1DA Y	4.55	5.31	-0.0004	99.87	91.20	95560
NSR0550	F3A25YR1DA Y	4.56	5.32	0.0015	327.41	327.99	25024

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0560	F3A25YR1DA Y	4.66	5.36	-0.0002	122.60	126.07	83220
NSR0570	F3A25YR1DA Y	5.28	5.60	0.0003	125.75	126.26	60808
NSR0580	F3A25YR1DA Y	6.13	6.55	-0.0001	24.99	17.78	103401
NSR0590	F3A25YR1DA Y	6.15	6.56	-0.0001	97.36	94.04	59167
NSR0610	F3A25YR1DA Y	6.26	6.60	-0.0002	77.72	68.90	70657
NSR0630	F3A25YR1DA Y	6.26	6.60	-0.0001	17.02	17.09	475
NSR0650	F3A25YR1DA Y	6.25	6.58	-0.0001	78.44	60.09	186663
NSR0660	F3A25YR1DA Y	6.13	6.54	-0.0001	57.60	33.54	72015
NSR0670	F3A25YR1DA Y	6.24	6.58	-0.0001	6.86	7.52	520
NSR0680	F3A25YR1DA Y	6.14	6.52	-0.0001	37.44	33.66	148036
NSR0690	F3A25YR1DA Y	6.24	6.57	-0.0001	6.48	6.86	599
NSR0710	F3A25YR1DA Y	6.23	6.57	0.0000	6.40	6.48	861
NSR0730	F3A25YR1DA Y	6.29	6.63	-0.0001	143.59	113.95	175282
NSR0770	F3A25YR1DA Y	6.81	7.49	0.0001	119.71	115.99	27045
NSR0780	F3A25YR1DA Y	6.74	7.04	-0.0001	37.78	36.45	28923
NSR0790	F3A25YR1DA Y	8.35	10.52	0.0002	393.71	358.73	78192
NSR0791	F3A25YR1DA Y	7.13	8.52	0.0002	243.81	243.81	5596
NSR0809	F3A25YR1DA Y	12.76	11.67	-0.0004	75.19	93.53	2122
NSR0810	F3A25YR1DA Y	13.45	13.60	-0.0002	217.51	216.73	60336
NSR0830	F3A25YR1DA Y	15.10	15.38	-0.0002	240.82	236.45	142897
NSR0840	F3A25YR1DA Y	16.09	16.18	0.0001	36.48	36.96	41964
NSR0850	F3A25YR1DA Y	15.64	15.93	-0.0003	169.35	162.13	80811
NSR0860	F3A25YR1DA Y	16.41	16.45	0.0000	10.53	10.39	14298
NSR0869	F3A25YR1DA	16.03	16.30	0.0001	30.30	30.06	1504

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NSR0870	F3A25YR1DA Y	16.24	16.51	0.0002	117.68	117.42	38810
NSR0880	F3A25YR1DA Y	16.24	16.53	0.0001	46.26	45.99	18429
NSR0881	F3A25YR1DA Y	14.14	17.56	0.0005	285.05	280.47	191752
NSR0890	F3A25YR1DA Y	4.02	4.59	0.1316	274.52	344.22	64293
NSR0910	F3A25YR1DA Y	4.79	5.28	-0.0033	205.99	206.33	43525
NSR0930	F3A25YR1DA Y	5.54	6.51	0.0000	192.53	45.91	318718
NSR0950	F3A25YR1DA Y	5.63	6.52	0.0004	316.10	310.62	102657
NSR0970	F3A25YR1DA Y	6.14	6.68	-0.0002	139.46	139.41	3616
NSR0990	F3A25YR1DA Y	6.27	6.73	-0.0001	225.74	225.37	4382
NSR1010	F3A25YR1DA Y	6.30	6.76	0.0000	50.55	49.42	14473
NSR1030	F3A25YR1DA Y	8.54	9.10	0.0001	177.35	176.91	9932
NSR1050	F3A25YR1DA Y	8.56	9.15	0.0000	96.46	94.41	25979
NSR1070	F3A25YR1DA Y	9.58	9.75	-0.0007	232.90	230.93	61310
NSR1090	F3A25YR1DA Y	11.30	11.44	-0.0004	157.01	157.03	8417
NSR1110	F3A25YR1DA Y	11.57	11.59	0.0000	3.13	3.12	2996
NSR1130	F3A25YR1DA Y	11.29	11.38	0.0000	30.74	30.71	15467
NSR1150	F3A25YR1DA Y	11.39	11.58	0.0000	7.66	5.50	10711
NSR1170	F3A25YR1DA Y	11.38	11.57	0.0000	4.30	3.44	450
NSR1190	F3A25YR1DA Y	12.70	13.25	0.0000	156.20	156.19	13789
NSR1210	F3A25YR1DA Y	12.70	13.25	-0.0001	27.40	8.20	84105
NSR1230	F3A25YR1DA Y	14.76	15.35	0.0000	153.56	153.53	9678
NSR1270	F3A25YR1DA Y	14.99	15.54	0.0000	153.59	153.56	6276
NSR1290	F3A25YR1DA Y	14.99	15.54	0.0000	11.41	2.54	24884

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR1310	F3A25YR1DA Y	14.99	15.54	0.0000	33.23	12.87	122750
NSR1330	F3A25YR1DA Y	15.44	16.21	0.0000	152.71	151.45	22923
NSR1350	F3A25YR1DA Y	15.45	16.22	0.0000	37.91	21.62	214210
NSR1370	F3A25YR1DA Y	15.56	16.30	0.0000	153.99	144.50	21929
NSR1390	F3A25YR1DA Y	15.56	16.30	0.0000	4.40	3.21	5674
NSR1410	F3A25YR1DA Y	15.56	16.30	0.0001	31.34	29.07	49432
NSR1430	F3A25YR1DA Y	15.76	16.40	0.0000	57.50	47.49	47331
NSR1450	F3A25YR1DA Y	15.74	16.40	0.0000	83.34	52.31	124969
NSR1470	F3A25YR1DA Y	15.96	16.41	0.0000	57.39	49.08	54194
NSR1490	F3A25YR1DA Y	16.21	16.44	0.0000	64.35	44.21	165854
NSR1510	F3A25YR1DA Y	16.21	16.44	0.0000	37.83	34.73	33708
NSR1530	F3A25YR1DA Y	15.56	16.30	0.0000	6.59	4.40	16037
NSR1550	F3A25YR1DA Y	15.68	16.39	-0.0001	153.29	144.77	34084
NSR1570	F3A25YR1DA Y	15.68	16.39	0.0000	13.30	9.75	20452
NSR1590	F3A25YR1DA Y	15.68	16.39	0.0000	67.92	59.61	41572
NSR1610	F3A25YR1DA Y	15.75	16.46	0.0004	24.49	20.02	36133
NSR1630	F3A25YR1DA Y	15.75	16.46	0.0000	102.74	97.76	20547
NSR1650	F3A25YR1DA Y	16.39	17.10	0.0000	3.71	3.71	436
NSR1670	F3A25YR1DA Y	15.92	17.01	-0.0002	90.40	81.81	50490
NSR1690	F3A25YR1DA Y	16.24	17.13	0.0000	89.45	84.25	22628
NSR1710	F3A25YR1DA Y	16.25	17.13	0.0000	9.44	9.28	21277
NSR1730	F3A25YR1DA Y	16.32	17.18	0.0000	87.02	82.68	15568
NSR1750	F3A25YR1DA Y	16.68	17.18	0.0000	3.90	3.90	1674
NSR1770	F3A25YR1DA	17.23	17.48	0.0000	27.75	14.97	22054

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NSR1790	F3A25YR1DA Y	17.24	17.49	0.0000	33.65	17.03	38155
NSR1810	F3A25YR1DA Y	17.25	17.49	0.0000	9.40	7.25	16394
NSR1830	F3A25YR1DA Y	17.25	17.48	0.0000	71.08	67.60	107501
NSR1850	F3A25YR1DA Y	16.95	18.05	0.0000	13.20	10.88	13811
NSR1870	F3A25YR1DA Y	16.93	18.05	0.0001	69.27	35.97	163415
NSR1890	F3A25YR1DA Y	16.05	18.06	0.0001	13.37	13.80	1056
NSR1910	F3A25YR1DA Y	15.45	18.06	0.0004	99.64	79.44	143577
NSR1930	F3A25YR1DA Y	16.53	17.30	-0.0002	63.49	63.05	7665
NSR1950	F3A25YR1DA Y	16.70	17.30	-0.0001	20.84	20.81	12753
NSR1970	F3A25YR1DA Y	16.84	17.69	-0.0001	37.66	27.48	69824
NSR1990	F3A25YR1DA Y	16.86	17.55	0.0000	9.67	8.62	949
NSR2010	F3A25YR1DA Y	16.91	17.42	-0.0001	18.87	11.23	45607
NSR2030	F3A25YR1DA Y	16.90	17.29	-0.0001	11.23	11.23	751
NSR2050	F3A25YR1DA Y	16.88	17.06	0.0000	18.85	17.62	22630
NSR2070	F3A25YR1DA Y	16.81	17.04	0.0000	6.48	6.45	781
NSR2090	F3A25YR1DA Y	16.72	17.02	0.0000	6.45	6.42	673
NSR2110	F3A25YR1DA Y	16.54	16.97	0.0000	21.19	20.47	27940
NSR2130	F3A25YR1DA Y	16.50	16.56	0.0000	19.95	16.42	89609
NSR2150	F3A25YR1DA Y	17.60	17.70	0.0000	73.01	53.30	223350
NSR2170	F3A25YR1DA Y	17.62	17.72	0.0001	26.81	26.60	2087
NSR2190	F3A25YR1DA Y	17.62	17.73	-0.0001	27.01	26.81	967
NSR2210	F3A25YR1DA Y	17.62	17.75	0.0000	69.90	53.80	139866
NSR2230	F3A25YR1DA Y	17.62	17.74	-0.0001	20.52	20.04	675

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR2250	F3A25YR1DA Y	17.63	17.75	-0.0001	24.49	20.52	14256
NSR2270	F3A25YR1DA Y	17.63	17.75	-0.0001	29.65	21.82	30767
NSR2290	F3A25YR1DA Y	17.63	17.75	-0.0003	18.82	18.59	888
NSR2310	F3A25YR1DA Y	17.63	17.76	0.0000	22.65	18.94	25501
NSR2330	F3A25YR1DA Y	17.65	18.13	0.0000	24.45	12.55	49241
NSR2350	F3A25YR1DA Y	17.65	18.13	0.0001	28.55	13.61	74168
NSR2370	F3A25YR1DA Y	16.66	17.40	0.0000	41.01	36.55	9676
NSR2390	F3A25YR1DA Y	18.07	18.09	0.0000	15.33	9.69	66867
NSR2410	F3A25YR1DA Y	16.66	17.41	0.0000	49.87	32.94	19694
NSR2430	F3A25YR1DA Y	17.99	18.01	0.0000	3.40	3.38	3286
NSR2450	F3A25YR1DA Y	18.06	18.19	0.0000	45.58	44.44	23137
NSR3000	F3A25YR1DA Y	17.04	18.06	-0.0727	9.98	49.45	47037
NSR3005	F3A25YR1DA Y	17.02	18.06	0.1453	49.45	4.05	566
NSR3020	F3A25YR1DA Y	17.61	17.89	-0.0001	79.79	79.45	74194
NSR3040	F3A25YR1DA Y	16.25	16.54	0.0000	93.64	91.01	80858
NSR3060	F3A25YR1DA Y	16.21	16.44	0.0001	31.27	30.28	48905
NSW0010	F3A25YR1DA Y	2.00	2.00	0.0000	30.57	0.00	0
NSW0030	F3A25YR1DA Y	2.13	3.22	-0.0003	30.57	30.57	587
NSW0050	F3A25YR1DA Y	4.04	5.74	-0.0002	38.39	30.57	16182
Outfall	F3A25YR1DA Y	2.00	2.00	0.0000	86.00	0.00	0
Outfall_NE	F3A25YR1DA Y	21.00	20.77	0.0003	8.66	0.00	0
PondA	F3A25YR1DA Y	0.00	18.46	0.0294	25.41	15.35	26400
PondB	F3A25YR1DA Y	0.00	16.89	0.0000	144.74	76.28	120356
SH_OUTFALL	F3A25YR1DA	2.00	2.00	0.0000	1029.98	3.01	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
STORAGE1	F3A25YR1DA Y	0.00	20.46	0.0000	5.58	1.45	7405
STORAGE10	F3A25YR1DA Y	0.00	20.61	0.0000	3.63	0.04	9148
STORAGE11	F3A25YR1DA Y	0.00	21.12	0.0001	62.18	0.01	18648
STORAGE12	F3A25YR1DA Y	0.00	21.14	0.0005	101.53	5.91	10262
STORAGE13	F3A25YR1DA Y	0.00	18.27	0.0000	1.33	1.13	5323
STORAGE14	F3A25YR1DA Y	0.00	22.08	0.0000	5.36	0.00	13395
STORAGE2	F3A25YR1DA Y	0.00	18.60	0.0000	9.01	4.58	18426
STORAGE4	F3A25YR1DA Y	0.00	19.33	0.0003	78.27	2.96	12088
STORAGE5	F3A25YR1DA Y	0.00	21.32	0.0000	15.55	6.57	20042
STORAGE8	F3A25YR1DA Y	0.00	17.55	0.0000	2.56	1.77	6098
STORAGE9	F3A25YR1DA Y	0.00	19.16	0.0007	8.39	1.72	11761
Sevilla1	F3A25YR1DA Y	1.20	2.24	0.0000	0.06	0.05	804
Sevilla2	F3A25YR1DA Y	1.23	2.13	0.0000	0.03	0.02	610
Sevilla3	F3A25YR1DA Y	1.20	2.24	0.0000	0.17	0.13	1339
Sevilla4	F3A25YR1DA Y	1.20	2.24	0.0000	0.28	0.22	1450
Shamrock2	F3A25YR1DA Y	1.11	2.13	-0.0001	86.04	86.01	5389
Shmrck1.1	F3A25YR1DA Y	1.38	2.41	-0.0001	86.02	86.02	6206
Shmrck1.2	F3A25YR1DA Y	1.20	2.24	-0.0001	86.02	86.04	3971
THEA_JUNCT 1	F3A25YR1DA Y	0.00	14.47	0.0000	34.01	34.00	667
THEA_JUNCT 2	F3A25YR1DA Y	0.00	13.59	0.0000	34.00	34.00	501
THEA_Watrou s	F3A25YR1DA Y	0.00	16.16	0.0002	34.03	34.01	812
V3	F3A25YR1DA Y	6.53	6.55	0.0000	0.14	0.09	36709
BC_N02	F3A50YR1DA Y	0.00	18.00	0.0000	0.00	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Church1	F3A50YR1DA Y	8.77	10.58	0.0000	0.96	0.40	533
Church2	F3A50YR1DA Y	8.77	10.58	0.0000	9.35	8.90	4390
Clark1	F3A50YR1DA Y	7.21	8.25	0.0000	1.26	0.57	743
Clark2	F3A50YR1DA Y	7.21	8.25	-0.0001	66.81	66.50	22557
DM1	F3A50YR1DA Y	11.42	12.16	0.0000	10.55	10.53	1416
DM2	F3A50YR1DA Y	10.30	10.92	0.0000	10.53	10.71	2201
DM3	F3A50YR1DA Y	9.16	10.63	0.0000	10.71	9.35	2980
E_Outlet	F3A50YR1DA Y	0.00	16.70	-0.0004	125.07	49.82	0
E_Outlet2	F3A50YR1DA Y	0.00	17.00	0.0000	0.00	0.00	0
EIP_Hes.1	F3A50YR1DA Y	1.99	3.85	0.0001	1.30	0.89	763
EIP_con.1	F3A50YR1DA Y	2.18	4.08	0.0014	93.79	95.72	4221
EIPrad.1	F3A50YR1DA Y	1.99	3.85	0.0000	0.63	0.39	632
G1	F3A50YR1DA Y	14.98	16.30	-0.0037	171.67	118.75	40654
G10	F3A50YR1DA Y	8.77	10.55	-0.0001	66.83	66.81	4603
G2	F3A50YR1DA Y	14.99	16.25	-0.0003	56.28	52.12	32934
G3	F3A50YR1DA Y	14.86	16.23	-0.0010	166.98	166.74	27807
G4	F3A50YR1DA Y	12.82	15.18	-0.0005	166.74	165.78	57264
G5	F3A50YR1DA Y	11.69	14.01	-0.0003	106.68	99.02	46120
G6	F3A50YR1DA Y	11.00	9.24	0.0000	14.68	0.00	0
G7	F3A50YR1DA Y	11.00	12.41	0.0000	74.67	74.05	3601
G8	F3A50YR1DA Y	10.07	11.35	0.0000	61.13	60.54	2143
G9	F3A50YR1DA Y	9.41	10.82	0.0001	60.54	59.89	1353
H1	F3A50YR1DA Y	1.99	5.25	-0.0002	37.10	36.70	16505
H2.1	F3A50YR1DA	1.99	3.85	0.0012	125.54	126.29	6105

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
Hubert	F3A50YR1DA Y	3.16	4.76	-0.0001	68.80	73.54	5965
JUNCT1	F3A50YR1DA Y	0.00	13.94	0.0000	1.12	1.01	1375
JUNCT10	F3A50YR1DA Y	0.00	22.23	0.0000	77.66	77.60	11013
JUNCT2	F3A50YR1DA Y	0.00	14.32	0.0000	24.14	24.08	2701
JUNCT3	F3A50YR1DA Y	0.00	19.93	0.0000	6.69	6.19	7854
JUNCT4	F3A50YR1DA Y	0.00	13.63	0.0000	3.41	3.36	5455
JUNCT6	F3A50YR1DA Y	0.00	17.40	-0.0013	195.68	795.41	10283
JUNCT7	F3A50YR1DA Y	0.00	19.73	0.0000	146.48	146.55	8388
JUNCT7B	F3A50YR1DA Y	0.00	19.23	0.0000	151.79	150.11	25154
JUNCT8	F3A50YR1DA Y	0.00	19.73	0.0000	236.41	236.74	11634
JUNCT8B	F3A50YR1DA Y	0.00	19.24	0.0000	236.74	233.93	33500
JUNCT9	F3A50YR1DA Y	0.00	29.64	0.0000	77.77	77.89	9858
L1	F3A50YR1DA Y	11.53	12.13	0.0000	59.82	61.64	51706
L2	F3A50YR1DA Y	11.63	11.81	0.0000	16.27	16.69	32936
L3	F3A50YR1DA Y	10.43	10.71	0.0000	33.43	32.99	46104
L4	F3A50YR1DA Y	8.43	8.67	0.0000	16.32	16.38	50838
L5	F3A50YR1DA Y	7.63	7.78	0.0000	7.01	6.63	43662
L6	F3A50YR1DA Y	6.93	7.02	0.0000	2.89	2.62	43812
Lois	F3A50YR1DA Y	4.82	5.42	-0.0001	66.50	68.80	6808
M1	F3A50YR1DA Y	2.58	6.73	0.0003	66.48	68.31	24875
M1.1	F3A50YR1DA Y	6.33	7.06	0.0000	68.76	66.48	35314
M1.2	F3A50YR1DA Y	7.03	7.44	0.0000	52.49	53.49	28599
M1.3	F3A50YR1DA Y	7.13	7.75	0.0000	46.07	45.16	28491

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
M2	F3A50YR1DA Y	2.58	6.18	-0.0006	80.84	74.85	60750
M3	F3A50YR1DA Y	2.58	5.77	-0.0005	75.91	78.28	39418
M4	F3A50YR1DA Y	2.58	5.58	-0.0006	78.42	64.96	52775
M5.1	F3A50YR1DA Y	2.57	4.49	0.0010	94.13	93.79	6163
M6	F3A50YR1DA Y	2.58	4.49	0.0001	1.66	1.39	558
N01	F3A50YR1DA Y	0.00	20.04	0.0000	43.10	24.11	45386
N01A	F3A50YR1DA Y	0.00	19.85	0.0001	10.29	9.99	456
N02	F3A50YR1DA Y	0.00	17.96	0.0001	42.35	38.44	17806
N03	F3A50YR1DA Y	0.00	17.98	0.0000	3.90	4.46	2532
N04	F3A50YR1DA Y	0.00	19.94	0.0001	13.85	13.69	643
N05	F3A50YR1DA Y	0.00	17.48	0.0000	101.17	100.30	4393
N06	F3A50YR1DA Y	0.00	17.23	0.0002	69.36	69.65	3292
N07A	F3A50YR1DA Y	0.00	17.00	0.0002	74.90	75.20	4247
N08A	F3A50YR1DA Y	0.00	16.02	-0.0002	136.69	136.53	4272
N09	F3A50YR1DA Y	0.00	13.98	0.0001	24.35	24.31	1578
N09A	F3A50YR1DA Y	0.00	13.45	0.0003	142.57	142.57	1359
N10	F3A50YR1DA Y	2.00	2.00	0.0000	366.33	0.00	0
N11	F3A50YR1DA Y	0.00	17.42	-0.0011	195.74	125.07	392398
NBB0010	F3A50YR1DA Y	2.00	2.00	0.0000	139.88	0.00	0
NBB0030	F3A50YR1DA Y	5.03	7.76	-0.0005	139.88	139.88	557
NBB0050	F3A50YR1DA Y	9.15	13.51	-0.0003	226.01	139.88	127318
NBB0070	F3A50YR1DA Y	11.30	14.22	-0.0001	114.24	113.19	2549
NBB0090	F3A50YR1DA Y	12.67	14.27	0.0001	128.33	128.20	3745
NBB0110	F3A50YR1DA	13.46	15.74	0.0001	117.56	117.56	1982

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NBB0130	F3A50YR1DA Y	15.26	16.90	-0.0003	62.47	50.64	53657
NBB0150	F3A50YR1DA Y	14.01	16.12	0.0001	72.99	73.13	1935
NBB0170	F3A50YR1DA Y	14.74	16.65	0.0001	72.91	72.99	1452
NBB0190	F3A50YR1DA Y	15.42	17.21	0.0001	82.02	72.91	83436
NBB0210	F3A50YR1DA Y	15.70	17.22	0.0001	70.23	70.29	1556
NBB0230	F3A50YR1DA Y	16.02	17.23	0.0001	70.16	70.23	12811
NBB0250	F3A50YR1DA Y	16.31	17.53	0.0001	69.37	69.44	2036
NBB0270	F3A50YR1DA Y	17.05	18.01	0.0001	68.39	69.37	37287
NBB0290	F3A50YR1DA Y	17.06	18.01	0.0001	53.43	54.46	1258
NBB0310	F3A50YR1DA Y	17.07	18.01	-0.0002	226.84	110.77	558148
NBB0330	F3A50YR1DA Y	16.57	17.27	0.0001	49.44	44.89	44458
NBB0350	F3A50YR1DA Y	16.45	17.26	0.0001	28.55	29.46	1396
NBB0370	F3A50YR1DA Y	16.33	17.26	0.0001	97.88	58.55	76850
NBB0390	F3A50YR1DA Y	16.32	17.26	-0.0001	21.54	22.33	1832
NBB0410	F3A50YR1DA Y	16.30	17.25	-0.0002	77.37	55.32	57157
NBB0430	F3A50YR1DA Y	15.45	16.32	-0.0003	156.87	194.48	67752
NBW0010	F3A50YR1DA Y	2.00	2.00	0.0000	989.10	0.00	0
NBW0030	F3A50YR1DA Y	3.39	4.83	0.0003	990.22	989.10	65601
NBW0050	F3A50YR1DA Y	3.92	5.29	0.0000	87.05	81.85	54866
NBW0070	F3A50YR1DA Y	3.57	5.15	-0.0006	309.50	519.20	62285
NBW0090	F3A50YR1DA Y	3.66	4.96	0.0000	33.66	37.79	49584
NBW0130	F3A50YR1DA Y	3.73	5.24	0.0000	308.19	309.09	14685
NBW0150	F3A50YR1DA Y	3.93	5.07	0.0001	31.03	30.50	20244

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW0170	F3A50YR1DA Y	3.98	5.03	-0.0001	31.49	32.14	48192
NBW0190	F3A50YR1DA Y	3.89	5.35	0.0001	307.92	308.19	5986
NBW0210	F3A50YR1DA Y	6.25	6.43	0.0000	14.06	13.74	7418
NBW0230	F3A50YR1DA Y	4.01	5.59	0.0001	306.90	307.16	6139
NBW0250	F3A50YR1DA Y	4.88	6.39	0.0000	305.86	305.97	5687
NBW0270	F3A50YR1DA Y	5.49	6.43	0.0001	64.83	57.65	49009
NBW0290	F3A50YR1DA Y	5.91	6.43	0.0000	50.56	48.69	33594
NBW0310	F3A50YR1DA Y	6.38	7.44	0.0001	21.11	14.51	39096
NBW0330	F3A50YR1DA Y	5.50	7.13	0.0000	297.72	297.65	24909
NBW0350	F3A50YR1DA Y	4.97	5.59	0.0000	14.13	14.11	10554
NBW0370	F3A50YR1DA Y	5.52	7.13	-0.0001	10.86	9.47	17201
NBW0390	F3A50YR1DA Y	5.52	7.13	0.0001	17.31	8.14	63548
NBW0410	F3A50YR1DA Y	5.54	7.25	-0.0001	296.15	296.29	3446
NBW0430	F3A50YR1DA Y	5.89	7.66	0.0000	11.22	10.17	50382
NBW0450	F3A50YR1DA Y	5.89	7.66	0.0001	297.13	296.15	12326
NBW0470	F3A50YR1DA Y	5.89	7.66	0.0000	8.18	7.17	38011
NBW0490	F3A50YR1DA Y	5.92	7.78	-0.0002	295.27	295.17	3184
NBW0510	F3A50YR1DA Y	6.72	7.78	0.0000	7.42	7.40	24395
NBW0530	F3A50YR1DA Y	6.22	8.16	0.0001	295.36	295.37	4802
NBW0550	F3A50YR1DA Y	6.72	9.27	0.0000	277.30	264.25	379205
NBW0570	F3A50YR1DA Y	7.09	9.24	0.0000	252.17	243.52	129783
NBW0590	F3A50YR1DA Y	10.03	10.30	0.0002	411.62	410.71	88961
NBW0610	F3A50YR1DA Y	6.45	8.40	0.0000	269.70	269.58	10487
NBW0630	F3A50YR1DA	6.22	8.16	0.0000	15.18	8.01	86748

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NBW0650	F3A50YR1DA Y	6.66	9.23	0.0001	277.73	270.96	23082
NBW0670	F3A50YR1DA Y	6.66	9.23	0.0000	22.40	5.86	40589
NBW0690	F3A50YR1DA Y	6.71	9.26	0.0001	219.00	218.97	11548
NBW0710	F3A50YR1DA Y	6.71	9.26	0.0000	28.91	10.70	81387
NBW0730	F3A50YR1DA Y	6.72	9.27	-0.0001	238.06	213.20	266865
NBW0750	F3A50YR1DA Y	7.06	9.27	0.0002	293.04	275.31	143411
NBW0770	F3A50YR1DA Y	7.06	9.27	-0.0004	43.86	36.00	32373
NBW0790	F3A50YR1DA Y	8.11	9.28	0.0000	37.78	37.52	18505
NBW0810	F3A50YR1DA Y	7.06	9.27	0.0000	71.13	60.00	70544
NBW0830	F3A50YR1DA Y	8.41	9.28	0.0001	57.29	56.99	9446
NBW0850	F3A50YR1DA Y	10.17	10.12	0.0001	57.73	52.75	21326
NBW0870	F3A50YR1DA Y	7.06	9.29	0.0000	309.11	272.22	280798
NBW0890	F3A50YR1DA Y	7.06	9.28	0.0004	16.70	17.30	1027
NBW0910	F3A50YR1DA Y	7.06	9.28	0.0001	281.85	261.65	168154
NBW0930	F3A50YR1DA Y	8.03	9.31	-0.0001	44.97	44.78	1301
NBW0950	F3A50YR1DA Y	8.82	9.34	-0.0001	81.72	44.97	167491
NBW0970	F3A50YR1DA Y	8.82	9.35	0.0003	40.19	37.88	37475
NBW0990	F3A50YR1DA Y	8.82	9.35	-0.0002	14.88	14.43	785
NBW1010	F3A50YR1DA Y	8.83	9.36	0.0000	38.47	38.44	1528
NBW1030	F3A50YR1DA Y	9.19	11.40	0.0000	96.97	37.75	72820
NBW1050	F3A50YR1DA Y	9.30	11.40	0.0001	16.67	16.07	900
NBW1070	F3A50YR1DA Y	9.34	11.40	0.0000	343.52	343.29	76254
NBW1090	F3A50YR1DA Y	3.78	5.30	0.0000	473.62	464.93	20057

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW1130	F3A50YR1DA Y	4.51	5.58	0.0001	239.92	239.65	36664
NBW1150	F3A50YR1DA Y	4.53	5.67	-0.0001	262.48	261.10	75248
NBW1169	F3A50YR1DA Y	4.09	5.44	0.0000	452.76	445.69	21700
NBW1170	F3A50YR1DA Y	4.30	5.57	-0.0001	446.70	444.27	8343
NBW1190	F3A50YR1DA Y	6.13	6.81	-0.0001	81.30	62.91	76884
NBW1210	F3A50YR1DA Y	7.17	7.79	-0.0002	323.26	319.10	170238
NBW1230	F3A50YR1DA Y	7.17	7.84	-0.0002	346.02	306.72	250109
NBW1250	F3A50YR1DA Y	4.74	6.13	0.0001	406.46	403.63	7825
NBW1270	F3A50YR1DA Y	6.14	6.81	-0.0001	34.31	27.69	53493
NBW1310	F3A50YR1DA Y	5.21	6.32	0.0002	439.94	401.79	8702
NBW1330	F3A50YR1DA Y	7.56	8.98	-0.0021	329.40	375.13	3074
NBW1350	F3A50YR1DA Y	10.95	11.74	0.0001	56.08	55.93	16318
NBW1351	F3A50YR1DA Y	8.89	11.05	0.0004	305.34	305.46	28176
NBW1352	F3A50YR1DA Y	9.96	12.89	0.0006	299.00	299.00	7956
NBW1353	F3A50YR1DA Y	11.01	14.71	0.0005	293.68	293.71	8196
NBW1370	F3A50YR1DA Y	10.02	11.02	0.0003	231.12	227.61	45853
NBW1390	F3A50YR1DA Y	15.24	15.52	0.0003	351.68	350.67	185427
NBW1410	F3A50YR1DA Y	15.58	15.80	0.0003	200.66	200.66	30743
NBW1430	F3A50YR1DA Y	15.79	15.90	0.0002	188.58	188.25	28794
NBW1450	F3A50YR1DA Y	16.94	17.18	-0.0003	329.13	328.57	124013
NBW1460	F3A50YR1DA Y	16.43	16.70	0.0002	149.52	150.36	4273
NBW1470	F3A50YR1DA Y	17.14	17.49	-0.0002	395.29	387.64	245939
NBW1480	F3A50YR1DA Y	18.11	18.20	0.0001	19.46	19.33	17718
NBW1490	F3A50YR1DA	17.86	18.35	0.0001	239.29	236.66	141260

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NBW1510	F3A50YR1DA Y	18.12	18.65	-0.0001	130.25	132.58	37708
NBW1530	F3A50YR1DA Y	17.92	18.69	0.0001	14.85	12.16	1184
NBW1550	F3A50YR1DA Y	17.75	18.74	0.0001	61.42	53.88	41498
NBW1570	F3A50YR1DA Y	18.21	18.83	0.0001	126.49	128.79	2604
NBW1590	F3A50YR1DA Y	18.12	18.64	-0.0001	66.08	67.10	23294
NBW1610	F3A50YR1DA Y	18.13	18.64	0.0001	40.98	34.78	27180
NBW1630	F3A50YR1DA Y	18.13	18.42	0.0001	32.34	32.19	1809
NBW1650	F3A50YR1DA Y	18.81	19.65	0.0001	19.88	12.91	47987
NBW1670	F3A50YR1DA Y	18.89	19.66	0.0001	47.50	41.75	41447
NBW1690	F3A50YR1DA Y	19.03	19.66	0.0001	30.25	27.11	26392
NBW1710	F3A50YR1DA Y	19.26	19.66	0.0001	3.30	1.59	998
NBW1730	F3A50YR1DA Y	18.65	19.57	0.0003	367.05	360.67	326323
NBW1750	F3A50YR1DA Y	18.82	19.63	-0.0002	187.80	163.95	77735
NBW1770	F3A50YR1DA Y	18.82	19.65	0.0001	171.36	133.65	181801
NBW1790	F3A50YR1DA Y	18.91	19.66	0.0001	40.77	36.83	41128
NBW1820	F3A50YR1DA Y	18.72	19.34	0.0000	112.45	106.32	172987
NBW1830	F3A50YR1DA Y	18.74	19.57	-0.0001	64.96	62.84	87077
NBW1840	F3A50YR1DA Y	18.39	18.88	0.0000	150.23	134.10	140533
NBW1850	F3A50YR1DA Y	18.74	19.60	-0.0001	195.14	180.23	149024
NBW1860	F3A50YR1DA Y	18.39	18.88	0.0000	19.84	14.50	23133
NBW1870	F3A50YR1DA Y	18.72	19.35	-0.0002	41.43	42.95	40137
NBW1890	F3A50YR1DA Y	19.06	19.94	0.0001	43.65	43.59	2614
NBW1910	F3A50YR1DA Y	19.27	20.17	0.0001	80.65	79.60	8261

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW1930	F3A50YR1DA Y	19.27	20.16	0.0001	45.46	38.51	44246
NBW1950	F3A50YR1DA Y	18.97	19.61	0.0001	5.06	2.34	450
NBW1970	F3A50YR1DA Y	18.96	19.60	0.0000	17.74	17.23	14007
NBW1990	F3A50YR1DA Y	19.27	19.99	0.0001	121.79	115.12	146595
NBW2010	F3A50YR1DA Y	19.65	19.97	0.0001	14.11	15.75	12319
NBW2030	F3A50YR1DA Y	19.65	19.97	0.0001	32.99	30.32	94601
NBW2050	F3A50YR1DA Y	19.26	20.20	0.0001	103.99	94.32	130217
NBW2060	F3A50YR1DA Y	0.00	20.20	0.0000	31.13	26.64	66810
NBW2070	F3A50YR1DA Y	19.26	20.20	0.0001	166.11	84.12	200907
NBW2090	F3A50YR1DA Y	19.10	19.02	0.0002	70.51	62.71	13247
NBW2110	F3A50YR1DA Y	18.92	19.02	0.0002	193.26	184.65	137454
NBW2130	F3A50YR1DA Y	18.92	19.02	0.0002	94.62	83.41	32436
NBW2140	F3A50YR1DA Y	20.00	19.14	0.0001	9.87	7.43	652
NBW2145	F3A50YR1DA Y	0.00	19.42	-0.0012	22.71	99.12	37661
NBW2150	F3A50YR1DA Y	19.26	20.19	0.0001	109.52	99.98	31724
NBW2170	F3A50YR1DA Y	19.12	20.20	0.0001	5.36	5.20	940
NBW2190	F3A50YR1DA Y	19.10	20.21	0.0001	10.78	5.41	26445
NBW2210	F3A50YR1DA Y	19.47	20.19	0.0001	42.17	42.78	44994
NBW2230	F3A50YR1DA Y	19.47	20.19	-0.0002	86.68	77.97	84470
NBW2250	F3A50YR1DA Y	19.51	20.19	0.0001	32.31	32.90	8935
NBW2270	F3A50YR1DA Y	19.57	20.19	-0.0001	31.27	31.86	34506
NBW2290	F3A50YR1DA Y	19.65	20.19	-0.0002	92.45	84.05	192552
NBW2310	F3A50YR1DA Y	19.82	20.08	-0.0002	92.46	90.37	145143
NBW2330	F3A50YR1DA	19.82	20.08	-0.0002	41.64	27.19	81168

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NBW2350	F3A50YR1DA Y	16.05	16.53	0.0001	174.83	173.29	78048
NBW2370	F3A50YR1DA Y	16.11	16.54	-0.0001	41.98	40.80	57127
NBW2380	F3A50YR1DA Y	12.29	16.54	0.0004	322.01	294.08	91243
NBW2385	F3A50YR1DA Y	18.49	18.51	0.0000	6.38	6.37	6781
NBW2387	F3A50YR1DA Y	16.11	16.54	0.0000	0.72	0.77	482
NBW2390	F3A50YR1DA Y	16.42	17.98	0.0001	142.26	143.59	65716
NBW2410	F3A50YR1DA Y	16.59	18.40	-0.0002	247.16	245.55	176881
NBW2430	F3A50YR1DA Y	16.23	18.45	0.0001	352.15	351.53	109776
NBW2450	F3A50YR1DA Y	16.15	18.51	0.0002	166.00	162.81	4396
NBW2470	F3A50YR1DA Y	16.43	18.74	0.0002	365.50	365.69	45657
NBW2490	F3A50YR1DA Y	16.90	18.74	-0.0004	86.77	308.15	22604
NBW2510	F3A50YR1DA Y	17.74	18.74	-0.0001	73.56	72.71	7035
NBW2530	F3A50YR1DA Y	17.92	18.69	-0.0001	62.62	63.16	2010
NBW2550	F3A50YR1DA Y	17.95	18.69	-0.0001	2.52	3.00	450
NBW2570	F3A50YR1DA Y	17.96	18.70	0.0000	4.94	2.52	12023
NBW2590	F3A50YR1DA Y	18.06	18.67	-0.0001	50.75	51.20	1098
NBW2610	F3A50YR1DA Y	17.00	18.84	-0.0008	415.49	413.91	128354
NBW2630	F3A50YR1DA Y	17.98	18.85	0.0000	214.27	194.02	42188
NBW2650	F3A50YR1DA Y	16.97	18.83	-0.0004	27.06	28.20	40326
NBW2670	F3A50YR1DA Y	16.42	18.83	0.0001	51.44	35.59	45704
NBW2680	F3A50YR1DA Y	17.73	18.47	-0.0001	145.12	144.78	27508
NBW2690	F3A50YR1DA Y	15.40	18.29	0.0002	358.26	353.37	107243
NBW2710	F3A50YR1DA Y	17.73	18.50	0.0001	3.19	2.41	529

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW2730	F3A50YR1DA Y	18.29	18.73	0.0000	3.33	2.31	6210
NBW2770	F3A50YR1DA Y	18.09	18.86	0.0000	13.26	13.28	1310
NBW2775	F3A50YR1DA Y	6.59	7.12	0.0000	22.36	19.79	59672
NBW2780	F3A50YR1DA Y	18.38	18.84	0.0001	154.57	148.49	171418
NBW2790	F3A50YR1DA Y	18.38	18.87	0.0000	291.80	274.74	151005
NBW2810	F3A50YR1DA Y	18.39	18.87	-0.0002	109.63	99.82	80816
NBW2830	F3A50YR1DA Y	18.40	18.88	0.0000	84.29	62.87	177815
NC01	F3A50YR1DA Y	0.00	6.29	-0.0001	40.45	39.98	4928
NC01B	F3A50YR1DA Y	0.00	5.95	0.0000	32.13	32.07	6989
NC02	F3A50YR1DA Y	0.00	8.93	0.0001	165.07	164.96	10958
NC03	F3A50YR1DA Y	0.00	4.97	-0.0001	192.96	192.89	15095
NC04	F3A50YR1DA Y	0.00	4.04	0.0000	123.45	119.65	56358
NC05	F3A50YR1DA Y	0.00	4.02	-0.0001	134.81	132.52	66406
NC06	F3A50YR1DA Y	0.00	3.98	0.0000	145.22	144.74	29241
NC07	F3A50YR1DA Y	0.00	3.98	-0.0001	135.09	135.05	27042
NC08	F3A50YR1DA Y	0.00	3.94	0.0000	154.73	154.55	19659
NCL0010	F3A50YR1DA Y	2.00	2.00	0.0000	870.91	0.00	0
NCL0030	F3A50YR1DA Y	2.36	3.15	0.0002	595.64	595.62	6856
NCL0050	F3A50YR1DA Y	2.36	3.15	-0.0001	0.56	1.13	439
NCL0070	F3A50YR1DA Y	5.20	5.80	0.0000	253.92	251.04	82026
NCL0090	F3A50YR1DA Y	6.06	6.38	0.0000	91.08	73.26	100544
NCL0110	F3A50YR1DA Y	3.04	3.97	-0.0007	632.71	632.61	6623
NCL0130	F3A50YR1DA Y	4.05	4.12	0.0002	158.74	158.80	565
NCL0150	F3A50YR1DA	4.95	5.46	-0.0001	159.74	159.82	2802

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NCL0170	F3A50YR1DA Y	5.08	5.53	0.0000	101.54	101.58	1472
NCL0190	F3A50YR1DA Y	5.08	5.55	0.0000	4.13	3.94	438
NCL0210	F3A50YR1DA Y	5.85	6.88	-0.0001	102.97	101.47	42222
NCL0230	F3A50YR1DA Y	6.60	7.72	-0.0002	71.40	32.99	91236
NCL0250	F3A50YR1DA Y	6.60	7.72	-0.0001	3.79	4.04	606
NCL0270	F3A50YR1DA Y	6.60	7.72	-0.0001	7.43	5.32	3335
NCL0290	F3A50YR1DA Y	5.90	6.93	0.0001	64.65	65.19	924
NCL0310	F3A50YR1DA Y	6.10	7.13	0.0012	64.38	64.76	1045
NCL0330	F3A50YR1DA Y	5.95	6.89	-0.0001	23.96	29.49	16028
NCL0350	F3A50YR1DA Y	6.60	7.72	-0.0003	228.48	177.96	119050
NCL0370	F3A50YR1DA Y	7.36	8.05	0.0002	211.70	208.56	39513
NCL0390	F3A50YR1DA Y	4.02	4.95	-0.0011	457.51	473.07	4339
NCL0410	F3A50YR1DA Y	4.09	5.19	0.0001	9.11	9.01	819
NCL0430	F3A50YR1DA Y	4.23	5.50	0.0000	9.67	9.36	931
NCL0450	F3A50YR1DA Y	4.75	5.63	0.0007	446.53	446.56	3676
NCL0470	F3A50YR1DA Y	5.43	6.23	-0.0010	445.10	445.13	3437
NCL0490	F3A50YR1DA Y	6.48	7.11	-0.0010	561.84	564.62	71420
NCL0510	F3A50YR1DA Y	6.67	7.41	-0.0001	42.25	40.42	5430
NCL0530	F3A50YR1DA Y	8.10	8.60	0.0004	40.35	21.73	1171
NCL0550	F3A50YR1DA Y	8.17	8.66	-0.0002	41.25	40.35	72448
NCL0570	F3A50YR1DA Y	8.66	9.05	0.0001	22.56	19.27	9448
NCL0590	F3A50YR1DA Y	7.00	7.67	0.0007	477.85	478.34	15013
NCL0610	F3A50YR1DA Y	7.52	8.23	0.0007	460.85	461.04	3640

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL0630	F3A50YR1DA Y	8.06	8.95	-0.0004	457.62	457.78	4608
NCL0650	F3A50YR1DA Y	8.12	9.02	-0.0003	55.28	102.61	1613
NCL0670	F3A50YR1DA Y	8.67	9.75	-0.0004	123.11	55.28	1693
NCL0690	F3A50YR1DA Y	8.76	9.79	0.0002	28.01	35.14	605
NCL0710	F3A50YR1DA Y	8.95	9.88	-0.0002	29.60	27.52	600
NCL0730	F3A50YR1DA Y	9.26	10.06	-0.0002	32.36	29.60	554
NCL0750	F3A50YR1DA Y	9.56	10.19	0.0000	215.06	196.94	86736
NCL0770	F3A50YR1DA Y	10.12	10.49	0.0001	105.92	105.85	2178
NCL0790	F3A50YR1DA Y	8.69	9.80	-0.0003	44.24	101.59	895
NCL0810	F3A50YR1DA Y	8.84	10.15	0.0000	48.51	44.24	38939
NCL0830	F3A50YR1DA Y	8.93	10.21	0.0006	393.88	396.49	53166
NCL0850	F3A50YR1DA Y	9.01	10.22	-0.0001	116.83	104.75	36154
NCL0870	F3A50YR1DA Y	9.37	10.38	0.0001	131.57	131.21	2022
NCL0890	F3A50YR1DA Y	9.65	10.53	-0.0001	115.94	115.72	1586
NCL0910	F3A50YR1DA Y	9.71	10.48	0.0000	20.94	20.50	19326
NCL0930	F3A50YR1DA Y	9.57	11.01	-0.0001	168.04	165.39	13797
NCL0950	F3A50YR1DA Y	9.89	11.21	-0.0001	150.76	149.13	12208
NCL0970	F3A50YR1DA Y	10.41	11.67	0.0001	46.40	45.21	2267
NCL0990	F3A50YR1DA Y	11.00	11.83	0.0001	60.05	59.07	10443
NCL1010	F3A50YR1DA Y	11.14	12.31	0.0001	12.80	12.71	638
NCL1030	F3A50YR1DA Y	9.67	10.42	-0.0002	23.81	33.52	1481
NCL1050	F3A50YR1DA Y	10.46	10.45	0.0000	10.53	9.79	4514
NCL1070	F3A50YR1DA Y	9.30	11.45	0.0001	4.33	4.36	631
NCL1090	F3A50YR1DA	9.76	11.51	0.0000	35.73	16.87	27138

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NCL1110	F3A50YR1DA Y	9.85	11.09	0.0001	17.33	18.31	16338
NCL1130	F3A50YR1DA Y	9.76	11.51	-0.0001	38.57	20.01	117032
NCL1150	F3A50YR1DA Y	9.76	11.51	-0.0001	733.31	727.53	275064
NCL1170	F3A50YR1DA Y	10.59	12.60	0.0004	455.40	370.40	156525
NCL1190	F3A50YR1DA Y	10.72	13.06	0.0001	98.93	98.97	1850
NCL1210	F3A50YR1DA Y	10.63	12.61	0.0001	58.04	26.44	58728
NCL1230	F3A50YR1DA Y	10.94	13.65	0.0001	98.90	98.93	1432
NCL1250	F3A50YR1DA Y	11.11	14.01	0.0001	98.87	98.90	1231
NCL1270	F3A50YR1DA Y	11.34	14.41	0.0001	245.72	167.27	206639
NCL1290	F3A50YR1DA Y	13.06	14.46	0.0001	213.50	208.26	45396
NCL1310	F3A50YR1DA Y	14.77	15.84	0.0001	211.68	208.94	59110
NCL1330	F3A50YR1DA Y	10.60	12.60	-0.0003	385.93	380.39	91717
NCL1350	F3A50YR1DA Y	10.63	12.61	-0.0002	378.40	371.82	72192
NCL1370	F3A50YR1DA Y	10.63	12.64	-0.0002	223.28	221.29	17611
NCL1390	F3A50YR1DA Y	10.63	14.41	0.0001	70.80	62.31	36345
NCL1410	F3A50YR1DA Y	10.63	14.41	0.0001	74.71	69.81	10467
NCL1430	F3A50YR1DA Y	10.70	12.63	0.0004	604.53	464.97	260681
NCL1450	F3A50YR1DA Y	10.93	13.14	0.0007	489.06	488.62	3036
NCL1470	F3A50YR1DA Y	12.72	14.61	0.0002	348.32	347.56	4425
NCL1490	F3A50YR1DA Y	14.45	14.86	0.0000	8.15	8.12	784
NCL1510	F3A50YR1DA Y	11.06	13.14	-0.0008	66.66	79.86	17100
NCL1530	F3A50YR1DA Y	12.54	13.14	-0.0003	105.94	104.18	19116
NCL1550	F3A50YR1DA Y	13.13	13.51	-0.0001	43.22	42.05	1021

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL1570	F3A50YR1DA Y	13.31	14.08	0.0001	6.65	6.59	504
NCL1590	F3A50YR1DA Y	13.70	14.10	0.0000	3.24	2.83	1307
NCL1610	F3A50YR1DA Y	13.37	14.28	0.0001	4.30	4.03	469
NCL1630	F3A50YR1DA Y	13.57	13.76	-0.0002	92.95	92.91	2926
NCL1650	F3A50YR1DA Y	13.68	14.01	0.0002	97.95	97.91	1925
NCL1670	F3A50YR1DA Y	14.02	15.05	0.0001	191.06	190.90	14976
NCL1690	F3A50YR1DA Y	17.47	17.94	0.0001	67.57	67.53	6926
NCL1710	F3A50YR1DA Y	17.89	18.20	0.0001	60.76	60.79	3413
NCL1730	F3A50YR1DA Y	18.27	19.36	-0.0010	232.60	232.27	43749
NCL1750	F3A50YR1DA Y	18.24	19.22	0.0011	31.41	31.43	513
NCL1770	F3A50YR1DA Y	18.07	18.30	0.0001	55.02	54.99	3184
NCL1790	F3A50YR1DA Y	15.78	16.63	0.0001	340.90	340.23	5863
NCL1810	F3A50YR1DA Y	18.13	18.48	0.0001	85.46	78.24	53366
NCL1830	F3A50YR1DA Y	18.39	18.65	0.0001	321.52	320.92	6250
NCL1850	F3A50YR1DA Y	18.50	18.80	-0.0003	66.76	79.05	909
NCL1870	F3A50YR1DA Y	19.01	19.50	0.0001	66.42	66.76	999
NCL1890	F3A50YR1DA Y	19.15	19.68	0.0001	69.03	67.75	987
NCL1910	F3A50YR1DA Y	19.15	19.69	0.0001	4.39	1.03	531
NCL1930	F3A50YR1DA Y	19.91	19.99	0.0000	7.06	7.01	1633
NCL1950	F3A50YR1DA Y	19.15	19.68	0.0000	1.03	0.17	503
NCL1970	F3A50YR1DA Y	21.67	21.68	0.0000	3.89	3.88	3371
NCL1990	F3A50YR1DA Y	19.58	20.27	0.0002	71.63	69.03	884
NCL2010	F3A50YR1DA Y	19.74	20.33	0.0001	43.86	41.67	1104
NCL2030	F3A50YR1DA	19.76	19.98	0.0001	27.76	23.65	42862

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NCL2050	F3A50YR1DA Y	19.76	20.38	0.0001	42.28	39.48	1411
NCL2070	F3A50YR1DA Y	19.76	19.99	-0.0001	6.72	7.72	1202
NCL2090	F3A50YR1DA Y	19.87	20.75	0.0001	45.45	42.28	1414
NCL2110	F3A50YR1DA Y	20.03	20.79	-0.0002	43.49	40.09	33040
NCL2130	F3A50YR1DA Y	19.87	20.81	0.0001	148.90	159.62	126318
NCL2150	F3A50YR1DA Y	20.75	21.56	-0.0004	155.37	140.92	255698
NCL2170	F3A50YR1DA Y	19.85	20.79	-0.0004	251.20	249.12	100561
NCL2230	F3A50YR1DA Y	19.13	19.78	0.0002	291.57	288.74	50584
NCL2250	F3A50YR1DA Y	19.55	20.31	0.0002	214.46	210.48	4444
NCL2270	F3A50YR1DA Y	20.05	20.96	0.0001	328.09	327.17	61308
NCL2290	F3A50YR1DA Y	19.88	20.79	0.0001	16.99	15.03	19481
NCL2310	F3A50YR1DA Y	20.45	21.22	0.0001	103.11	102.01	1779
NCL2330	F3A50YR1DA Y	20.74	21.41	0.0001	198.13	186.00	134513
NCL2350	F3A50YR1DA Y	20.78	21.43	0.0001	95.43	94.03	14730
NCL2370	F3A50YR1DA Y	20.81	21.44	0.0001	92.13	90.72	2298
NCL2390	F3A50YR1DA Y	20.84	21.46	0.0000	202.80	164.24	219145
NCL2410	F3A50YR1DA Y	21.07	21.49	0.0000	30.64	30.28	1380
NCL2430	F3A50YR1DA Y	21.32	21.61	0.0000	29.29	28.93	1472
NCL2450	F3A50YR1DA Y	21.25	21.56	0.0000	6.31	6.15	493
NCL2470	F3A50YR1DA Y	20.93	21.47	0.0000	28.08	27.71	846
NCL2490	F3A50YR1DA Y	21.54	21.61	0.0000	26.20	25.87	1524
NCL2510	F3A50YR1DA Y	21.70	21.58	0.0000	201.74	201.93	128689
NCL2530	F3A50YR1DA Y	21.70	21.57	0.0000	90.10	91.66	60414

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL2540	F3A50YR1DA Y	0.00	22.27	0.0000	125.50	123.20	59103
NCL2550	F3A50YR1DA Y	21.70	21.57	0.0000	100.30	100.75	22392
NCL2570	F3A50YR1DA Y	21.51	21.53	0.0001	15.40	15.56	1503
NCL2580	F3A50YR1DA Y	0.00	21.50	-0.0005	180.64	179.71	42778
NCL2590	F3A50YR1DA Y	21.17	21.50	0.0000	308.56	304.43	173573
NCL2610	F3A50YR1DA Y	21.14	21.49	0.0000	212.32	212.12	35957
NCL2630	F3A50YR1DA Y	20.86	21.09	0.0000	123.47	118.02	57175
NCL2631	F3A50YR1DA Y	0.00	20.95	-0.0001	116.23	98.51	50279
NCL2650	F3A50YR1DA Y	21.17	21.65	0.0000	127.58	105.68	156239
NCL2670	F3A50YR1DA Y	21.93	22.26	-0.0004	133.79	159.74	71570
NCL2690	F3A50YR1DA Y	21.96	22.54	0.0000	90.03	95.30	64725
NCL2710	F3A50YR1DA Y	21.96	22.65	0.0000	80.07	71.31	86946
NCL2730	F3A50YR1DA Y	21.95	22.77	0.0000	49.87	48.82	28385
NCL2750	F3A50YR1DA Y	21.84	23.15	0.0000	158.38	157.26	50079
NCL2770	F3A50YR1DA Y	21.71	22.50	0.0000	40.52	40.53	1389
NCL2780	F3A50YR1DA Y	0.00	22.42	0.0000	40.85	40.51	32694
NCL2790	F3A50YR1DA Y	21.84	22.42	0.0000	229.40	218.51	158555
NCL2810	F3A50YR1DA Y	22.11	22.91	-0.0001	153.07	152.30	31718
NCL2830	F3A50YR1DA Y	23.09	23.22	-0.0001	32.24	30.84	16073
NCL2835	F3A50YR1DA Y	0.00	23.91	0.0000	7.94	7.96	1074
NCL2840	F3A50YR1DA Y	0.00	23.83	0.0000	151.27	150.99	28963
NCL2845	F3A50YR1DA Y	0.00	24.37	-0.0001	84.52	84.29	19187
NCL2850	F3A50YR1DA Y	20.82	21.44	0.0001	18.55	18.89	5079
NCL2870	F3A50YR1DA	20.83	21.34	-0.0002	17.54	17.88	1245

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NCL2890	F3A50YR1DA Y	20.83	21.25	0.0004	16.94	17.54	26840
NCL2910	F3A50YR1DA Y	20.83	21.25	0.0001	118.34	117.70	46814
NCL2930	F3A50YR1DA Y	19.55	20.34	0.0003	263.43	264.96	30061
NCL2950	F3A50YR1DA Y	19.53	20.34	0.0002	144.39	144.88	33958
NCL2970	F3A50YR1DA Y	20.49	20.76	0.0002	86.65	84.31	26832
NCL2990	F3A50YR1DA Y	19.33	20.19	0.0002	136.77	137.25	10735
NCL3010	F3A50YR1DA Y	19.35	20.19	0.0002	190.35	133.65	308586
NCL3030	F3A50YR1DA Y	19.58	20.22	0.0002	141.32	104.93	115020
NCL3050	F3A50YR1DA Y	19.94	20.30	0.0002	114.66	106.83	61708
NCL3070	F3A50YR1DA Y	20.14	20.38	0.0001	64.04	57.84	37070
NCL3090	F3A50YR1DA Y	19.59	20.21	0.0002	133.51	116.31	116425
NCL3110	F3A50YR1DA Y	19.59	20.22	0.0002	104.94	71.45	145658
NCL3130	F3A50YR1DA Y	19.59	20.22	0.0002	41.24	24.93	71123
NCL3150	F3A50YR1DA Y	19.54	20.20	0.0002	175.72	163.21	81945
NCL3170	F3A50YR1DA Y	19.71	20.45	0.0002	141.38	140.75	51040
NCL3190	F3A50YR1DA Y	20.31	20.74	0.0002	161.30	149.00	159137
NCL3210	F3A50YR1DA Y	20.32	20.75	0.0002	120.65	113.41	76326
NCL3230	F3A50YR1DA Y	20.32	20.76	0.0002	98.99	96.48	34945
NCL3250	F3A50YR1DA Y	19.11	19.16	-0.0002	201.71	200.15	127914
NCL3250A	F3A50YR1DA Y	0.00	19.67	0.0004	133.23	132.18	2677
NCL3270	F3A50YR1DA Y	19.11	19.70	0.0000	34.84	33.39	15473
NCL3280	F3A50YR1DA Y	0.00	19.95	-0.0001	50.07	49.21	20760
NCL3290	F3A50YR1DA Y	20.16	20.61	0.0000	50.64	47.93	34814

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL3300	F3A50YR1DA Y	0.00	19.84	0.0000	16.96	16.96	3236
NCL3310	F3A50YR1DA Y	20.19	20.70	0.0000	2.29	2.20	769
NCL3330	F3A50YR1DA Y	20.75	20.76	0.0000	7.47	6.97	437
NCL3350	F3A50YR1DA Y	20.51	20.81	0.0001	59.68	57.09	55267
NCL3360	F3A50YR1DA Y	0.00	20.80	0.0000	20.67	18.84	24940
NCL3365	F3A50YR1DA Y	0.00	20.44	0.0001	57.51	56.75	34313
NCL3370	F3A50YR1DA Y	20.64	21.22	-0.0002	201.52	199.02	111043
NCL3390	F3A50YR1DA Y	20.83	21.25	0.0001	202.17	201.54	44184
NCL3410	F3A50YR1DA Y	20.83	21.25	0.0001	2.43	1.84	476
NCL3430	F3A50YR1DA Y	20.83	21.25	0.0000	6.44	1.30	5858
NCL3450	F3A50YR1DA Y	18.92	19.13	0.0002	389.85	311.71	194776
NCL3470	F3A50YR1DA Y	19.11	19.15	0.0001	457.64	374.03	242696
NCL3471	F3A50YR1DA Y	0.00	19.14	0.0002	143.18	140.87	5436
NCL3490	F3A50YR1DA Y	19.15	19.19	0.0001	191.42	181.91	45428
NCL3510	F3A50YR1DA Y	20.64	20.05	0.0001	168.11	167.11	34933
NCL3520	F3A50YR1DA Y	0.00	19.73	-0.0001	422.46	421.96	66853
NCL3530	F3A50YR1DA Y	20.66	20.96	0.0001	232.07	229.81	77253
NCL3550	F3A50YR1DA Y	20.66	20.97	0.0001	4.96	4.57	736
NCL3570	F3A50YR1DA Y	20.66	21.01	-0.0001	2.77	2.52	628
NCL3590	F3A50YR1DA Y	20.66	21.01	0.0000	4.44	1.87	7546
NCL3610	F3A50YR1DA Y	20.66	20.96	0.0001	41.63	42.34	1320
NCL3630	F3A50YR1DA Y	20.64	20.95	-0.0001	375.60	371.43	131417
NCL3635	F3A50YR1DA Y	0.00	20.95	0.0001	22.38	24.67	1915
NCL3640	F3A50YR1DA	0.00	20.95	0.0001	49.70	45.39	61416

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NCL3650	F3A50YR1DA Y	18.92	19.12	0.0001	10.00	9.84	503
NCL3670	F3A50YR1DA Y	18.92	19.13	0.0000	16.71	26.76	51336
NCL3690	F3A50YR1DA Y	18.92	19.12	0.0002	153.33	144.17	2640
NCL3730	F3A50YR1DA Y	18.92	19.11	0.0000	488.66	382.77	138807
NCL3740	F3A50YR1DA Y	0.00	19.14	0.0002	267.77	264.47	38105
NCL3750	F3A50YR1DA Y	18.93	19.62	-0.0012	253.40	200.10	291607
NCL3770	F3A50YR1DA Y	18.93	19.62	-0.0006	81.43	38.76	112308
NCL4000	F3A50YR1DA Y	0.00	29.88	0.0000	77.82	77.77	8832
NCL4010	F3A50YR1DA Y	0.00	29.64	0.0000	68.55	68.25	15465
NCypEast	F3A50YR1DA Y	32.00	29.00	0.0000	17.00	0.00	0
NCypWest	F3A50YR1DA Y	32.00	29.93	0.0000	0.00	0.00	0
NOC0010	F3A50YR1DA Y	2.00	2.00	0.0000	570.92	26.84	0
NOC0030	F3A50YR1DA Y	1.14	2.47	-0.0237	570.97	570.92	1523
NOC0050	F3A50YR1DA Y	1.20	2.73	-0.0163	494.41	494.52	1930
NOC0070	F3A50YR1DA Y	1.45	3.71	0.0066	478.64	478.68	6770
NOC0090	F3A50YR1DA Y	2.91	3.85	-0.0032	126.47	126.56	446
NOC0110	F3A50YR1DA Y	1.65	3.79	0.0073	292.89	293.03	455
NOC0130	F3A50YR1DA Y	3.06	4.61	0.0022	292.82	292.89	528
NOC0150	F3A50YR1DA Y	3.08	4.63	0.0000	4.16	3.93	500
NOC0170	F3A50YR1DA Y	4.56	4.91	0.0000	22.76	22.74	1900
NOC0190	F3A50YR1DA Y	5.09	5.92	0.0005	291.34	291.48	1933
NOC0210	F3A50YR1DA Y	5.68	6.12	0.0002	45.20	44.27	8020
NOC0230	F3A50YR1DA Y	5.12	5.98	0.0001	10.64	10.34	742

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NOC0250	F3A50YR1DA Y	5.30	6.45	0.0001	11.06	10.64	984
NOC0270	F3A50YR1DA Y	5.57	7.06	0.0000	8.26	5.16	9400
NOC0290	F3A50YR1DA Y	5.11	6.11	0.0002	380.98	381.04	1836
NOC0310	F3A50YR1DA Y	5.27	6.52	0.0002	90.96	83.31	28068
NOC0330	F3A50YR1DA Y	5.85	6.89	-0.0001	385.28	380.60	200126
NOC0350	F3A50YR1DA Y	5.89	6.97	-0.0001	356.27	327.47	142264
NOC0370	F3A50YR1DA Y	6.47	7.32	0.0001	270.41	269.35	73022
NOC0390	F3A50YR1DA Y	6.60	7.71	-0.0001	112.64	99.52	60537
NOC0410	F3A50YR1DA Y	6.95	7.71	0.0001	59.55	42.63	80468
NOC0430	F3A50YR1DA Y	7.01	7.46	0.0001	62.68	61.49	34413
NOC0450	F3A50YR1DA Y	7.62	7.70	0.0001	41.45	40.49	22198
NOC0470	F3A50YR1DA Y	8.12	8.23	0.0001	28.46	26.89	27815
NOC0490	F3A50YR1DA Y	7.67	7.73	0.0001	6.35	6.29	1051
NRU0010	F3A50YR1DA Y	2.00	2.00	0.0000	675.16	0.00	0
NRU0030	F3A50YR1DA Y	2.84	3.63	-0.0005	438.10	381.07	2468
NRU0050	F3A50YR1DA Y	4.36	5.79	-0.0013	381.07	438.10	2036
NRU0070	F3A50YR1DA Y	5.61	7.57	0.0006	410.89	381.07	40089
NRU0090	F3A50YR1DA Y	5.66	7.57	-0.0001	128.10	90.11	44430
NRU0110	F3A50YR1DA Y	6.23	7.62	-0.0002	318.18	296.17	31677
NRU0130	F3A50YR1DA Y	7.66	9.24	-0.0004	271.29	270.90	2616
NRU0150	F3A50YR1DA Y	7.71	9.30	-0.0014	253.00	253.02	1528
NRU0160	F3A50YR1DA Y	0.00	14.82	0.0001	187.63	187.63	4959
NRU0165	F3A50YR1DA Y	0.00	15.10	0.0000	7.53	7.20	474
NRU0170	F3A50YR1DA	14.45	17.39	-0.0001	241.10	191.34	100278

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NRU0172	F3A50YR1DA Y	0.00	17.41	0.0001	10.06	11.08	831
NRU0174	F3A50YR1DA Y	0.00	17.44	-0.0001	16.88	10.06	10642
NRU0176	F3A50YR1DA Y	0.00	16.32	0.0000	9.95	9.95	761
NRU0178	F3A50YR1DA Y	0.00	17.19	0.0000	7.59	7.62	957
NRU0180	F3A50YR1DA Y	0.00	17.44	-0.0001	228.03	185.57	200869
NRU0190	F3A50YR1DA Y	14.45	17.39	-0.0002	18.38	16.08	21916
NRU0210	F3A50YR1DA Y	14.45	17.24	-0.0001	24.15	18.12	15746
NRU0230	F3A50YR1DA Y	13.39	15.22	-0.0001	37.08	36.34	23840
NRU0250	F3A50YR1DA Y	14.62	17.39	-0.0002	851.12	229.99	53829
NRU0270	F3A50YR1DA Y	15.05	17.40	-0.0003	162.14	175.21	12726
NRU0290	F3A50YR1DA Y	16.30	18.96	-0.0002	88.15	67.79	95007
NRU0310	F3A50YR1DA Y	16.13	17.79	0.0001	92.59	92.37	2502
NRU0330	F3A50YR1DA Y	18.25	18.48	0.0001	25.24	24.35	1352
NRU0335	F3A50YR1DA Y	0.00	19.44	0.0001	12.79	10.16	17697
NRU0340	F3A50YR1DA Y	0.00	18.98	0.0001	88.38	82.22	59616
NRU0343	F3A50YR1DA Y	0.00	19.61	0.0001	12.49	9.61	917
NRU0345	F3A50YR1DA Y	0.00	19.84	0.0001	75.53	70.27	90886
NRU0350	F3A50YR1DA Y	19.50	19.22	0.0001	17.84	15.34	18391
NRU0370	F3A50YR1DA Y	19.51	19.22	0.0001	13.59	10.70	14928
NRU0380	F3A50YR1DA Y	23.33	19.14	0.0001	7.29	7.61	470
NRU0390	F3A50YR1DA Y	27.00	19.13	-0.0002	35.84	22.40	27846
NRU0410	F3A50YR1DA Y	19.56	19.28	0.0001	10.19	7.56	1096
NRU0425	F3A50YR1DA Y	15.53	16.73	0.0001	8.61	3.82	4982

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0430	F3A50YR1DA Y	19.61	19.33	0.0001	7.56	5.09	1072
NRU0450	F3A50YR1DA Y	19.66	19.39	0.0001	5.09	3.16	1044
NRU0470	F3A50YR1DA Y	19.72	19.64	0.0001	3.43	2.92	786
NRU0490	F3A50YR1DA Y	20.36	19.75	-0.0001	4.51	3.43	2732
NRU0495	F3A50YR1DA Y	0.00	15.43	0.0003	757.83	757.85	2716
NRU0500	F3A50YR1DA Y	0.00	15.81	0.0006	756.16	756.21	5646
NRU0510	F3A50YR1DA Y	19.67	20.25	-0.0002	44.02	31.58	79039
NRU0530	F3A50YR1DA Y	16.95	18.17	0.0001	59.17	60.28	2251
NRU0550	F3A50YR1DA Y	17.92	18.60	-0.0002	145.84	137.75	90895
NRU0570	F3A50YR1DA Y	18.16	19.01	-0.0001	105.07	104.08	18474
NRU0590	F3A50YR1DA Y	18.51	19.63	0.0001	65.13	64.53	28537
NRU0610	F3A50YR1DA Y	18.78	19.82	0.0001	65.97	54.19	79331
NRU0612	F3A50YR1DA Y	0.00	19.83	0.0001	45.57	40.04	48390
NRU0615	F3A50YR1DA Y	0.00	19.99	0.0001	11.58	6.68	2099
NRU0616	F3A50YR1DA Y	0.00	20.26	0.0001	9.54	8.24	19931
NRU0618	F3A50YR1DA Y	0.00	20.56	0.0001	20.74	16.68	18399
NRU0620	F3A50YR1DA Y	0.00	20.08	0.0001	32.01	28.66	29541
NRU0630	F3A50YR1DA Y	18.79	19.69	0.0001	53.19	52.95	27583
NRU0650	F3A50YR1DA Y	18.79	19.53	0.0001	81.05	78.47	35428
NRU0670	F3A50YR1DA Y	18.78	19.35	-0.0001	63.85	63.84	1429
NRU0690	F3A50YR1DA Y	18.84	19.07	0.0001	95.85	94.14	23830
NRU0710	F3A50YR1DA Y	18.86	18.99	0.0001	175.62	172.10	39205
NRU0730	F3A50YR1DA Y	18.85	18.99	0.0001	61.01	58.48	42674
NRU0740	F3A50YR1DA	0.00	18.94	0.0001	182.67	176.53	32296

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NRU0745	F3A50YR1DA Y	0.00	18.91	0.0001	185.06	176.72	44053
NRU0747	F3A50YR1DA Y	18.87	18.91	0.0001	113.82	112.01	1657
NRU0750	F3A50YR1DA Y	18.87	18.90	0.0001	233.97	143.84	230548
NRU0770	F3A50YR1DA Y	18.88	18.90	-0.0001	37.45	35.47	1011
NRU0785	F3A50YR1DA Y	0.00	18.90	0.0001	101.03	84.55	55422
NRU0790	F3A50YR1DA Y	18.88	18.90	-0.0003	632.97	592.35	121887
NRU0810	F3A50YR1DA Y	18.88	18.90	0.0001	24.60	18.66	11407
NRU0820	F3A50YR1DA Y	0.00	18.89	0.0001	6.26	3.11	442
NRU0830	F3A50YR1DA Y	18.99	19.02	-0.0005	523.52	524.72	33770
NRU0840	F3A50YR1DA Y	9999.00	19.08	0.0006	467.81	468.92	2258
NRU0850	F3A50YR1DA Y	19.11	19.11	0.0002	193.10	190.86	2553
NRU0870	F3A50YR1DA Y	19.32	19.14	-0.0003	42.57	43.45	560
NRU0890	F3A50YR1DA Y	19.35	19.14	0.0000	77.84	67.23	67345
NRU0910	F3A50YR1DA Y	19.35	19.16	0.0000	3.30	2.92	581
NRU0930	F3A50YR1DA Y	19.35	19.78	0.0000	3.48	3.30	1742
NRU0950	F3A50YR1DA Y	19.11	19.13	-0.0003	202.01	183.48	37958
NRU0955	F3A50YR1DA Y	0.00	19.13	-0.0001	262.81	237.95	54479
NRU0960	F3A50YR1DA Y	0.00	19.15	0.0001	314.64	299.42	38964
NRU0965	F3A50YR1DA Y	0.00	19.15	0.0002	318.11	296.37	79095
NRU0970	F3A50YR1DA Y	19.34	19.14	0.0001	46.92	38.51	78345
NRU0980	F3A50YR1DA Y	0.00	19.14	-0.0003	19.33	20.09	1097
NRU0990	F3A50YR1DA Y	19.39	19.14	0.0003	41.50	41.12	440
NRU1010	F3A50YR1DA Y	19.70	19.15	-0.0013	42.09	41.50	24821

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1015	F3A50YR1DA Y	0.00	20.18	0.0001	25.64	15.33	37326
NRU1020	F3A50YR1DA Y	0.00	21.60	-0.0060	24.04	112.28	866
NRU1025	F3A50YR1DA Y	0.00	21.04	0.0001	12.56	12.22	724
NRU1030	F3A50YR1DA Y	19.70	19.15	-0.0001	163.17	145.01	115119
NRU1035	F3A50YR1DA Y	0.00	18.76	0.0000	1.57	1.44	436
NRU1036	F3A50YR1DA Y	0.00	19.16	-0.0003	19.09	20.34	437
NRU1037	F3A50YR1DA Y	0.00	19.11	0.0001	3.51	3.76	687
NRU1040	F3A50YR1DA Y	0.00	19.15	-0.0003	101.50	94.76	59938
NRU1045	F3A50YR1DA Y	0.00	21.68	0.0001	23.56	17.03	40417
NRU1046	F3A50YR1DA Y	0.00	21.65	0.0060	17.03	15.08	934
NRU1050	F3A50YR1DA Y	19.70	19.16	0.0001	164.85	151.42	83787
NRU1070	F3A50YR1DA Y	19.83	19.49	0.0001	64.43	62.75	28386
NRU1090	F3A50YR1DA Y	18.86	18.90	-0.0002	114.81	112.87	1336
NRU1110	F3A50YR1DA Y	18.86	18.90	0.0001	155.34	153.22	68856
NRU1130	F3A50YR1DA Y	18.86	18.90	-0.0001	36.26	33.47	776
NRU1150	F3A50YR1DA Y	18.86	18.90	0.0003	66.22	63.92	60237
NRU1170	F3A50YR1DA Y	18.86	19.11	-0.0001	51.32	44.20	37471
NRU1182	F3A50YR1DA Y	0.00	18.36	0.0000	18.13	18.04	1155
NRU1184	F3A50YR1DA Y	0.00	18.48	0.0000	13.49	13.19	873
NRU1185	F3A50YR1DA Y	0.00	19.28	0.0001	20.81	14.40	41619
NRU1186	F3A50YR1DA Y	0.00	18.48	0.0000	5.83	4.85	791
NRU1188	F3A50YR1DA Y	0.00	18.49	0.0000	10.62	4.28	32979
NRU1190	F3A50YR1DA Y	18.86	18.93	0.0000	9.56	7.67	576
NRU1210	F3A50YR1DA	18.86	18.84	0.0000	7.67	6.73	722

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NRU1220	F3A50YR1DA Y	0.00	18.87	0.0001	35.60	34.81	2046
NRU1225	F3A50YR1DA Y	0.00	23.03	0.0000	7.46	7.18	8649
NRU1230	F3A50YR1DA Y	18.88	18.37	0.0002	671.49	671.61	4556
NRU1232	F3A50YR1DA Y	0.00	18.00	0.0008	696.46	696.59	3681
NRU1234	F3A50YR1DA Y	0.00	18.89	-0.0001	17.65	12.77	12046
NRU1240	F3A50YR1DA Y	0.00	18.90	-0.0001	18.40	15.66	9192
NRU1250	F3A50YR1DA Y	4.07	4.82	-0.0003	296.42	296.41	2104
NRU1270	F3A50YR1DA Y	4.78	5.54	-0.0003	290.79	290.80	1667
NRU1290	F3A50YR1DA Y	5.41	6.27	0.0001	275.22	275.28	3103
NRU1310	F3A50YR1DA Y	6.42	7.40	0.0001	275.18	275.22	5051
NRU1330	F3A50YR1DA Y	8.29	9.65	0.0001	347.76	347.59	3357
NRU1350	F3A50YR1DA Y	9.32	11.01	0.0001	340.86	339.88	3652
NRU1370	F3A50YR1DA Y	11.03	13.39	0.0001	342.61	332.15	15859
NRU1390	F3A50YR1DA Y	11.84	13.47	0.0001	95.08	72.15	46599
NRU1410	F3A50YR1DA Y	12.56	14.69	0.0002	269.27	269.39	7264
NRU1430	F3A50YR1DA Y	15.53	16.73	-0.0001	84.70	39.73	114916
NRU1450	F3A50YR1DA Y	15.94	16.36	0.0001	56.53	56.11	12582
NRU1470	F3A50YR1DA Y	15.97	16.41	0.0001	6.75	6.80	980
NRU1490	F3A50YR1DA Y	16.09	16.62	0.0001	13.78	10.77	22673
NRU1510	F3A50YR1DA Y	15.12	17.44	0.0001	224.18	222.26	158360
NRU1530	F3A50YR1DA Y	15.71	17.45	-0.0001	101.65	108.25	41204
NRU1550	F3A50YR1DA Y	15.40	17.44	0.0000	108.19	111.86	27447
NRU1570	F3A50YR1DA Y	16.20	17.93	0.0000	56.95	51.33	27358

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1590	F3A50YR1DA Y	16.40	17.93	0.0001	12.19	8.43	15106
NRU1610	F3A50YR1DA Y	16.56	18.22	0.0000	51.26	44.28	47662
NRU1630	F3A50YR1DA Y	16.69	18.23	0.0001	36.98	37.05	1538
NRU1650	F3A50YR1DA Y	16.84	18.23	0.0000	44.33	36.98	46169
NRU1670	F3A50YR1DA Y	16.89	18.23	0.0000	116.52	35.51	217360
NRU1690	F3A50YR1DA Y	16.89	18.11	0.0000	57.21	56.17	25682
NRU1710	F3A50YR1DA Y	16.60	18.11	-0.0001	34.91	34.65	1425
NRU1730	F3A50YR1DA Y	16.58	18.18	0.0000	106.34	25.87	188715
NRU1750	F3A50YR1DA Y	16.58	18.18	0.0002	15.63	16.88	720
NRU1770	F3A50YR1DA Y	16.58	18.18	0.0000	40.20	38.37	12229
NRU1790	F3A50YR1DA Y	17.21	18.35	0.0000	21.76	19.02	35458
NRU1810	F3A50YR1DA Y	16.58	18.18	0.0000	14.88	8.60	35536
NRU1830	F3A50YR1DA Y	17.12	18.53	0.0001	39.00	25.11	56514
NRU1850	F3A50YR1DA Y	17.07	18.20	0.0000	24.79	24.61	1052
NRU1870	F3A50YR1DA Y	17.20	18.34	0.0000	24.96	24.79	907
NRU1890	F3A50YR1DA Y	17.38	18.54	0.0000	65.72	24.96	114455
NRU1910	F3A50YR1DA Y	17.71	18.54	0.0000	30.77	21.73	40924
NRU1930	F3A50YR1DA Y	15.71	17.45	0.0000	63.49	89.09	138322
NRU1950	F3A50YR1DA Y	16.43	17.74	0.0000	57.06	57.24	1646
NRU1970	F3A50YR1DA Y	16.86	17.91	0.0000	56.88	57.06	1037
NRU1990	F3A50YR1DA Y	17.09	18.00	-0.0001	56.70	56.88	5004
NRU2010	F3A50YR1DA Y	18.02	18.67	0.0001	12.74	10.88	7327
NRU2030	F3A50YR1DA Y	18.39	18.69	0.0001	17.75	16.59	41349
NRU2050	F3A50YR1DA	18.40	18.74	-0.0001	5.00	3.65	453

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NRU2070	F3A50YR1DA Y	18.41	18.75	-0.0001	7.82	5.00	19821
NRU2090	F3A50YR1DA Y	17.16	18.04	-0.0001	47.74	47.89	9837
NRU2110	F3A50YR1DA Y	17.28	18.11	0.0001	45.47	45.63	14384
NRU2130	F3A50YR1DA Y	17.49	18.21	-0.0001	44.80	44.96	8873
NRU2150	F3A50YR1DA Y	17.69	18.50	0.0001	11.96	6.24	50872
NRU2170	F3A50YR1DA Y	17.07	18.38	0.0001	3.88	3.95	770
NRU2190	F3A50YR1DA Y	17.08	18.38	0.0000	16.72	3.88	50895
NRU2210	F3A50YR1DA Y	17.33	18.22	0.0001	8.53	8.82	540
NRU2230	F3A50YR1DA Y	17.33	18.24	0.0000	62.56	20.05	143029
NRU2250	F3A50YR1DA Y	17.31	18.23	0.0001	14.37	10.27	37801
NRU2270	F3A50YR1DA Y	17.61	18.26	0.0001	31.21	30.72	10508
NRU2290	F3A50YR1DA Y	17.67	18.27	-0.0001	28.53	28.68	4355
NRU2310	F3A50YR1DA Y	17.68	18.26	0.0001	25.29	26.67	13872
NRU2330	F3A50YR1DA Y	17.68	18.28	0.0004	32.32	10.09	8353
NRU2350	F3A50YR1DA Y	17.68	18.28	-0.0002	6.03	30.86	654
NRU2370	F3A50YR1DA Y	17.37	18.11	0.0001	5.89	6.03	528
NRU2390	F3A50YR1DA Y	17.36	18.12	0.0000	15.61	5.89	36738
NRU2410	F3A50YR1DA Y	17.72	18.24	0.0001	23.65	23.58	16969
NRU2430	F3A50YR1DA Y	17.83	18.24	0.0001	19.00	18.79	12099
NRU2450	F3A50YR1DA Y	18.06	18.24	0.0001	8.56	7.40	14425
NRU2470	F3A50YR1DA Y	15.72	17.47	0.0000	11.81	12.10	1459
NRU2490	F3A50YR1DA Y	15.75	17.53	0.0000	11.53	11.81	1431
NRU2510	F3A50YR1DA Y	15.75	17.56	0.0001	10.52	10.86	958

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU2530	F3A50YR1DA Y	15.76	17.72	0.0001	10.27	10.52	582
NRU2550	F3A50YR1DA Y	16.53	17.56	0.0001	215.42	210.30	81618
NRU2570	F3A50YR1DA Y	17.71	18.60	0.0001	207.89	202.76	101170
NRU2590	F3A50YR1DA Y	18.30	18.65	0.0001	36.01	31.05	9730
NRU2610	F3A50YR1DA Y	18.62	19.20	0.0001	99.54	99.17	31004
NRU2630	F3A50YR1DA Y	19.41	19.64	0.0001	87.50	87.00	66081
NRU2650	F3A50YR1DA Y	19.54	20.08	0.0001	75.95	74.51	90411
NRU2670	F3A50YR1DA Y	16.64	17.14	0.0000	42.18	39.98	18942
NRU2690	F3A50YR1DA Y	17.09	18.01	0.0000	264.53	118.03	527235
NSH02	F3A50YR1DA Y	0.00	21.30	-0.0004	20.20	97.59	19153
NSH03	F3A50YR1DA Y	0.00	19.24	-0.0227	5.26	12.94	767
NSH04	F3A50YR1DA Y	0.00	17.47	0.0000	51.73	50.41	4607
NSH05	F3A50YR1DA Y	0.00	10.72	-0.0001	789.45	791.90	5036
NSH07	F3A50YR1DA Y	0.00	8.48	0.0001	66.70	67.81	10295
NSH08	F3A50YR1DA Y	0.00	9.83	0.0000	28.35	26.52	1886
NSH09	F3A50YR1DA Y	0.00	10.71	0.0000	73.26	73.08	16312
NSH10	F3A50YR1DA Y	0.00	19.15	0.0000	32.59	31.78	33203
NSH11	F3A50YR1DA Y	0.00	21.14	0.0000	11.50	11.43	6788
NSH12	F3A50YR1DA Y	0.00	10.60	0.0000	794.16	797.76	4118
NSH13	F3A50YR1DA Y	0.00	10.48	0.0011	809.52	827.59	4600
NSH14	F3A50YR1DA Y	0.00	10.35	-0.0012	1020.62	1009.04	1911
NSH15	F3A50YR1DA Y	0.00	18.75	0.0000	8.22	8.16	6222
NSH16	F3A50YR1DA Y	0.00	10.63	0.0003	47.19	48.55	637
NSH17	F3A50YR1DA	0.00	10.10	-0.0011	1009.70	1009.25	2161

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NSH18	F3A50YR1DA Y	0.00	9.91	0.0013	1038.21	877.21	3005
NSH19	F3A50YR1DA Y	0.00	8.85	0.0006	878.48	866.96	5396
NSH20	F3A50YR1DA Y	0.00	20.23	0.0000	5.32	5.15	12618
NSH21	F3A50YR1DA Y	0.00	11.20	-0.0001	21.02	20.95	10642
NSH22	F3A50YR1DA Y	0.00	14.32	0.0001	42.91	42.00	8329
NSH23	F3A50YR1DA Y	0.00	18.42	0.0000	18.11	17.89	4883
NSH24	F3A50YR1DA Y	0.00	14.32	0.0001	29.04	28.30	8395
NSH25	F3A50YR1DA Y	0.00	14.08	-0.0001	25.39	23.44	12275
NSH26	F3A50YR1DA Y	0.00	13.89	-0.0001	100.43	91.10	56838
NSH26A	F3A50YR1DA Y	0.00	12.83	0.0001	47.19	47.19	2057
NSH27	F3A50YR1DA Y	0.00	12.97	0.0000	20.39	14.57	37471
NSH27A	F3A50YR1DA Y	0.00	12.89	0.0000	17.97	16.50	921
NSH27AA	F3A50YR1DA Y	0.00	12.93	0.0001	11.69	12.06	561
NSH27B	F3A50YR1DA Y	0.00	11.58	-0.0001	16.50	17.93	1033
NSH27C	F3A50YR1DA Y	0.00	9.33	-0.0002	17.93	16.64	1036
NSH28	F3A50YR1DA Y	0.00	9.85	0.0000	33.11	32.28	10175
NSH29	F3A50YR1DA Y	0.00	9.55	-0.0001	16.25	13.42	5448
NSH31	F3A50YR1DA Y	0.00	9.82	0.0001	8.24	5.44	480
NSH33	F3A50YR1DA Y	0.00	16.62	0.0000	3.49	3.41	4999
NSH34	F3A50YR1DA Y	0.00	9.42	0.0001	67.61	67.57	5971
NSH35	F3A50YR1DA Y	0.00	8.06	0.0001	70.73	70.70	4431
NSH36	F3A50YR1DA Y	0.00	8.02	0.0002	22.84	21.90	805
NSH37	F3A50YR1DA Y	0.00	10.45	0.0012	833.07	1019.83	2110

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSH41	F3A50YR1DA Y	0.00	14.70	0.0000	6.51	6.49	466
NSH42	F3A50YR1DA Y	0.00	6.59	0.0002	82.64	82.60	447
NSH43	F3A50YR1DA Y	0.00	6.77	-0.0005	48.37	48.36	507
NSH44	F3A50YR1DA Y	0.00	9.70	0.0001	48.00	48.00	670
NSH45	F3A50YR1DA Y	0.00	16.49	0.0000	47.79	46.82	26973
NSH48	F3A50YR1DA Y	0.00	18.42	0.0000	22.35	22.19	5312
NSH49	F3A50YR1DA Y	0.00	19.73	0.0000	21.80	21.50	473
NSH50	F3A50YR1DA Y	0.00	16.82	-0.0011	722.39	722.48	6021
NSH51	F3A50YR1DA Y	0.00	18.57	0.0000	47.24	46.33	1461
NSH52	F3A50YR1DA Y	0.00	17.09	-0.0012	718.17	718.31	4205
NSH53	F3A50YR1DA Y	0.00	17.44	0.0002	60.94	60.36	1030
NSH53B	F3A50YR1DA Y	0.00	17.23	-0.0003	37.17	36.03	448
NSH54	F3A50YR1DA Y	0.00	17.46	0.0001	36.25	33.93	1255
NSH55	F3A50YR1DA Y	0.00	17.74	0.0005	698.56	698.62	5311
NSH55B	F3A50YR1DA Y	0.00	17.77	0.0001	14.26	13.05	447
NSH56	F3A50YR1DA Y	0.00	18.42	0.0001	8.46	8.61	2145
NSH57	F3A50YR1DA Y	0.00	18.89	-0.0001	14.05	13.05	4330
NSH60	F3A50YR1DA Y	0.00	19.50	-0.0001	21.59	21.55	436
NSH61	F3A50YR1DA Y	0.00	16.88	0.0000	21.55	21.70	451
NSH65	F3A50YR1DA Y	0.00	20.84	0.0000	5.12	4.82	470
NSH71	F3A50YR1DA Y	9999.00	17.42	0.0000	23.82	23.75	2456
NSH75	F3A50YR1DA Y	0.00	7.17	-0.0022	885.50	885.25	4066
NSH76	F3A50YR1DA Y	0.00	5.89	-0.0050	861.67	861.65	2030
NSH80	F3A50YR1DA	0.00	16.31	0.0012	738.47	738.71	6657

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NSH81	F3A50YR1DA Y	0.00	20.80	0.0000	0.60	0.04	2600
NSH82	F3A50YR1DA Y	0.00	20.90	0.0000	3.10	2.37	7050
NSH83	F3A50YR1DA Y	0.00	16.49	-0.0001	25.56	25.49	1486
NSH85	F3A50YR1DA Y	0.00	16.15	-0.0013	741.37	741.32	4681
NSHSelmonD S	F3A50YR1DA Y	9999.00	11.87	0.0002	787.95	788.22	6356
NSHSelmonU S	F3A50YR1DA Y	9999.00	14.95	0.0003	757.85	757.85	3189
NSR0000	F3A50YR1DA Y	2.00	2.00	0.0000	314.80	0.00	0
NSR0005	F3A50YR1DA Y	2.00	2.00	0.0000	10.05	0.00	0
NSR0010	F3A50YR1DA Y	2.00	2.00	0.0000	521.74	0.00	0
NSR0030	F3A50YR1DA Y	2.92	3.72	0.0000	529.24	521.74	221714
NSR0032	F3A50YR1DA Y	4.88	5.37	0.0000	18.91	16.28	25235
NSR0034	F3A50YR1DA Y	3.63	4.20	0.0000	103.77	89.11	85156
NSR0050	F3A50YR1DA Y	3.44	4.38	0.0000	501.46	500.82	118593
NSR0070	F3A50YR1DA Y	3.45	4.24	-0.0001	33.72	19.91	66090
NSR0090	F3A50YR1DA Y	3.68	4.21	-0.0001	51.59	40.67	46946
NSR0100	F3A50YR1DA Y	2.25	3.62	0.0000	10.20	10.05	524
NSR0102	F3A50YR1DA Y	4.24	4.57	0.0000	5.58	5.00	3780
NSR0105	F3A50YR1DA Y	1.91	3.01	0.0369	314.83	314.80	484
NSR0110	F3A50YR1DA Y	3.93	4.62	0.0000	46.33	46.07	30332
NSR0112	F3A50YR1DA Y	2.31	3.46	-0.0480	313.86	313.88	469
NSR0115	F3A50YR1DA Y	4.25	4.43	0.0000	5.11	4.83	9736
NSR0120	F3A50YR1DA Y	2.62	3.81	0.0697	311.60	311.64	479
NSR0130	F3A50YR1DA Y	4.16	5.05	0.0000	44.32	44.07	41207

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0135	F3A50YR1DA Y	4.22	5.50	0.0000	37.68	37.57	29702
NSR0140	F3A50YR1DA Y	3.28	4.58	-0.0161	309.24	309.28	2025
NSR0150	F3A50YR1DA Y	3.64	4.80	0.0003	426.46	427.43	29727
NSR0160	F3A50YR1DA Y	3.56	4.88	0.0090	298.65	299.01	20304
NSR0165	F3A50YR1DA Y	4.03	5.54	0.0000	84.88	84.69	34109
NSR0170	F3A50YR1DA Y	3.70	5.19	0.0000	51.21	51.19	16849
NSR0180	F3A50YR1DA Y	3.83	5.33	0.0000	89.91	89.71	38782
NSR0190	F3A50YR1DA Y	4.04	5.04	0.0011	57.73	58.18	5113
NSR0210	F3A50YR1DA Y	4.26	5.75	-0.0007	58.30	57.46	20922
NSR0230	F3A50YR1DA Y	4.26	5.75	-0.0001	75.77	57.72	145646
NSR0250	F3A50YR1DA Y	3.93	5.00	0.0050	394.18	394.33	12764
NSR0270	F3A50YR1DA Y	3.98	5.07	0.0000	164.91	159.95	87084
NSR0280	F3A50YR1DA Y	5.41	6.06	0.0005	320.89	320.51	46091
NSR0281	F3A50YR1DA Y	5.97	6.75	0.0004	276.28	275.94	21982
NSR0290	F3A50YR1DA Y	6.70	7.16	0.0005	169.90	168.57	43948
NSR0310	F3A50YR1DA Y	9.28	9.53	-0.0001	147.43	146.07	74370
NSR0330	F3A50YR1DA Y	9.65	10.21	0.0001	9.52	9.53	470
NSR0350	F3A50YR1DA Y	10.32	11.51	-0.0001	9.51	9.52	446
NSR0370	F3A50YR1DA Y	10.35	11.53	0.0000	16.78	9.51	19601
NSR0390	F3A50YR1DA Y	11.96	12.37	-0.0001	106.08	105.38	78781
NSR0410	F3A50YR1DA Y	12.27	13.10	0.0001	9.45	10.04	510
NSR0430	F3A50YR1DA Y	12.28	13.12	0.0000	13.83	9.45	31949
NSR0450	F3A50YR1DA Y	13.04	14.14	-0.0001	65.35	65.03	39404
NSR0470	F3A50YR1DA	13.10	14.59	-0.0002	49.31	49.27	16200

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NSR0490	F3A50YR1DA Y	4.41	5.19	0.0051	215.55	211.59	38321
NSR0510	F3A50YR1DA Y	4.48	5.40	0.0009	117.24	116.46	24437
NSR0530	F3A50YR1DA Y	4.55	5.54	0.0002	38.74	37.66	68809
NSR0540	F3A50YR1DA Y	4.55	5.60	0.0003	144.54	141.98	111984
NSR0550	F3A50YR1DA Y	4.56	5.61	-0.0018	384.08	383.69	32815
NSR0560	F3A50YR1DA Y	4.66	5.66	0.0002	176.16	174.94	114696
NSR0570	F3A50YR1DA Y	5.28	5.84	0.0001	234.50	234.12	62738
NSR0580	F3A50YR1DA Y	6.13	6.81	-0.0001	33.15	20.08	117975
NSR0590	F3A50YR1DA Y	6.15	6.83	-0.0001	130.36	129.15	77076
NSR0610	F3A50YR1DA Y	6.26	6.88	-0.0002	146.12	138.10	81127
NSR0630	F3A50YR1DA Y	6.26	6.88	-0.0001	16.77	16.83	475
NSR0650	F3A50YR1DA Y	6.25	6.85	-0.0001	134.54	100.42	214634
NSR0660	F3A50YR1DA Y	6.13	6.80	-0.0001	87.76	85.32	77797
NSR0670	F3A50YR1DA Y	6.24	6.84	-0.0001	6.63	7.21	520
NSR0680	F3A50YR1DA Y	6.14	6.74	-0.0001	113.60	111.85	167268
NSR0690	F3A50YR1DA Y	6.24	6.84	-0.0001	6.30	6.63	599
NSR0710	F3A50YR1DA Y	6.23	6.83	0.0000	6.24	6.30	861
NSR0730	F3A50YR1DA Y	6.29	6.91	-0.0001	199.67	170.17	201712
NSR0770	F3A50YR1DA Y	6.81	7.78	0.0001	186.24	185.07	29590
NSR0780	F3A50YR1DA Y	6.74	7.35	-0.0001	75.78	74.76	30049
NSR0790	F3A50YR1DA Y	8.35	10.83	0.0002	442.30	429.42	89287
NSR0791	F3A50YR1DA Y	7.13	8.74	0.0001	250.43	250.37	5596
NSR0809	F3A50YR1DA Y	12.76	11.90	-0.0004	75.92	93.30	2122

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0810	F3A50YR1DA Y	13.45	13.72	0.0000	278.53	278.42	60533
NSR0830	F3A50YR1DA Y	15.10	15.57	-0.0001	347.21	344.90	164871
NSR0840	F3A50YR1DA Y	16.09	16.35	0.0000	68.18	68.06	53527
NSR0850	F3A50YR1DA Y	15.64	16.25	-0.0003	278.33	277.39	82331
NSR0860	F3A50YR1DA Y	16.41	16.54	0.0000	13.37	13.40	17242
NSR0869	F3A50YR1DA Y	16.03	16.64	0.0001	30.19	29.94	1504
NSR0870	F3A50YR1DA Y	16.24	16.85	0.0001	231.24	230.98	50619
NSR0880	F3A50YR1DA Y	16.24	16.88	0.0001	99.03	98.71	25174
NSR0881	F3A50YR1DA Y	14.14	17.93	0.0005	399.76	397.02	195298
NSR0890	F3A50YR1DA Y	4.02	5.03	-0.0874	279.19	332.32	113711
NSR0910	F3A50YR1DA Y	4.79	5.76	-0.0038	219.51	220.99	88392
NSR0930	F3A50YR1DA Y	5.54	7.10	0.0000	271.93	51.27	335560
NSR0950	F3A50YR1DA Y	5.63	7.10	-0.0006	397.89	377.73	182624
NSR0970	F3A50YR1DA Y	6.14	7.16	-0.0003	141.51	141.42	3616
NSR0990	F3A50YR1DA Y	6.27	7.18	-0.0002	258.07	257.22	4498
NSR1010	F3A50YR1DA Y	6.30	7.20	0.0000	62.13	59.68	19641
NSR1030	F3A50YR1DA Y	8.54	9.42	0.0002	200.18	199.65	10032
NSR1050	F3A50YR1DA Y	8.56	9.50	0.0000	136.16	133.49	30847
NSR1070	F3A50YR1DA Y	9.58	9.84	-0.0014	284.99	280.79	74570
NSR1090	F3A50YR1DA Y	11.30	11.50	0.0002	168.04	168.06	8672
NSR1110	F3A50YR1DA Y	11.57	11.60	0.0000	3.98	3.96	3049
NSR1130	F3A50YR1DA Y	11.29	11.43	0.0000	42.96	42.92	16199
NSR1150	F3A50YR1DA Y	11.39	11.65	0.0000	9.63	8.45	12839
NSR1170	F3A50YR1DA	11.38	11.63	0.0000	3.84	3.14	450

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NSR1190	F3A50YR1DA Y	12.70	13.40	0.0000	167.34	167.34	14292
NSR1210	F3A50YR1DA Y	12.70	13.40	0.0000	33.85	6.60	93580
NSR1230	F3A50YR1DA Y	14.76	15.53	0.0000	163.98	163.97	9742
NSR1270	F3A50YR1DA Y	14.99	15.72	0.0000	164.00	163.98	6276
NSR1290	F3A50YR1DA Y	14.99	15.72	0.0000	12.36	2.32	27237
NSR1310	F3A50YR1DA Y	14.99	15.72	0.0000	42.09	13.14	167829
NSR1330	F3A50YR1DA Y	15.44	16.48	0.0000	162.25	161.50	23681
NSR1350	F3A50YR1DA Y	15.45	16.50	0.0000	52.63	29.69	340090
NSR1370	F3A50YR1DA Y	15.56	16.57	0.0001	167.44	159.00	21929
NSR1390	F3A50YR1DA Y	15.56	16.57	0.0000	5.59	2.94	8158
NSR1410	F3A50YR1DA Y	15.56	16.57	0.0001	36.37	32.13	88922
NSR1430	F3A50YR1DA Y	15.76	16.67	0.0000	65.95	61.34	59685
NSR1450	F3A50YR1DA Y	15.74	16.66	0.0000	99.94	63.25	160579
NSR1470	F3A50YR1DA Y	15.96	16.68	0.0000	66.09	60.81	83042
NSR1490	F3A50YR1DA Y	16.21	16.71	0.0000	82.05	59.08	229676
NSR1510	F3A50YR1DA Y	16.21	16.71	0.0000	48.00	41.61	61090
NSR1530	F3A50YR1DA Y	15.56	16.57	0.0000	8.36	3.97	24419
NSR1550	F3A50YR1DA Y	15.68	16.65	0.0001	181.43	174.41	34725
NSR1570	F3A50YR1DA Y	15.68	16.65	-0.0001	34.36	25.45	20592
NSR1590	F3A50YR1DA Y	15.68	16.65	-0.0001	71.80	78.66	55609
NSR1610	F3A50YR1DA Y	15.75	16.70	0.0002	31.07	21.29	57747
NSR1630	F3A50YR1DA Y	15.75	16.70	0.0000	111.55	106.98	21008
NSR1650	F3A50YR1DA Y	16.39	17.12	0.0000	4.70	4.70	503

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR1670	F3A50YR1DA Y	15.92	17.30	0.0003	131.02	118.39	89465
NSR1690	F3A50YR1DA Y	16.24	17.47	0.0000	93.87	90.38	23665
NSR1710	F3A50YR1DA Y	16.25	17.47	0.0000	11.96	10.55	37215
NSR1730	F3A50YR1DA Y	16.32	17.51	0.0000	97.47	92.92	20063
NSR1750	F3A50YR1DA Y	16.68	17.51	0.0000	4.95	4.95	4151
NSR1770	F3A50YR1DA Y	17.23	17.55	0.0000	27.40	14.30	23739
NSR1790	F3A50YR1DA Y	17.24	17.55	0.0000	33.67	16.32	41091
NSR1810	F3A50YR1DA Y	17.25	17.55	0.0000	11.22	8.62	18499
NSR1830	F3A50YR1DA Y	17.25	17.54	0.0000	102.63	99.51	120809
NSR1850	F3A50YR1DA Y	16.95	18.24	0.0000	15.71	12.03	14116
NSR1870	F3A50YR1DA Y	16.93	18.25	0.0001	100.26	36.38	179361
NSR1890	F3A50YR1DA Y	16.05	18.25	0.0001	13.38	13.87	1056
NSR1910	F3A50YR1DA Y	15.45	18.25	0.0005	166.78	158.90	171251
NSR1930	F3A50YR1DA Y	16.53	17.59	0.0002	71.06	69.48	12956
NSR1950	F3A50YR1DA Y	16.70	17.55	0.0000	27.04	27.16	15430
NSR1970	F3A50YR1DA Y	16.84	18.00	0.0000	46.43	30.35	101489
NSR1990	F3A50YR1DA Y	16.86	17.83	0.0000	9.16	8.89	949
NSR2010	F3A50YR1DA Y	16.91	17.68	-0.0001	23.95	12.06	57260
NSR2030	F3A50YR1DA Y	16.90	17.52	-0.0001	12.06	12.08	751
NSR2050	F3A50YR1DA Y	16.88	17.28	0.0000	24.45	21.96	32865
NSR2070	F3A50YR1DA Y	16.81	17.28	-0.0001	6.60	6.51	781
NSR2090	F3A50YR1DA Y	16.72	17.27	0.0000	6.51	6.43	673
NSR2110	F3A50YR1DA Y	16.54	17.26	0.0000	25.56	23.13	39808
NSR2130	F3A50YR1DA	16.50	16.61	0.0000	24.39	21.57	89433

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
NSR2150	F3A50YR1DA Y	17.60	18.08	0.0000	96.70	61.88	276328
NSR2170	F3A50YR1DA Y	17.62	18.09	0.0009	29.15	29.28	2087
NSR2190	F3A50YR1DA Y	17.62	18.09	-0.0025	29.02	29.15	967
NSR2210	F3A50YR1DA Y	17.62	18.10	0.0000	97.92	71.23	237874
NSR2230	F3A50YR1DA Y	17.62	18.10	0.0006	19.68	19.31	675
NSR2250	F3A50YR1DA Y	17.63	18.10	0.0001	25.61	20.37	15042
NSR2270	F3A50YR1DA Y	17.63	18.10	0.0001	32.76	22.30	43316
NSR2290	F3A50YR1DA Y	17.63	18.10	0.0002	18.71	18.47	888
NSR2310	F3A50YR1DA Y	17.63	18.10	0.0000	25.35	19.33	34885
NSR2330	F3A50YR1DA Y	17.65	18.33	0.0000	28.44	11.80	55217
NSR2350	F3A50YR1DA Y	17.65	18.33	0.0000	35.91	15.04	99984
NSR2370	F3A50YR1DA Y	16.66	17.92	0.0000	56.76	51.51	9676
NSR2390	F3A50YR1DA Y	18.07	18.14	0.0000	19.52	14.33	71658
NSR2410	F3A50YR1DA Y	16.66	17.92	0.0000	63.00	42.81	22485
NSR2430	F3A50YR1DA Y	17.99	18.02	0.0000	4.32	4.30	3774
NSR2450	F3A50YR1DA Y	18.06	18.27	0.0000	58.02	56.13	30169
NSR3000	F3A50YR1DA Y	17.04	18.25	-0.0727	17.51	49.45	55689
NSR3005	F3A50YR1DA Y	17.02	18.25	0.1453	49.45	4.09	566
NSR3020	F3A50YR1DA Y	17.61	18.04	-0.0001	166.82	166.31	109391
NSR3040	F3A50YR1DA Y	16.25	16.89	0.0000	197.80	194.75	129111
NSR3060	F3A50YR1DA Y	16.21	16.71	0.0000	50.29	49.14	67339
NSW0010	F3A50YR1DA Y	2.00	2.00	0.0000	32.65	0.00	0
NSW0030	F3A50YR1DA Y	2.13	3.39	0.0003	32.65	32.65	587

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSW0050	F3A50YR1DA Y	4.04	6.26	-0.0003	51.05	32.65	42930
Outfall	F3A50YR1DA Y	2.00	2.00	0.0000	125.15	0.00	0
Outfall_NE	F3A50YR1DA Y	21.00	21.03	0.0004	8.78	0.00	0
PondA	F3A50YR1DA Y	0.00	19.05	0.0294	34.53	23.82	28987
PondB	F3A50YR1DA Y	0.00	17.42	0.0000	191.20	128.60	174626
SH_OUTFALL	F3A50YR1DA Y	2.00	2.00	0.0000	1153.26	3.37	0
STORAGE1	F3A50YR1DA Y	0.00	20.76	0.0000	6.97	1.34	7405
STORAGE10	F3A50YR1DA Y	0.00	20.83	0.0000	4.82	0.34	9148
STORAGE11	F3A50YR1DA Y	0.00	21.30	0.0003	97.59	0.01	18648
STORAGE12	F3A50YR1DA Y	0.00	21.60	0.0005	107.00	5.91	10262
STORAGE13	F3A50YR1DA Y	0.00	18.76	0.0000	1.44	1.25	5323
STORAGE14	F3A50YR1DA Y	0.00	23.03	0.0000	7.18	0.03	13395
STORAGE2	F3A50YR1DA Y	0.00	19.13	0.0001	22.17	7.28	18426
STORAGE4	F3A50YR1DA Y	0.00	19.42	0.0003	89.84	3.29	12088
STORAGE5	F3A50YR1DA Y	0.00	21.47	0.0000	14.26	6.47	20042
STORAGE8	F3A50YR1DA Y	0.00	18.56	0.0000	3.11	2.33	6098
STORAGE9	F3A50YR1DA Y	0.00	19.50	0.0008	8.99	1.76	11761
Sevilla1	F3A50YR1DA Y	1.20	2.48	0.0000	0.28	0.10	804
Sevilla2	F3A50YR1DA Y	1.23	2.29	0.0000	0.13	0.06	610
Sevilla3	F3A50YR1DA Y	1.20	2.48	0.0000	0.73	0.28	1339
Sevilla4	F3A50YR1DA Y	1.20	2.48	0.0000	1.21	0.73	1450
Shamrock2	F3A50YR1DA Y	1.11	2.29	0.0001	125.15	125.15	5389
Shmrck1.1	F3A50YR1DA Y	1.38	2.78	-0.0003	126.16	125.34	6206
Shmrck1.2	F3A50YR1DA	1.20	2.48	-0.0002	125.34	125.21	3971

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	Y						
THEA_JUNCT 1	F3A50YR1DAY	0.00	14.73	0.0000	36.29	36.28	667
THEA_JUNCT 2	F3A50YR1DAY	0.00	13.73	0.0000	36.28	36.28	501
THEA_Watrous	F3A50YR1DAY	0.00	16.66	0.0002	36.32	36.29	812
V3	F3A50YR1DAY	6.53	6.60	0.0000	1.04	0.89	36741
BC_N02	F3A5YR1DAY	0.00	18.00	0.0000	0.00	0.00	0
Church1	F3A5YR1DAY	8.77	8.73	0.0000	0.05	0.01	497
Church2	F3A5YR1DAY	8.77	8.74	0.0000	4.57	3.87	4390
Clark1	F3A5YR1DAY	7.21	7.33	0.0000	0.62	0.28	742
Clark2	F3A5YR1DAY	7.21	7.33	0.0000	47.03	47.01	4366
DM1	F3A5YR1DAY	11.42	11.59	0.0000	4.46	4.58	1384
DM2	F3A5YR1DAY	10.30	10.36	0.0000	4.58	4.36	2114
DM3	F3A5YR1DAY	9.16	9.27	0.0000	4.36	4.57	2979
E_Outlet	F3A5YR1DAY	0.00	16.19	0.0005	67.24	33.40	0
E_Outlet2	F3A5YR1DAY	0.00	17.00	0.0000	0.00	0.00	0
EIP_Hes.1	F3A5YR1DAY	1.99	2.39	0.0000	0.34	0.27	763
EIP_con.1	F3A5YR1DAY	2.18	2.49	-0.0001	46.86	46.85	4221
EIPrad.1	F3A5YR1DAY	1.99	2.39	0.0000	0.16	0.10	630
G1	F3A5YR1DAY	14.98	15.22	-0.0005	63.84	48.83	35845
G10	F3A5YR1DAY	8.77	8.72	0.0000	47.05	47.03	4573
G2	F3A5YR1DAY	14.99	15.22	-0.0002	15.24	14.16	32915
G3	F3A5YR1DAY	14.86	15.16	-0.0005	62.98	53.32	27825
G4	F3A5YR1DAY	12.82	13.77	-0.0001	53.32	53.31	2076
G5	F3A5YR1DAY	11.69	12.10	0.0001	53.31	53.31	1864
G6	F3A5YR1DAY	11.00	9.24	0.0000	8.10	0.00	0
G7	F3A5YR1DAY	11.00	11.03	0.0000	53.31	53.29	3601
G8	F3A5YR1DAY	10.07	10.16	0.0000	45.19	45.18	2143
G9	F3A5YR1DAY	9.41	9.58	0.0001	45.18	45.18	1353
H1	F3A5YR1DAY	1.99	2.39	0.0000	0.12	0.11	514
H2.1	F3A5YR1DAY	1.99	2.39	0.0001	46.85	46.85	6105
Hubert	F3A5YR1DAY	3.16	3.22	0.0000	47.00	46.95	5965
JUNCT1	F3A5YR1DAY	0.00	13.74	0.0000	0.40	0.34	1016
JUNCT10	F3A5YR1DAY	0.00	21.97	0.0000	40.47	40.34	10021
JUNCT2	F3A5YR1DAY	0.00	13.79	0.0000	3.39	3.35	1393
JUNCT3	F3A5YR1DAY	0.00	19.64	0.0000	0.00	0.00	436
JUNCT4	F3A5YR1DAY	0.00	13.59	0.0000	1.83	1.79	4202
JUNCT6	F3A5YR1DAY	0.00	15.17	0.0000	16.74	16.70	2867
JUNCT7	F3A5YR1DAY	0.00	19.33	0.0000	59.94	59.97	8386
JUNCT7B	F3A5YR1DAY	0.00	18.87	0.0000	60.23	60.01	24060
JUNCT8	F3A5YR1DAY	0.00	19.35	0.0000	102.10	102.15	11632
JUNCT8B	F3A5YR1DAY	0.00	18.87	0.0000	100.44	100.09	38667
JUNCT9	F3A5YR1DAY	0.00	29.44	0.0000	34.75	34.75	9169
L1	F3A5YR1DAY	11.53	11.53	0.0000	0.00	0.00	436

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
L2	F3A5YR1DAY	11.63	11.63	0.0000	0.00	0.00	436
L3	F3A5YR1DAY	10.43	10.43	0.0000	0.00	0.00	436
L4	F3A5YR1DAY	8.43	8.43	0.0000	0.00	0.00	436
L5	F3A5YR1DAY	7.63	7.63	0.0000	0.00	0.00	436
L6	F3A5YR1DAY	6.93	6.93	0.0000	0.00	0.00	436
Lois	F3A5YR1DAY	4.82	4.73	0.0000	47.00	47.00	6808
M1	F3A5YR1DAY	2.58	2.74	0.0000	0.18	0.04	718
M1.1	F3A5YR1DAY	6.33	6.33	0.0000	0.00	0.00	436
M1.2	F3A5YR1DAY	7.03	7.03	0.0000	0.00	0.00	436
M1.3	F3A5YR1DAY	7.13	7.13	0.0000	0.00	0.00	436
M2	F3A5YR1DAY	2.58	2.75	0.0000	0.52	0.23	1056
M3	F3A5YR1DAY	2.58	2.75	0.0000	0.71	0.54	1177
M4	F3A5YR1DAY	2.58	2.75	0.0000	1.08	0.89	908
M5.1	F3A5YR1DAY	2.57	2.75	0.0000	46.95	46.90	6162
M6	F3A5YR1DAY	2.58	2.75	0.0000	0.34	0.22	558
N01	F3A5YR1DAY	0.00	19.25	0.0000	19.84	13.82	19652
N01A	F3A5YR1DAY	0.00	18.80	-0.0001	9.25	9.08	456
N02	F3A5YR1DAY	0.00	14.40	0.0001	16.59	16.57	691
N03	F3A5YR1DAY	0.00	16.36	0.0000	0.86	0.84	586
N04	F3A5YR1DAY	0.00	17.62	0.0000	4.79	4.78	564
N05	F3A5YR1DAY	0.00	14.38	0.0000	55.92	54.94	4411
N06	F3A5YR1DAY	0.00	13.60	0.0002	60.31	61.04	3292
N07A	F3A5YR1DAY	0.00	12.40	-0.0002	68.07	68.40	4248
N08A	F3A5YR1DAY	0.00	11.28	0.0002	92.17	92.31	1954
N09	F3A5YR1DAY	0.00	10.01	0.0000	7.78	7.97	467
N09A	F3A5YR1DAY	0.00	9.93	-0.0001	98.23	98.30	1361
N10	F3A5YR1DAY	2.00	2.00	0.0000	183.65	0.00	0
N11	F3A5YR1DAY	0.00	16.33	-0.0006	55.70	67.24	99248
NBB0010	F3A5YR1DAY	2.00	2.00	0.0000	119.38	0.00	0
NBB0030	F3A5YR1DAY	5.03	6.19	-0.0003	119.38	119.38	557
NBB0050	F3A5YR1DAY	9.15	10.39	-0.0001	131.51	119.38	20713
NBB0070	F3A5YR1DAY	11.30	12.41	0.0001	109.43	108.78	2549
NBB0090	F3A5YR1DAY	12.67	13.49	0.0001	93.27	93.92	1994
NBB0110	F3A5YR1DAY	13.46	14.20	0.0001	90.93	91.29	1981
NBB0130	F3A5YR1DAY	15.26	16.04	-0.0002	32.65	26.78	27495
NBB0150	F3A5YR1DAY	14.01	14.68	0.0001	70.34	70.57	1936
NBB0170	F3A5YR1DAY	14.74	15.31	0.0001	70.11	70.34	1452
NBB0190	F3A5YR1DAY	15.42	15.89	0.0001	69.88	70.11	5800
NBB0210	F3A5YR1DAY	15.70	16.15	0.0001	67.51	67.73	1556
NBB0230	F3A5YR1DAY	16.02	16.45	0.0001	67.30	67.51	1635
NBB0250	F3A5YR1DAY	16.31	16.70	0.0001	66.48	66.67	2036
NBB0270	F3A5YR1DAY	17.05	17.15	0.0001	66.17	66.48	5933
NBB0290	F3A5YR1DAY	17.06	17.16	0.0002	57.04	54.02	1258
NBB0310	F3A5YR1DAY	17.07	17.16	-0.0002	145.55	98.35	275510
NBB0330	F3A5YR1DAY	16.57	16.63	0.0002	34.83	34.48	7804
NBB0350	F3A5YR1DAY	16.45	16.54	0.0002	25.12	26.34	1396
NBB0370	F3A5YR1DAY	16.33	16.45	0.0002	56.39	48.02	45615

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBB0390	F3A5YR1DAY	16.32	16.45	0.0002	19.89	20.90	1838
NBB0410	F3A5YR1DAY	16.30	16.43	-0.0002	53.83	49.83	33345
NBB0430	F3A5YR1DAY	15.45	15.50	-0.0002	67.94	73.55	67343
NBW0010	F3A5YR1DAY	2.00	2.00	0.0000	583.71	0.00	0
NBW0030	F3A5YR1DAY	3.39	3.49	0.0000	583.79	583.71	39746
NBW0050	F3A5YR1DAY	3.92	3.88	0.0000	8.12	5.75	5127
NBW0070	F3A5YR1DAY	3.57	3.69	0.0000	183.35	183.86	27928
NBW0090	F3A5YR1DAY	3.66	3.71	0.0000	5.59	4.31	7430
NBW0130	F3A5YR1DAY	3.73	3.86	0.0000	180.64	180.89	14253
NBW0150	F3A5YR1DAY	3.93	3.91	0.0001	9.25	8.88	442
NBW0170	F3A5YR1DAY	3.98	3.92	0.0001	4.22	3.82	3569
NBW0190	F3A5YR1DAY	3.89	4.01	0.0001	178.15	178.32	5848
NBW0210	F3A5YR1DAY	6.25	6.28	0.0000	7.32	7.17	5421
NBW0230	F3A5YR1DAY	4.01	4.14	0.0001	176.94	177.02	2949
NBW0250	F3A5YR1DAY	4.88	5.03	0.0000	175.82	175.85	5420
NBW0270	F3A5YR1DAY	5.49	5.42	0.0001	32.26	28.82	15998
NBW0290	F3A5YR1DAY	5.91	5.87	0.0000	25.19	24.67	12578
NBW0310	F3A5YR1DAY	6.38	6.26	0.0000	8.49	8.44	743
NBW0330	F3A5YR1DAY	5.50	5.71	0.0000	168.92	169.11	21547
NBW0350	F3A5YR1DAY	4.97	4.95	0.0000	6.85	6.84	2493
NBW0370	F3A5YR1DAY	5.52	5.72	-0.0001	9.65	8.77	2134
NBW0390	F3A5YR1DAY	5.52	5.72	-0.0001	8.41	7.75	11132
NBW0410	F3A5YR1DAY	5.54	5.76	-0.0002	163.67	163.92	3446
NBW0430	F3A5YR1DAY	5.89	6.10	-0.0001	4.86	3.92	2134
NBW0450	F3A5YR1DAY	5.89	6.09	0.0001	164.41	163.67	10790
NBW0470	F3A5YR1DAY	5.89	6.10	-0.0001	3.54	2.62	1270
NBW0490	F3A5YR1DAY	5.92	6.13	-0.0002	162.38	162.73	2741
NBW0510	F3A5YR1DAY	6.72	6.60	0.0000	2.68	2.67	1662
NBW0530	F3A5YR1DAY	6.22	6.46	0.0000	162.09	161.98	4802
NBW0550	F3A5YR1DAY	6.72	6.97	0.0000	106.30	91.16	130862
NBW0570	F3A5YR1DAY	7.09	7.13	0.0000	113.14	112.72	7068
NBW0590	F3A5YR1DAY	10.03	9.95	-0.0003	142.61	141.42	79390
NBW0610	F3A5YR1DAY	6.45	6.67	-0.0001	144.24	144.22	7329
NBW0630	F3A5YR1DAY	6.22	6.46	0.0000	3.47	1.88	11158
NBW0650	F3A5YR1DAY	6.66	6.91	0.0000	145.22	144.20	20460
NBW0670	F3A5YR1DAY	6.66	6.91	0.0000	4.85	2.58	14710
NBW0690	F3A5YR1DAY	6.71	6.96	-0.0001	104.69	105.89	8968
NBW0710	F3A5YR1DAY	6.71	6.96	0.0000	12.02	9.72	20362
NBW0730	F3A5YR1DAY	6.72	6.96	-0.0001	104.40	101.03	132050
NBW0750	F3A5YR1DAY	7.06	7.18	0.0001	96.87	93.63	79937
NBW0770	F3A5YR1DAY	7.06	7.18	-0.0002	20.03	15.37	11867
NBW0790	F3A5YR1DAY	8.11	7.80	0.0000	17.05	16.75	874
NBW0810	F3A5YR1DAY	7.06	7.18	-0.0001	44.69	33.39	22643
NBW0830	F3A5YR1DAY	8.41	7.84	-0.0001	27.34	26.98	1328
NBW0850	F3A5YR1DAY	10.17	8.53	0.0001	25.20	24.81	756
NBW0870	F3A5YR1DAY	7.06	7.20	0.0001	45.38	44.50	85278
NBW0890	F3A5YR1DAY	7.06	7.18	0.0004	16.76	17.37	1027

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW0910	F3A5YR1DAY	7.06	7.18	-0.0001	68.64	68.80	89981
NBW0930	F3A5YR1DAY	8.03	7.45	-0.0001	36.98	36.62	1301
NBW0950	F3A5YR1DAY	8.82	7.82	-0.0001	39.86	36.98	23103
NBW0970	F3A5YR1DAY	8.82	7.83	0.0001	31.32	31.26	9326
NBW0990	F3A5YR1DAY	8.82	7.91	-0.0002	21.85	21.95	785
NBW1010	F3A5YR1DAY	8.83	8.45	0.0000	30.93	30.93	1189
NBW1030	F3A5YR1DAY	9.19	9.88	-0.0001	48.75	30.55	41632
NBW1050	F3A5YR1DAY	9.30	9.90	-0.0001	19.00	18.67	900
NBW1070	F3A5YR1DAY	9.34	9.91	-0.0001	85.24	74.79	58876
NBW1090	F3A5YR1DAY	3.78	3.88	0.0000	393.33	391.56	12131
NBW1130	F3A5YR1DAY	4.51	4.55	0.0000	18.02	12.84	15238
NBW1150	F3A5YR1DAY	4.53	4.56	0.0000	14.71	11.98	39590
NBW1169	F3A5YR1DAY	4.09	4.16	0.0000	380.67	379.16	16331
NBW1170	F3A5YR1DAY	4.30	4.39	0.0001	375.98	374.38	5966
NBW1190	F3A5YR1DAY	6.13	6.02	-0.0001	21.29	20.19	49030
NBW1210	F3A5YR1DAY	7.17	7.04	-0.0003	78.04	43.54	88139
NBW1230	F3A5YR1DAY	7.17	7.05	-0.0002	105.39	64.91	142385
NBW1250	F3A5YR1DAY	4.74	4.82	-0.0001	345.20	342.94	7384
NBW1270	F3A5YR1DAY	6.14	6.02	-0.0001	9.05	9.52	13939
NBW1310	F3A5YR1DAY	5.21	5.26	-0.0001	374.12	344.49	8354
NBW1330	F3A5YR1DAY	7.56	8.15	0.0013	305.72	332.17	3136
NBW1350	F3A5YR1DAY	10.95	11.52	0.0002	29.08	27.97	1224
NBW1351	F3A5YR1DAY	8.89	9.66	0.0004	259.15	258.88	8277
NBW1352	F3A5YR1DAY	9.96	10.87	0.0006	250.83	250.50	7956
NBW1353	F3A5YR1DAY	11.01	12.06	0.0005	252.47	243.38	8196
NBW1370	F3A5YR1DAY	10.02	10.43	0.0004	208.05	201.19	6358
NBW1390	F3A5YR1DAY	15.24	15.32	0.0004	231.65	228.97	121930
NBW1410	F3A5YR1DAY	15.58	15.60	0.0003	190.82	186.52	21636
NBW1430	F3A5YR1DAY	15.79	15.76	-0.0002	155.51	163.03	19772
NBW1450	F3A5YR1DAY	16.94	16.91	-0.0005	200.08	199.79	105528
NBW1460	F3A5YR1DAY	16.43	16.42	-0.0002	151.81	152.68	4273
NBW1470	F3A5YR1DAY	17.14	17.17	-0.0002	205.49	200.84	146525
NBW1480	F3A5YR1DAY	18.11	18.14	0.0001	10.10	8.32	15463
NBW1490	F3A5YR1DAY	17.86	17.94	-0.0001	131.54	128.43	56538
NBW1510	F3A5YR1DAY	18.12	18.17	0.0002	120.35	114.01	16753
NBW1530	F3A5YR1DAY	17.92	17.99	0.0001	17.09	12.54	1214
NBW1550	F3A5YR1DAY	17.75	17.82	0.0001	29.97	28.70	12398
NBW1570	F3A5YR1DAY	18.21	18.30	0.0002	119.04	111.07	2604
NBW1590	F3A5YR1DAY	18.12	18.17	0.0001	34.70	31.89	16172
NBW1610	F3A5YR1DAY	18.13	18.18	0.0001	30.17	29.43	6791
NBW1630	F3A5YR1DAY	18.13	18.17	0.0001	15.40	15.29	1757
NBW1650	F3A5YR1DAY	18.81	18.95	0.0001	13.27	11.78	7151
NBW1670	F3A5YR1DAY	18.89	19.01	0.0001	26.28	25.01	7526
NBW1690	F3A5YR1DAY	19.03	19.02	0.0001	16.07	15.33	8044
NBW1710	F3A5YR1DAY	19.26	19.02	0.0001	3.55	1.62	998
NBW1730	F3A5YR1DAY	18.65	18.87	0.0004	143.99	102.98	185871
NBW1750	F3A5YR1DAY	18.82	18.88	0.0001	103.32	102.25	25613

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW1770	F3A5YR1DAY	18.82	18.95	0.0001	93.26	83.23	68319
NBW1790	F3A5YR1DAY	18.91	19.00	0.0001	21.41	21.12	2554
NBW1820	F3A5YR1DAY	18.72	18.75	0.0000	45.85	30.26	84902
NBW1830	F3A5YR1DAY	18.74	18.89	0.0001	56.29	57.09	10803
NBW1840	F3A5YR1DAY	18.39	18.43	0.0000	71.30	61.66	83577
NBW1850	F3A5YR1DAY	18.74	18.89	0.0001	73.97	63.98	77599
NBW1860	F3A5YR1DAY	18.39	18.44	-0.0001	10.30	7.07	17107
NBW1870	F3A5YR1DAY	18.72	18.75	-0.0002	27.89	18.68	26762
NBW1890	F3A5YR1DAY	19.06	18.99	0.0001	32.70	33.86	2614
NBW1910	F3A5YR1DAY	19.27	19.06	0.0001	38.01	37.60	2099
NBW1930	F3A5YR1DAY	19.27	19.11	0.0001	33.90	33.23	3846
NBW1950	F3A5YR1DAY	18.97	18.97	0.0001	5.50	2.82	450
NBW1970	F3A5YR1DAY	18.96	18.98	0.0000	8.67	8.57	2710
NBW1990	F3A5YR1DAY	19.27	19.20	0.0001	42.07	39.58	45611
NBW2010	F3A5YR1DAY	19.65	19.39	0.0001	10.37	9.74	4482
NBW2030	F3A5YR1DAY	19.65	19.39	0.0001	9.83	9.10	11686
NBW2050	F3A5YR1DAY	19.26	19.29	0.0001	26.62	22.51	52306
NBW2060	F3A5YR1DAY	0.00	19.52	0.0000	15.26	13.04	26128
NBW2070	F3A5YR1DAY	19.26	19.29	0.0002	68.53	57.98	85507
NBW2090	F3A5YR1DAY	19.10	18.33	0.0002	70.60	61.08	2746
NBW2110	F3A5YR1DAY	18.92	17.11	0.0001	81.94	77.76	3678
NBW2130	F3A5YR1DAY	18.92	16.60	0.0002	82.80	81.19	1731
NBW2140	F3A5YR1DAY	20.00	17.02	0.0000	6.56	5.98	651
NBW2145	F3A5YR1DAY	0.00	18.05	0.0000	12.23	11.71	436
NBW2150	F3A5YR1DAY	19.26	19.55	0.0001	49.29	48.73	14240
NBW2170	F3A5YR1DAY	19.12	19.60	0.0002	12.98	4.14	920
NBW2190	F3A5YR1DAY	19.10	19.62	0.0002	6.90	4.51	4055
NBW2210	F3A5YR1DAY	19.47	19.63	0.0001	42.70	43.17	4865
NBW2230	F3A5YR1DAY	19.47	19.69	-0.0002	32.85	32.00	39966
NBW2250	F3A5YR1DAY	19.51	19.66	0.0001	33.37	33.83	2382
NBW2270	F3A5YR1DAY	19.57	19.69	0.0001	32.55	33.01	6646
NBW2290	F3A5YR1DAY	19.65	19.69	-0.0002	26.61	20.41	74326
NBW2310	F3A5YR1DAY	19.82	19.74	-0.0002	22.96	20.82	83305
NBW2330	F3A5YR1DAY	19.82	19.74	-0.0002	19.48	12.48	44997
NBW2350	F3A5YR1DAY	16.05	16.11	0.0001	62.78	62.34	31100
NBW2370	F3A5YR1DAY	16.11	16.15	-0.0001	13.66	11.45	58742
NBW2380	F3A5YR1DAY	12.29	13.52	0.0004	251.01	246.91	10756
NBW2385	F3A5YR1DAY	18.49	18.49	0.0000	3.26	3.25	6479
NBW2387	F3A5YR1DAY	16.11	15.74	0.0000	0.44	0.42	478
NBW2390	F3A5YR1DAY	16.42	16.73	0.0001	40.00	39.89	2672
NBW2410	F3A5YR1DAY	16.59	17.66	0.0001	38.47	30.16	77269
NBW2430	F3A5YR1DAY	16.23	17.66	0.0001	82.15	79.75	38579
NBW2450	F3A5YR1DAY	16.15	17.60	0.0002	162.71	159.53	4396
NBW2470	F3A5YR1DAY	16.43	17.73	0.0001	120.35	115.59	34395
NBW2490	F3A5YR1DAY	16.90	17.74	-0.0002	78.12	77.71	19324
NBW2510	F3A5YR1DAY	17.74	17.82	0.0001	74.53	73.79	2032
NBW2530	F3A5YR1DAY	17.92	17.99	0.0001	62.78	63.26	2011

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW2550	F3A5YR1DAY	17.95	18.00	0.0000	2.51	2.90	450
NBW2570	F3A5YR1DAY	17.96	18.01	0.0000	2.66	2.51	3533
NBW2590	F3A5YR1DAY	18.06	18.11	0.0001	51.16	51.56	1098
NBW2610	F3A5YR1DAY	17.00	17.76	-0.0007	127.17	119.94	48113
NBW2630	F3A5YR1DAY	17.98	18.00	0.0001	120.81	118.83	38723
NBW2650	F3A5YR1DAY	16.97	17.75	-0.0003	28.32	29.20	13007
NBW2670	F3A5YR1DAY	16.42	17.71	0.0001	30.20	31.12	8637
NBW2680	F3A5YR1DAY	17.73	17.81	-0.0001	32.89	32.00	20088
NBW2690	F3A5YR1DAY	15.40	17.07	0.0002	249.12	242.95	39392
NBW2710	F3A5YR1DAY	17.73	17.81	-0.0001	2.48	3.69	533
NBW2730	F3A5YR1DAY	18.29	18.27	0.0000	1.78	0.46	4356
NBW2770	F3A5YR1DAY	18.09	18.11	0.0001	13.27	13.30	1310
NBW2775	F3A5YR1DAY	6.59	6.50	0.0000	9.61	5.35	23699
NBW2780	F3A5YR1DAY	18.38	18.42	-0.0003	45.59	38.73	62644
NBW2790	F3A5YR1DAY	18.38	18.43	0.0000	136.88	137.23	85580
NBW2810	F3A5YR1DAY	18.39	18.43	-0.0001	52.77	52.80	67985
NBW2830	F3A5YR1DAY	18.40	18.44	-0.0001	43.63	34.36	107113
NC01	F3A5YR1DAY	0.00	3.99	0.0000	9.72	9.69	2794
NC01B	F3A5YR1DAY	0.00	5.80	0.0000	11.09	10.95	4300
NC02	F3A5YR1DAY	0.00	7.79	0.0001	104.21	104.22	1890
NC03	F3A5YR1DAY	0.00	4.67	-0.0001	118.78	118.77	1944
NC04	F3A5YR1DAY	0.00	3.30	0.0000	28.38	26.44	21471
NC05	F3A5YR1DAY	0.00	3.29	0.0000	29.09	27.20	35066
NC06	F3A5YR1DAY	0.00	3.23	0.0000	29.44	28.79	15576
NC07	F3A5YR1DAY	0.00	3.21	-0.0001	20.54	20.29	14603
NC08	F3A5YR1DAY	0.00	3.19	0.0000	23.97	23.78	11183
NCL0010	F3A5YR1DAY	2.00	2.00	0.0000	569.48	0.00	0
NCL0030	F3A5YR1DAY	2.36	2.80	0.0001	496.16	496.14	6856
NCL0050	F3A5YR1DAY	2.36	2.80	0.0000	0.46	1.09	439
NCL0070	F3A5YR1DAY	5.20	5.27	0.0000	93.56	92.76	35837
NCL0090	F3A5YR1DAY	6.06	6.02	-0.0001	41.97	29.36	61826
NCL0110	F3A5YR1DAY	3.04	3.38	-0.0005	571.74	571.72	6623
NCL0130	F3A5YR1DAY	4.05	3.48	-0.0003	119.53	119.58	565
NCL0150	F3A5YR1DAY	4.95	4.33	0.0000	119.53	119.53	2802
NCL0170	F3A5YR1DAY	5.08	4.44	-0.0001	62.62	62.93	1380
NCL0190	F3A5YR1DAY	5.08	4.45	0.0000	2.22	1.98	438
NCL0210	F3A5YR1DAY	5.85	4.82	-0.0001	92.10	92.69	1337
NCL0230	F3A5YR1DAY	6.60	6.27	-0.0001	32.68	29.85	13030
NCL0250	F3A5YR1DAY	6.60	6.28	0.0001	3.27	3.39	589
NCL0270	F3A5YR1DAY	6.60	6.29	0.0000	4.01	3.97	1157
NCL0290	F3A5YR1DAY	5.90	4.95	-0.0001	58.90	59.09	924
NCL0310	F3A5YR1DAY	6.10	5.57	0.0011	58.73	58.90	1045
NCL0330	F3A5YR1DAY	5.95	5.56	-0.0001	3.46	5.08	4139
NCL0350	F3A5YR1DAY	6.60	6.28	-0.0003	90.67	75.59	41128
NCL0370	F3A5YR1DAY	7.36	7.34	0.0002	61.95	60.95	13373
NCL0390	F3A5YR1DAY	4.02	4.28	-0.0022	437.72	468.56	4339
NCL0410	F3A5YR1DAY	4.09	4.35	-0.0002	4.99	4.89	819

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL0430	F3A5YR1DAY	4.23	4.43	0.0000	5.18	4.99	639
NCL0450	F3A5YR1DAY	4.75	4.94	0.0007	431.44	431.59	3676
NCL0470	F3A5YR1DAY	5.43	5.55	-0.0010	429.01	429.14	3437
NCL0490	F3A5YR1DAY	6.48	6.52	-0.0006	455.04	456.85	28544
NCL0510	F3A5YR1DAY	6.67	6.67	0.0001	31.28	31.03	1146
NCL0530	F3A5YR1DAY	8.10	7.77	0.0004	40.47	19.15	1176
NCL0550	F3A5YR1DAY	8.17	7.82	-0.0001	23.46	40.47	11393
NCL0570	F3A5YR1DAY	8.66	8.00	0.0001	11.85	11.52	841
NCL0590	F3A5YR1DAY	7.00	7.04	0.0007	414.18	414.37	3392
NCL0610	F3A5YR1DAY	7.52	7.59	0.0007	409.68	409.77	3640
NCL0630	F3A5YR1DAY	8.06	8.17	-0.0003	408.20	408.30	4608
NCL0650	F3A5YR1DAY	8.12	8.22	-0.0003	48.40	102.61	1613
NCL0670	F3A5YR1DAY	8.67	8.74	0.0003	130.79	48.40	1694
NCL0690	F3A5YR1DAY	8.76	8.82	0.0002	34.77	35.14	605
NCL0710	F3A5YR1DAY	8.95	8.97	0.0002	34.41	34.26	601
NCL0730	F3A5YR1DAY	9.26	9.24	-0.0001	34.74	34.41	554
NCL0750	F3A5YR1DAY	9.56	9.52	0.0000	74.55	64.87	45552
NCL0770	F3A5YR1DAY	10.12	10.06	0.0000	46.98	46.73	2178
NCL0790	F3A5YR1DAY	8.69	8.76	-0.0003	28.53	101.59	895
NCL0810	F3A5YR1DAY	8.84	8.92	0.0001	28.57	28.53	1378
NCL0830	F3A5YR1DAY	8.93	9.18	-0.0007	360.18	363.23	27459
NCL0850	F3A5YR1DAY	9.01	9.21	0.0001	76.67	72.82	9616
NCL0870	F3A5YR1DAY	9.37	9.33	0.0001	94.12	93.84	2021
NCL0890	F3A5YR1DAY	9.65	9.43	-0.0001	80.39	79.99	1591
NCL0910	F3A5YR1DAY	9.71	9.43	0.0001	5.91	5.40	490
NCL0930	F3A5YR1DAY	9.57	9.63	-0.0001	75.43	74.99	2112
NCL0950	F3A5YR1DAY	9.89	9.90	0.0001	61.00	60.72	3185
NCL0970	F3A5YR1DAY	10.41	10.14	0.0001	37.11	36.69	2268
NCL0990	F3A5YR1DAY	11.00	10.49	0.0000	25.00	24.50	1493
NCL1010	F3A5YR1DAY	11.14	10.57	0.0000	5.57	5.16	638
NCL1030	F3A5YR1DAY	9.67	9.36	-0.0002	21.27	33.52	1468
NCL1050	F3A5YR1DAY	10.46	9.37	0.0001	5.66	5.16	623
NCL1070	F3A5YR1DAY	9.30	10.08	0.0001	3.72	3.79	630
NCL1090	F3A5YR1DAY	9.76	10.23	0.0000	35.84	14.42	18330
NCL1110	F3A5YR1DAY	9.85	9.91	0.0001	16.68	16.81	2095
NCL1130	F3A5YR1DAY	9.76	10.22	0.0001	17.59	16.03	34551
NCL1150	F3A5YR1DAY	9.76	10.23	0.0001	432.22	440.40	187834
NCL1170	F3A5YR1DAY	10.59	11.30	0.0004	383.33	350.54	94102
NCL1190	F3A5YR1DAY	10.72	11.34	0.0001	65.58	65.16	1854
NCL1210	F3A5YR1DAY	10.63	11.32	0.0001	32.11	14.46	50699
NCL1230	F3A5YR1DAY	10.94	11.41	0.0001	66.00	65.58	1432
NCL1250	F3A5YR1DAY	11.11	11.48	0.0001	66.43	66.00	1231
NCL1270	F3A5YR1DAY	11.34	11.59	0.0001	67.78	67.27	1214
NCL1290	F3A5YR1DAY	13.06	12.87	0.0001	37.89	36.79	2307
NCL1310	F3A5YR1DAY	14.77	14.63	0.0001	29.26	26.66	7082
NCL1330	F3A5YR1DAY	10.60	11.30	-0.0002	160.04	164.18	77993
NCL1350	F3A5YR1DAY	10.63	11.32	0.0001	166.79	158.69	55376

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL1370	F3A5YR1DAY	10.63	11.32	-0.0002	28.05	27.64	1756
NCL1390	F3A5YR1DAY	10.63	11.32	0.0001	8.94	5.96	1679
NCL1410	F3A5YR1DAY	10.63	11.33	0.0001	4.56	4.30	1494
NCL1430	F3A5YR1DAY	10.70	11.39	0.0004	450.55	388.60	157094
NCL1450	F3A5YR1DAY	10.93	11.97	0.0010	413.69	413.31	3036
NCL1470	F3A5YR1DAY	12.72	13.31	0.0002	332.41	331.95	4424
NCL1490	F3A5YR1DAY	14.45	14.46	0.0000	4.16	4.13	776
NCL1510	F3A5YR1DAY	11.06	12.04	-0.0008	54.72	79.86	863
NCL1530	F3A5YR1DAY	12.54	12.68	0.0002	62.69	62.21	8571
NCL1550	F3A5YR1DAY	13.13	13.15	-0.0001	42.90	41.90	1021
NCL1570	F3A5YR1DAY	13.31	13.25	0.0001	4.21	3.11	504
NCL1590	F3A5YR1DAY	13.70	13.69	0.0000	1.58	1.57	1307
NCL1610	F3A5YR1DAY	13.37	13.29	0.0001	2.48	1.80	469
NCL1630	F3A5YR1DAY	13.57	13.52	-0.0003	58.12	58.10	2663
NCL1650	F3A5YR1DAY	13.68	13.62	0.0002	57.62	57.67	1293
NCL1670	F3A5YR1DAY	14.02	13.95	0.0001	30.51	30.51	1308
NCL1690	F3A5YR1DAY	17.47	17.41	0.0001	40.71	40.71	1397
NCL1710	F3A5YR1DAY	17.89	17.84	0.0001	38.09	38.14	2442
NCL1730	F3A5YR1DAY	18.27	18.28	0.0002	50.94	51.17	6252
NCL1750	F3A5YR1DAY	18.24	18.25	-0.0002	15.69	14.59	513
NCL1770	F3A5YR1DAY	18.07	18.04	0.0001	23.21	23.20	2451
NCL1790	F3A5YR1DAY	15.78	15.17	0.0002	328.90	328.39	5863
NCL1810	F3A5YR1DAY	18.13	18.12	-0.0001	44.28	39.70	20837
NCL1830	F3A5YR1DAY	18.39	16.98	0.0002	305.73	305.24	6250
NCL1850	F3A5YR1DAY	18.50	17.19	-0.0003	78.59	79.05	910
NCL1870	F3A5YR1DAY	19.01	18.21	0.0002	78.16	78.59	1006
NCL1890	F3A5YR1DAY	19.15	18.48	0.0002	77.74	78.16	990
NCL1910	F3A5YR1DAY	19.15	18.48	0.0001	3.76	0.75	534
NCL1930	F3A5YR1DAY	19.91	19.88	0.0000	3.81	3.80	1611
NCL1950	F3A5YR1DAY	19.15	18.47	0.0000	0.44	0.19	501
NCL1970	F3A5YR1DAY	21.67	21.65	0.0000	2.10	2.09	3144
NCL1990	F3A5YR1DAY	19.58	19.32	0.0001	76.89	77.25	881
NCL2010	F3A5YR1DAY	19.74	19.60	0.0001	46.58	45.08	1104
NCL2030	F3A5YR1DAY	19.76	19.61	0.0001	11.40	7.04	23649
NCL2050	F3A5YR1DAY	19.76	19.65	0.0001	42.59	41.82	1411
NCL2070	F3A5YR1DAY	19.76	19.61	0.0001	2.53	2.61	1099
NCL2090	F3A5YR1DAY	19.87	19.86	0.0001	44.59	42.59	1414
NCL2110	F3A5YR1DAY	20.03	19.92	0.0004	23.44	23.09	1494
NCL2130	F3A5YR1DAY	19.87	19.89	0.0001	53.35	57.47	27393
NCL2150	F3A5YR1DAY	20.75	21.06	-0.0004	54.33	50.37	132617
NCL2170	F3A5YR1DAY	19.85	19.87	0.0001	82.82	82.74	18440
NCL2230	F3A5YR1DAY	19.13	18.03	0.0004	234.95	231.44	5806
NCL2250	F3A5YR1DAY	19.55	18.81	0.0002	218.75	218.85	4444
NCL2270	F3A5YR1DAY	20.05	20.18	0.0001	138.03	138.24	10100
NCL2290	F3A5YR1DAY	19.88	19.91	0.0001	9.07	8.93	1301
NCL2310	F3A5YR1DAY	20.45	20.65	0.0001	105.81	105.01	1780
NCL2330	F3A5YR1DAY	20.74	20.97	0.0001	120.62	113.28	77188

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL2350	F3A5YR1DAY	20.78	21.00	0.0001	96.44	95.32	4014
NCL2370	F3A5YR1DAY	20.81	21.02	0.0001	92.43	91.27	2298
NCL2390	F3A5YR1DAY	20.84	21.05	0.0000	114.28	100.39	100874
NCL2410	F3A5YR1DAY	21.07	21.12	0.0000	31.19	31.53	1380
NCL2430	F3A5YR1DAY	21.32	21.20	0.0000	31.01	30.51	1472
NCL2450	F3A5YR1DAY	21.25	21.17	0.0001	4.73	4.51	493
NCL2470	F3A5YR1DAY	20.93	21.06	0.0000	18.87	18.22	846
NCL2490	F3A5YR1DAY	21.54	21.24	0.0000	27.94	27.18	1524
NCL2510	F3A5YR1DAY	21.70	21.25	0.0001	83.37	82.48	74499
NCL2530	F3A5YR1DAY	21.70	21.25	0.0001	38.67	36.79	37928
NCL2540	F3A5YR1DAY	0.00	21.95	0.0000	55.88	55.25	38495
NCL2550	F3A5YR1DAY	21.70	21.25	0.0001	41.99	42.43	11588
NCL2570	F3A5YR1DAY	21.51	21.24	0.0001	17.57	17.76	1503
NCL2580	F3A5YR1DAY	0.00	21.23	-0.0002	86.04	84.95	27872
NCL2590	F3A5YR1DAY	21.17	21.23	0.0001	142.90	140.30	113281
NCL2610	F3A5YR1DAY	21.14	21.22	0.0001	98.22	98.06	25614
NCL2630	F3A5YR1DAY	20.86	20.81	0.0001	66.18	65.57	41185
NCL2631	F3A5YR1DAY	0.00	20.52	-0.0001	73.07	61.87	36982
NCL2650	F3A5YR1DAY	21.17	21.37	0.0001	79.04	67.59	96290
NCL2670	F3A5YR1DAY	21.93	22.12	-0.0001	87.88	90.15	52710
NCL2690	F3A5YR1DAY	21.96	22.29	-0.0002	53.89	60.60	47533
NCL2710	F3A5YR1DAY	21.96	22.35	-0.0001	40.26	51.58	61663
NCL2730	F3A5YR1DAY	21.95	22.47	-0.0001	28.50	29.32	6329
NCL2750	F3A5YR1DAY	21.84	22.82	0.0000	71.38	70.75	19927
NCL2770	F3A5YR1DAY	21.71	22.32	0.0000	23.26	23.27	1389
NCL2780	F3A5YR1DAY	0.00	22.10	0.0000	12.55	12.25	21045
NCL2790	F3A5YR1DAY	21.84	22.17	0.0000	109.19	104.27	100725
NCL2810	F3A5YR1DAY	22.11	22.70	0.0000	67.22	66.67	18487
NCL2830	F3A5YR1DAY	23.09	22.73	-0.0001	14.76	14.69	1241
NCL2835	F3A5YR1DAY	0.00	23.73	0.0000	7.84	7.90	1081
NCL2840	F3A5YR1DAY	0.00	23.69	0.0000	67.13	66.88	22170
NCL2845	F3A5YR1DAY	0.00	24.23	-0.0001	36.56	36.37	14160
NCL2850	F3A5YR1DAY	20.82	21.02	0.0000	23.69	24.03	1361
NCL2870	F3A5YR1DAY	20.83	21.02	-0.0001	22.88	23.09	1245
NCL2890	F3A5YR1DAY	20.83	21.02	0.0001	20.27	22.88	18060
NCL2910	F3A5YR1DAY	20.83	21.02	-0.0001	50.69	50.27	41683
NCL2930	F3A5YR1DAY	19.55	18.84	0.0004	137.15	131.59	2980
NCL2950	F3A5YR1DAY	19.53	18.93	0.0002	133.57	125.92	5715
NCL2970	F3A5YR1DAY	20.49	20.46	0.0002	45.52	44.33	9556
NCL2990	F3A5YR1DAY	19.33	18.97	0.0002	100.27	97.10	5899
NCL3010	F3A5YR1DAY	19.35	19.05	0.0002	95.82	77.91	64290
NCL3030	F3A5YR1DAY	19.58	19.09	0.0002	89.05	74.13	10001
NCL3050	F3A5YR1DAY	19.94	19.84	0.0002	62.30	58.29	23451
NCL3070	F3A5YR1DAY	20.14	20.09	0.0000	33.67	32.01	14652
NCL3090	F3A5YR1DAY	19.59	19.09	0.0002	111.20	85.66	42755
NCL3110	F3A5YR1DAY	19.59	19.13	0.0002	56.33	44.98	50385
NCL3130	F3A5YR1DAY	19.59	19.13	0.0002	21.52	18.85	12195

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL3150	F3A5YR1DAY	19.54	19.02	0.0002	135.54	134.49	5792
NCL3170	F3A5YR1DAY	19.71	20.08	0.0001	51.06	50.64	18161
NCL3190	F3A5YR1DAY	20.31	20.31	-0.0003	57.00	47.57	100765
NCL3210	F3A5YR1DAY	20.32	20.31	-0.0003	38.63	31.61	47113
NCL3230	F3A5YR1DAY	20.32	20.33	-0.0002	24.94	23.81	15736
NCL3250	F3A5YR1DAY	19.11	17.41	0.0002	196.30	201.09	5874
NCL3250A	F3A5YR1DAY	0.00	18.22	0.0002	134.49	133.81	2677
NCL3270	F3A5YR1DAY	19.11	17.91	0.0000	32.51	32.28	1736
NCL3280	F3A5YR1DAY	0.00	18.08	0.0000	29.46	29.34	999
NCL3290	F3A5YR1DAY	20.16	18.97	0.0000	24.30	24.09	1672
NCL3300	F3A5YR1DAY	0.00	19.04	0.0000	3.74	3.46	752
NCL3310	F3A5YR1DAY	20.19	18.98	0.0000	1.55	2.00	763
NCL3330	F3A5YR1DAY	20.75	19.03	0.0000	3.45	3.35	437
NCL3350	F3A5YR1DAY	20.51	20.41	-0.0001	19.78	15.08	25199
NCL3360	F3A5YR1DAY	0.00	20.41	0.0000	5.47	3.71	12000
NCL3365	F3A5YR1DAY	0.00	20.13	-0.0001	14.05	13.80	17787
NCL3370	F3A5YR1DAY	20.64	20.91	-0.0002	83.09	77.38	85902
NCL3390	F3A5YR1DAY	20.83	21.01	0.0000	78.13	77.67	39965
NCL3410	F3A5YR1DAY	20.83	21.01	0.0000	2.10	2.57	477
NCL3430	F3A5YR1DAY	20.83	21.02	0.0000	4.58	1.41	3989
NCL3450	F3A5YR1DAY	18.92	16.63	0.0001	232.29	230.62	6328
NCL3470	F3A5YR1DAY	19.11	17.04	0.0001	149.46	148.33	4739
NCL3471	F3A5YR1DAY	0.00	16.72	-0.0001	108.31	107.92	5436
NCL3490	F3A5YR1DAY	19.15	17.86	0.0000	95.02	94.74	2752
NCL3510	F3A5YR1DAY	20.64	19.50	0.0000	75.44	72.99	18214
NCL3520	F3A5YR1DAY	0.00	19.36	-0.0001	163.82	163.82	19712
NCL3530	F3A5YR1DAY	20.66	20.52	0.0001	102.83	99.84	57749
NCL3550	F3A5YR1DAY	20.66	20.52	0.0001	4.26	4.96	736
NCL3570	F3A5YR1DAY	20.66	20.52	0.0001	2.50	2.72	630
NCL3590	F3A5YR1DAY	20.66	20.55	0.0000	2.28	1.36	4792
NCL3610	F3A5YR1DAY	20.66	20.52	-0.0001	41.19	41.48	1320
NCL3630	F3A5YR1DAY	20.64	20.51	-0.0001	157.06	152.56	107894
NCL3635	F3A5YR1DAY	0.00	20.52	-0.0001	22.29	24.41	1917
NCL3640	F3A5YR1DAY	0.00	20.52	0.0001	19.64	18.35	27131
NCL3650	F3A5YR1DAY	18.92	17.03	0.0000	4.36	4.01	503
NCL3670	F3A5YR1DAY	18.92	18.01	0.0000	9.01	8.80	436
NCL3690	F3A5YR1DAY	18.92	16.43	0.0001	118.49	114.61	2578
NCL3730	F3A5YR1DAY	18.92	16.17	0.0000	333.42	336.46	96944
NCL3740	F3A5YR1DAY	0.00	16.43	0.0001	229.68	221.69	4692
NCL3750	F3A5YR1DAY	18.93	18.88	-0.0012	183.81	115.62	179271
NCL3770	F3A5YR1DAY	18.93	18.88	-0.0007	66.35	38.68	84200
NCL4000	F3A5YR1DAY	0.00	29.73	0.0000	34.78	34.75	5855
NCL4010	F3A5YR1DAY	0.00	29.43	0.0000	28.09	27.89	13148
NCypEast	F3A5YR1DAY	32.00	29.00	0.0000	7.58	0.00	0
NCypWest	F3A5YR1DAY	32.00	29.93	0.0000	0.00	0.00	0
NOC0010	F3A5YR1DAY	2.00	2.00	0.0000	414.62	98.32	0
NOC0030	F3A5YR1DAY	1.14	2.25	-0.0310	414.75	414.62	504

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NOC0050	F3A5YR1DAY	1.20	2.40	-0.0366	374.41	374.57	530
NOC0070	F3A5YR1DAY	1.45	2.97	0.0123	364.68	364.43	516
NOC0090	F3A5YR1DAY	2.91	3.19	-0.0067	124.07	124.20	446
NOC0110	F3A5YR1DAY	1.65	3.03	0.0118	228.67	228.94	455
NOC0130	F3A5YR1DAY	3.06	3.57	0.0026	228.65	228.67	528
NOC0150	F3A5YR1DAY	3.08	3.58	0.0000	2.57	2.46	500
NOC0170	F3A5YR1DAY	4.56	4.78	0.0000	12.25	12.24	1311
NOC0190	F3A5YR1DAY	5.09	4.41	0.0011	226.29	226.20	1077
NOC0210	F3A5YR1DAY	5.68	5.38	0.0001	24.23	23.75	781
NOC0230	F3A5YR1DAY	5.12	4.45	0.0001	7.21	7.19	742
NOC0250	F3A5YR1DAY	5.30	4.73	0.0000	7.41	7.21	984
NOC0270	F3A5YR1DAY	5.57	5.14	0.0000	4.40	3.95	676
NOC0290	F3A5YR1DAY	5.11	4.51	-0.0002	251.85	251.95	1836
NOC0310	F3A5YR1DAY	5.27	4.68	-0.0002	48.92	48.85	450
NOC0330	F3A5YR1DAY	5.85	4.82	0.0001	209.06	209.40	9997
NOC0350	F3A5YR1DAY	5.89	4.96	0.0001	144.75	144.96	1837
NOC0370	F3A5YR1DAY	6.47	6.22	0.0001	92.13	93.05	7480
NOC0390	F3A5YR1DAY	6.60	6.29	-0.0001	54.19	52.19	8055
NOC0410	F3A5YR1DAY	6.95	6.62	0.0000	47.76	42.63	14099
NOC0430	F3A5YR1DAY	7.01	6.77	0.0000	30.76	28.45	9047
NOC0450	F3A5YR1DAY	7.62	7.02	0.0000	20.58	20.51	2412
NOC0470	F3A5YR1DAY	8.12	7.60	0.0001	12.54	13.07	6798
NOC0490	F3A5YR1DAY	7.67	7.03	0.0000	5.20	4.91	1051
NRU0010	F3A5YR1DAY	2.00	2.00	0.0000	541.11	0.00	0
NRU0030	F3A5YR1DAY	2.84	2.92	0.0002	274.24	274.22	2468
NRU0050	F3A5YR1DAY	4.36	4.54	-0.0001	274.23	274.24	2036
NRU0070	F3A5YR1DAY	5.61	5.45	0.0006	275.55	274.23	10415
NRU0090	F3A5YR1DAY	5.66	5.55	-0.0001	56.30	51.77	10575
NRU0110	F3A5YR1DAY	6.23	5.95	-0.0002	216.00	214.66	8290
NRU0130	F3A5YR1DAY	7.66	6.83	-0.0031	196.04	195.53	2616
NRU0150	F3A5YR1DAY	7.71	6.86	0.0161	186.73	187.21	1531
NRU0160	F3A5YR1DAY	0.00	13.17	0.0001	151.80	151.79	4959
NRU0165	F3A5YR1DAY	0.00	13.27	0.0000	3.77	3.72	474
NRU0170	F3A5YR1DAY	14.45	14.86	0.0001	156.62	149.34	13687
NRU0172	F3A5YR1DAY	0.00	14.92	0.0000	7.98	7.99	831
NRU0174	F3A5YR1DAY	0.00	15.07	0.0000	7.89	7.98	856
NRU0176	F3A5YR1DAY	0.00	15.50	0.0000	7.83	7.89	761
NRU0178	F3A5YR1DAY	0.00	15.98	0.0000	8.59	7.83	957
NRU0180	F3A5YR1DAY	0.00	16.17	-0.0001	33.03	20.50	77118
NRU0190	F3A5YR1DAY	14.45	15.05	-0.0001	19.19	21.74	516
NRU0210	F3A5YR1DAY	14.45	15.16	-0.0001	17.12	15.87	602
NRU0230	F3A5YR1DAY	13.39	15.07	-0.0001	16.09	14.28	19000
NRU0250	F3A5YR1DAY	14.62	14.88	0.0001	123.71	122.16	6210
NRU0270	F3A5YR1DAY	15.05	15.58	0.0002	109.37	109.33	2611
NRU0290	F3A5YR1DAY	16.30	17.40	-0.0001	21.16	19.78	6227
NRU0310	F3A5YR1DAY	16.13	16.24	0.0001	82.01	83.07	2502
NRU0330	F3A5YR1DAY	18.25	17.51	0.0001	28.59	29.59	1352

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0335	F3A5YR1DAY	0.00	19.08	0.0000	6.66	5.38	6633
NRU0340	F3A5YR1DAY	0.00	18.36	0.0001	32.71	31.75	16394
NRU0343	F3A5YR1DAY	0.00	19.14	-0.0001	12.24	11.35	918
NRU0345	F3A5YR1DAY	0.00	19.41	-0.0001	25.82	20.54	55205
NRU0350	F3A5YR1DAY	19.50	18.40	0.0001	9.75	9.27	977
NRU0370	F3A5YR1DAY	19.51	18.39	0.0001	11.47	9.65	3009
NRU0380	F3A5YR1DAY	23.33	18.33	0.0001	5.46	5.39	470
NRU0390	F3A5YR1DAY	27.00	18.22	-0.0002	16.03	13.95	9923
NRU0410	F3A5YR1DAY	19.56	18.40	0.0001	9.05	6.83	1095
NRU0425	F3A5YR1DAY	15.53	15.81	0.0001	5.74	5.19	4975
NRU0430	F3A5YR1DAY	19.61	18.41	0.0001	6.83	4.67	1070
NRU0450	F3A5YR1DAY	19.66	18.42	0.0001	4.67	3.18	1043
NRU0470	F3A5YR1DAY	19.72	18.48	0.0001	2.58	2.18	783
NRU0490	F3A5YR1DAY	20.36	18.50	-0.0001	2.41	1.67	532
NRU0495	F3A5YR1DAY	0.00	13.11	0.0001	623.26	623.21	2716
NRU0500	F3A5YR1DAY	0.00	13.35	0.0001	622.40	621.10	5646
NRU0510	F3A5YR1DAY	19.67	19.17	0.0001	16.61	15.18	1493
NRU0530	F3A5YR1DAY	16.95	16.93	0.0001	50.66	51.67	2251
NRU0550	F3A5YR1DAY	17.92	17.66	-0.0001	63.79	50.66	35668
NRU0570	F3A5YR1DAY	18.16	17.76	-0.0001	37.58	37.22	1524
NRU0590	F3A5YR1DAY	18.51	17.87	0.0001	33.77	34.24	1745
NRU0610	F3A5YR1DAY	18.78	17.94	0.0001	32.24	32.97	2520
NRU0612	F3A5YR1DAY	0.00	17.93	0.0001	32.82	29.99	1555
NRU0615	F3A5YR1DAY	0.00	18.63	0.0001	11.29	9.33	2192
NRU0616	F3A5YR1DAY	0.00	18.64	0.0000	3.18	3.24	1522
NRU0618	F3A5YR1DAY	0.00	18.45	0.0000	9.37	9.27	917
NRU0620	F3A5YR1DAY	0.00	19.74	-0.0001	13.86	10.92	16301
NRU0630	F3A5YR1DAY	18.79	17.81	0.0001	39.91	37.28	2175
NRU0650	F3A5YR1DAY	18.79	17.72	0.0001	53.76	51.76	1810
NRU0670	F3A5YR1DAY	18.78	17.63	0.0001	51.76	50.76	1429
NRU0690	F3A5YR1DAY	18.84	17.49	0.0001	62.50	61.43	1934
NRU0710	F3A5YR1DAY	18.86	17.31	0.0001	95.87	94.71	2312
NRU0730	F3A5YR1DAY	18.85	18.35	-0.0002	23.15	20.53	19418
NRU0740	F3A5YR1DAY	0.00	16.82	0.0001	101.62	100.26	2801
NRU0745	F3A5YR1DAY	0.00	16.31	0.0001	105.47	104.04	3771
NRU0747	F3A5YR1DAY	18.87	15.90	0.0001	104.04	102.46	1657
NRU0750	F3A5YR1DAY	18.87	15.65	0.0001	126.51	125.23	2224
NRU0770	F3A5YR1DAY	18.88	15.63	0.0001	27.34	26.71	1019
NRU0785	F3A5YR1DAY	0.00	15.61	0.0001	32.67	31.71	845
NRU0790	F3A5YR1DAY	18.88	15.60	0.0003	513.13	513.51	8788
NRU0810	F3A5YR1DAY	18.88	15.60	0.0001	4.30	1.15	750
NRU0820	F3A5YR1DAY	0.00	15.74	0.0000	0.00	0.00	436
NRU0830	F3A5YR1DAY	18.99	15.96	-0.0004	505.35	505.69	4681
NRU0840	F3A5YR1DAY	9999.00	16.13	-0.0001	451.64	451.95	2258
NRU0850	F3A5YR1DAY	19.11	16.52	0.0002	153.35	152.89	2553
NRU0870	F3A5YR1DAY	19.32	16.68	0.0000	18.72	19.10	560
NRU0890	F3A5YR1DAY	19.35	16.77	0.0000	25.40	20.74	56120

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0910	F3A5YR1DAY	19.35	17.12	0.0000	1.38	1.36	581
NRU0930	F3A5YR1DAY	19.35	19.50	0.0000	1.51	1.38	1742
NRU0950	F3A5YR1DAY	19.11	16.80	-0.0001	139.65	139.25	1381
NRU0955	F3A5YR1DAY	0.00	16.91	-0.0001	129.59	129.28	2070
NRU0960	F3A5YR1DAY	0.00	17.10	0.0001	127.21	126.90	3512
NRU0965	F3A5YR1DAY	0.00	17.22	-0.0002	126.31	126.00	13750
NRU0970	F3A5YR1DAY	19.34	16.88	0.0000	11.81	13.02	1456
NRU0980	F3A5YR1DAY	0.00	16.88	0.0000	8.78	8.40	1097
NRU0990	F3A5YR1DAY	19.39	16.92	0.0001	27.00	26.84	440
NRU1010	F3A5YR1DAY	19.70	17.08	0.0001	27.18	27.00	463
NRU1015	F3A5YR1DAY	0.00	18.16	0.0001	14.06	13.79	696
NRU1020	F3A5YR1DAY	0.00	19.92	-0.0060	16.01	58.87	866
NRU1025	F3A5YR1DAY	0.00	18.85	-0.0001	10.30	10.02	724
NRU1030	F3A5YR1DAY	19.70	17.35	0.0001	71.05	69.61	2370
NRU1035	F3A5YR1DAY	0.00	17.06	0.0000	0.72	0.67	436
NRU1036	F3A5YR1DAY	0.00	17.25	-0.0001	10.64	10.61	437
NRU1037	F3A5YR1DAY	0.00	17.55	0.0000	1.12	0.72	640
NRU1040	F3A5YR1DAY	0.00	17.20	-0.0001	13.89	13.81	454
NRU1045	F3A5YR1DAY	0.00	20.00	0.0000	12.67	11.85	2232
NRU1046	F3A5YR1DAY	0.00	19.97	0.0060	11.85	11.03	931
NRU1050	F3A5YR1DAY	19.70	17.57	0.0001	51.58	45.12	1693
NRU1070	F3A5YR1DAY	19.83	17.83	0.0000	19.68	21.02	1938
NRU1090	F3A5YR1DAY	18.86	15.50	0.0001	105.61	104.17	1336
NRU1110	F3A5YR1DAY	18.86	15.36	0.0001	128.53	127.16	1808
NRU1130	F3A5YR1DAY	18.86	15.50	-0.0001	22.54	28.23	776
NRU1150	F3A5YR1DAY	18.86	15.65	0.0003	22.92	22.54	962
NRU1170	F3A5YR1DAY	18.86	18.53	-0.0001	22.33	19.60	8219
NRU1182	F3A5YR1DAY	0.00	15.86	0.0000	15.64	15.93	1155
NRU1184	F3A5YR1DAY	0.00	16.43	0.0000	13.83	14.11	872
NRU1185	F3A5YR1DAY	0.00	18.41	0.0000	9.69	8.60	1471
NRU1186	F3A5YR1DAY	0.00	16.64	0.0000	5.70	5.81	791
NRU1188	F3A5YR1DAY	0.00	18.03	0.0000	4.30	0.16	26513
NRU1190	F3A5YR1DAY	18.86	17.83	0.0000	8.80	7.26	576
NRU1210	F3A5YR1DAY	18.86	17.46	0.0000	7.26	6.73	718
NRU1220	F3A5YR1DAY	0.00	15.21	0.0000	21.54	21.40	2046
NRU1225	F3A5YR1DAY	0.00	20.79	0.0000	3.23	3.12	436
NRU1230	F3A5YR1DAY	18.88	15.14	-0.0002	572.22	572.59	4559
NRU1232	F3A5YR1DAY	0.00	14.85	0.0008	584.14	598.02	3681
NRU1234	F3A5YR1DAY	0.00	14.85	0.0000	0.79	1.84	450
NRU1240	F3A5YR1DAY	0.00	15.77	0.0000	4.06	4.04	452
NRU1250	F3A5YR1DAY	4.07	4.39	-0.0001	268.26	268.24	2104
NRU1270	F3A5YR1DAY	4.78	5.02	0.0001	265.29	265.29	1667
NRU1290	F3A5YR1DAY	5.41	5.62	0.0001	255.79	255.88	3103
NRU1310	F3A5YR1DAY	6.42	6.60	0.0000	256.68	255.79	5053
NRU1330	F3A5YR1DAY	8.29	8.35	0.0000	290.75	290.77	3357
NRU1350	F3A5YR1DAY	9.32	9.37	0.0000	287.57	287.57	2409
NRU1370	F3A5YR1DAY	11.03	11.12	0.0001	283.71	283.72	5323

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1390	F3A5YR1DAY	11.84	12.17	-0.0001	49.57	46.12	9593
NRU1410	F3A5YR1DAY	12.56	12.53	0.0001	233.56	234.09	7506
NRU1430	F3A5YR1DAY	15.53	15.81	-0.0001	49.09	32.29	45457
NRU1450	F3A5YR1DAY	15.94	16.01	-0.0001	31.69	31.17	4319
NRU1470	F3A5YR1DAY	15.97	16.06	-0.0001	6.51	6.52	981
NRU1490	F3A5YR1DAY	16.09	16.26	-0.0001	7.43	6.51	5848
NRU1510	F3A5YR1DAY	15.12	14.87	0.0001	172.37	173.75	10570
NRU1530	F3A5YR1DAY	15.71	15.48	-0.0001	73.83	74.18	3560
NRU1550	F3A5YR1DAY	15.40	15.37	0.0000	65.48	65.47	1677
NRU1570	F3A5YR1DAY	16.20	16.39	0.0000	50.30	49.74	1398
NRU1590	F3A5YR1DAY	16.40	16.55	0.0000	6.27	5.79	1284
NRU1610	F3A5YR1DAY	16.56	16.88	0.0001	42.79	41.10	1573
NRU1630	F3A5YR1DAY	16.69	17.07	0.0001	31.73	31.91	1538
NRU1650	F3A5YR1DAY	16.84	17.24	0.0001	31.56	31.73	11699
NRU1670	F3A5YR1DAY	16.89	17.30	0.0001	62.44	31.49	117864
NRU1690	F3A5YR1DAY	16.89	17.29	0.0001	38.06	37.66	2551
NRU1710	F3A5YR1DAY	16.60	16.87	0.0001	32.33	32.15	1314
NRU1730	F3A5YR1DAY	16.58	16.70	0.0000	76.83	22.68	121076
NRU1750	F3A5YR1DAY	16.58	16.71	-0.0002	17.96	17.59	720
NRU1770	F3A5YR1DAY	16.58	16.71	0.0000	25.33	25.19	1725
NRU1790	F3A5YR1DAY	17.21	17.04	0.0000	6.96	6.61	1120
NRU1810	F3A5YR1DAY	16.58	16.71	0.0000	6.90	5.48	17268
NRU1830	F3A5YR1DAY	17.12	17.05	0.0000	16.95	16.43	1513
NRU1850	F3A5YR1DAY	17.07	17.49	0.0001	24.38	24.18	1047
NRU1870	F3A5YR1DAY	17.20	17.62	0.0001	24.60	24.38	908
NRU1890	F3A5YR1DAY	17.38	17.80	0.0001	38.96	24.60	24620
NRU1910	F3A5YR1DAY	17.71	17.85	0.0001	16.02	14.90	4338
NRU1930	F3A5YR1DAY	15.71	15.49	-0.0001	51.19	56.73	19240
NRU1950	F3A5YR1DAY	16.43	16.06	0.0000	49.47	49.67	1646
NRU1970	F3A5YR1DAY	16.86	16.41	0.0000	49.28	49.47	1037
NRU1990	F3A5YR1DAY	17.09	16.60	0.0000	49.09	49.28	1719
NRU2010	F3A5YR1DAY	18.02	17.63	0.0000	12.27	12.01	1368
NRU2030	F3A5YR1DAY	18.39	18.07	0.0001	9.89	9.03	9057
NRU2050	F3A5YR1DAY	18.40	18.09	0.0001	3.43	3.02	453
NRU2070	F3A5YR1DAY	18.41	18.12	0.0000	3.44	3.43	6464
NRU2090	F3A5YR1DAY	17.16	16.66	-0.0001	34.36	34.41	983
NRU2110	F3A5YR1DAY	17.28	16.77	0.0000	33.35	33.19	1563
NRU2130	F3A5YR1DAY	17.49	16.99	0.0000	34.22	34.20	1851
NRU2150	F3A5YR1DAY	17.69	17.20	0.0000	5.51	5.10	2649
NRU2170	F3A5YR1DAY	17.07	16.86	0.0000	2.98	3.16	772
NRU2190	F3A5YR1DAY	17.08	16.87	0.0000	7.42	2.98	26572
NRU2210	F3A5YR1DAY	17.33	16.97	0.0001	5.04	2.16	538
NRU2230	F3A5YR1DAY	17.33	16.51	0.0000	13.57	0.06	78409
NRU2250	F3A5YR1DAY	17.31	16.51	0.0001	2.17	1.74	11388
NRU2270	F3A5YR1DAY	17.61	17.09	0.0000	28.71	28.68	1283
NRU2290	F3A5YR1DAY	17.67	17.13	0.0000	20.46	20.52	1150
NRU2310	F3A5YR1DAY	17.68	17.15	0.0001	13.91	14.27	1716

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU2330	F3A5YR1DAY	17.68	17.15	-0.0001	33.17	7.48	757
NRU2350	F3A5YR1DAY	17.68	17.15	-0.0001	3.82	30.51	654
NRU2370	F3A5YR1DAY	17.37	16.80	0.0000	3.56	3.82	528
NRU2390	F3A5YR1DAY	17.36	16.75	0.0000	5.84	3.56	32234
NRU2410	F3A5YR1DAY	17.72	17.18	0.0001	7.98	6.97	1098
NRU2430	F3A5YR1DAY	17.83	17.20	0.0001	5.80	5.98	925
NRU2450	F3A5YR1DAY	18.06	17.21	0.0001	2.90	1.17	588
NRU2470	F3A5YR1DAY	15.72	15.48	0.0000	7.77	4.58	1457
NRU2490	F3A5YR1DAY	15.75	15.48	0.0000	5.84	5.49	1418
NRU2510	F3A5YR1DAY	15.75	15.48	0.0001	5.49	3.59	946
NRU2530	F3A5YR1DAY	15.76	15.48	0.0001	3.59	0.26	582
NRU2550	F3A5YR1DAY	16.53	15.69	0.0001	55.26	53.90	2428
NRU2570	F3A5YR1DAY	17.71	17.07	0.0001	47.23	44.87	2070
NRU2590	F3A5YR1DAY	18.30	17.94	0.0001	35.23	35.15	1704
NRU2610	F3A5YR1DAY	18.62	18.51	0.0001	37.27	33.79	9251
NRU2630	F3A5YR1DAY	19.41	19.18	-0.0002	27.61	29.24	35537
NRU2650	F3A5YR1DAY	19.54	19.60	-0.0002	18.09	17.72	25245
NRU2670	F3A5YR1DAY	16.64	16.72	0.0000	23.28	22.88	2724
NRU2690	F3A5YR1DAY	17.09	17.19	0.0000	137.04	83.67	228465
NSH02	F3A5YR1DAY	0.00	20.72	-0.0002	10.29	10.01	2586
NSH03	F3A5YR1DAY	0.00	18.02	-0.0227	0.32	12.94	767
NSH04	F3A5YR1DAY	0.00	14.39	0.0000	37.76	35.49	4612
NSH05	F3A5YR1DAY	0.00	8.07	-0.0001	646.84	646.82	5036
NSH07	F3A5YR1DAY	0.00	8.08	-0.0001	19.73	19.44	3362
NSH08	F3A5YR1DAY	0.00	7.43	0.0000	14.55	14.37	1688
NSH09	F3A5YR1DAY	0.00	9.34	0.0001	33.52	25.70	8325
NSH10	F3A5YR1DAY	0.00	19.02	0.0000	13.93	13.54	28866
NSH11	F3A5YR1DAY	0.00	21.06	0.0000	5.83	5.73	6377
NSH12	F3A5YR1DAY	0.00	7.64	0.0000	649.90	650.40	4109
NSH13	F3A5YR1DAY	0.00	7.47	0.0011	658.75	659.52	4604
NSH14	F3A5YR1DAY	0.00	7.41	0.0013	663.81	663.27	1911
NSH15	F3A5YR1DAY	0.00	18.68	0.0000	4.15	4.10	6222
NSH16	F3A5YR1DAY	0.00	8.23	0.0004	38.86	38.86	648
NSH17	F3A5YR1DAY	0.00	7.36	-0.0011	664.07	664.67	2161
NSH18	F3A5YR1DAY	0.00	7.32	-0.0007	697.87	695.82	3006
NSH19	F3A5YR1DAY	0.00	6.53	-0.0009	698.11	698.13	5396
NSH20	F3A5YR1DAY	0.00	20.18	0.0000	2.56	2.38	11087
NSH21	F3A5YR1DAY	0.00	10.92	-0.0001	9.85	9.37	5898
NSH22	F3A5YR1DAY	0.00	13.79	0.0000	30.36	24.61	3750
NSH23	F3A5YR1DAY	0.00	18.19	0.0000	8.68	8.64	2423
NSH24	F3A5YR1DAY	0.00	13.79	0.0000	14.48	11.98	3257
NSH25	F3A5YR1DAY	0.00	13.28	-0.0001	12.93	12.05	671
NSH26	F3A5YR1DAY	0.00	12.71	0.0001	34.56	31.51	6691
NSH26A	F3A5YR1DAY	0.00	12.17	0.0000	38.88	38.86	2061
NSH27	F3A5YR1DAY	0.00	11.76	0.0000	5.85	5.06	3920
NSH27A	F3A5YR1DAY	0.00	11.69	0.0000	17.05	15.80	921
NSH27AA	F3A5YR1DAY	0.00	11.71	0.0000	5.06	5.44	560

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSH27B	F3A5YR1DAY	0.00	10.63	-0.0001	15.80	18.22	1033
NSH27C	F3A5YR1DAY	0.00	8.80	-0.0001	18.22	14.85	1035
NSH28	F3A5YR1DAY	0.00	9.44	0.0000	11.48	7.64	8459
NSH29	F3A5YR1DAY	0.00	7.43	-0.0001	8.46	11.85	648
NSH31	F3A5YR1DAY	0.00	9.42	0.0001	7.64	5.75	480
NSH33	F3A5YR1DAY	0.00	16.56	0.0000	1.88	1.83	3909
NSH34	F3A5YR1DAY	0.00	9.06	0.0000	23.66	23.60	1940
NSH35	F3A5YR1DAY	0.00	7.78	-0.0001	9.63	9.42	2430
NSH36	F3A5YR1DAY	0.00	7.74	-0.0001	21.73	21.37	805
NSH37	F3A5YR1DAY	0.00	7.44	0.0012	662.77	663.37	2109
NSH41	F3A5YR1DAY	0.00	14.32	0.0000	3.30	3.29	465
NSH42	F3A5YR1DAY	0.00	3.24	0.0002	43.01	43.01	447
NSH43	F3A5YR1DAY	0.00	3.87	0.0004	41.50	41.55	507
NSH44	F3A5YR1DAY	0.00	6.90	-0.0001	10.34	16.18	670
NSH45	F3A5YR1DAY	0.00	16.22	0.0000	20.43	20.15	19125
NSH48	F3A5YR1DAY	0.00	18.20	0.0000	11.05	11.03	2423
NSH49	F3A5YR1DAY	0.00	17.27	0.0000	10.83	10.75	473
NSH50	F3A5YR1DAY	0.00	13.98	-0.0002	646.85	635.06	6021
NSH51	F3A5YR1DAY	0.00	16.45	0.0000	23.38	23.27	1331
NSH52	F3A5YR1DAY	0.00	14.17	0.0021	599.70	641.68	4427
NSH53	F3A5YR1DAY	0.00	14.77	0.0000	30.51	30.29	1030
NSH53B	F3A5YR1DAY	0.00	14.17	-0.0002	6.85	7.38	448
NSH54	F3A5YR1DAY	0.00	14.40	0.0000	28.72	28.06	1255
NSH55	F3A5YR1DAY	0.00	14.65	-0.0005	599.42	597.88	5311
NSH55B	F3A5YR1DAY	0.00	14.68	0.0000	6.73	6.71	447
NSH56	F3A5YR1DAY	0.00	14.86	0.0001	3.66	3.77	465
NSH57	F3A5YR1DAY	0.00	14.86	0.0000	3.68	3.66	455
NSH60	F3A5YR1DAY	0.00	18.43	0.0000	10.99	10.65	436
NSH61	F3A5YR1DAY	0.00	14.97	0.0000	8.20	8.20	451
NSH65	F3A5YR1DAY	0.00	20.06	0.0000	2.23	2.17	436
NSH71	F3A5YR1DAY	9999.00	15.01	0.0000	10.49	10.54	2457
NSH75	F3A5YR1DAY	0.00	5.42	-0.0038	709.15	709.12	4064
NSH76	F3A5YR1DAY	0.00	4.34	0.0154	668.03	668.01	2030
NSH80	F3A5YR1DAY	0.00	13.65	0.0002	646.96	616.34	6657
NSH81	F3A5YR1DAY	0.00	20.33	0.0000	0.26	0.00	1880
NSH82	F3A5YR1DAY	0.00	20.78	0.0000	1.46	0.06	5181
NSH83	F3A5YR1DAY	0.00	13.69	-0.0001	11.33	12.31	1461
NSH85	F3A5YR1DAY	0.00	13.55	0.0001	618.69	612.86	4681
NSHSelmonD S	F3A5YR1DAY	9999.00	10.38	0.0002	645.31	645.30	6356
NSHSelmonU S	F3A5YR1DAY	9999.00	12.61	0.0002	623.21	623.22	3189
NSR0000	F3A5YR1DAY	2.00	2.00	0.0000	264.61	26.06	0
NSR0005	F3A5YR1DAY	2.00	2.00	0.0000	4.99	0.00	0
NSR0010	F3A5YR1DAY	2.00	2.00	0.0000	344.31	0.00	0
NSR0030	F3A5YR1DAY	2.92	3.06	0.0000	360.70	344.31	216509
NSR0032	F3A5YR1DAY	4.88	5.04	0.0000	9.09	4.42	18964

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0034	F3A5YR1DAY	3.63	3.72	0.0000	48.12	44.76	24190
NSR0050	F3A5YR1DAY	3.44	3.55	0.0000	331.27	320.83	86141
NSR0070	F3A5YR1DAY	3.45	3.56	-0.0001	25.27	22.20	26440
NSR0090	F3A5YR1DAY	3.68	3.73	-0.0001	26.85	24.66	10095
NSR0100	F3A5YR1DAY	2.25	2.38	0.0000	5.01	4.99	524
NSR0102	F3A5YR1DAY	4.24	4.32	0.0000	3.01	2.68	2355
NSR0105	F3A5YR1DAY	1.91	2.71	-0.0211	264.65	264.61	484
NSR0110	F3A5YR1DAY	3.93	4.03	0.0000	12.90	12.42	2230
NSR0112	F3A5YR1DAY	2.31	3.03	0.0254	263.43	263.42	457
NSR0115	F3A5YR1DAY	4.25	4.32	0.0000	1.91	1.58	7794
NSR0120	F3A5YR1DAY	2.62	3.28	0.0152	260.85	260.89	479
NSR0130	F3A5YR1DAY	4.16	4.30	0.0000	8.08	6.57	5235
NSR0135	F3A5YR1DAY	4.22	4.38	0.0000	3.03	2.70	438
NSR0140	F3A5YR1DAY	3.28	3.81	0.0055	258.08	258.08	477
NSR0150	F3A5YR1DAY	3.64	3.77	0.0003	309.98	308.69	28856
NSR0160	F3A5YR1DAY	3.56	4.03	-0.0033	255.93	256.01	1813
NSR0165	F3A5YR1DAY	4.03	4.00	0.0000	2.62	2.17	440
NSR0170	F3A5YR1DAY	3.70	3.80	0.0000	4.60	3.24	1752
NSR0180	F3A5YR1DAY	3.83	3.95	0.0000	5.52	4.65	2813
NSR0190	F3A5YR1DAY	4.04	3.82	-0.0001	17.76	17.11	2181
NSR0210	F3A5YR1DAY	4.26	3.85	-0.0001	16.12	15.19	2854
NSR0230	F3A5YR1DAY	4.26	3.86	0.0000	16.76	12.70	8393
NSR0250	F3A5YR1DAY	3.93	4.02	0.0046	296.11	295.30	12764
NSR0270	F3A5YR1DAY	3.98	4.10	0.0000	57.55	57.14	14170
NSR0280	F3A5YR1DAY	5.41	5.71	0.0006	216.66	215.39	20991
NSR0281	F3A5YR1DAY	5.97	6.30	0.0004	212.31	211.53	11115
NSR0290	F3A5YR1DAY	6.70	6.70	-0.0008	75.47	73.41	18410
NSR0310	F3A5YR1DAY	9.28	9.26	-0.0001	64.10	62.48	63499
NSR0330	F3A5YR1DAY	9.65	9.63	0.0001	6.86	6.86	470
NSR0350	F3A5YR1DAY	10.32	10.30	0.0001	7.85	6.86	446
NSR0370	F3A5YR1DAY	10.35	10.35	0.0000	8.50	7.85	6555
NSR0390	F3A5YR1DAY	11.96	12.10	0.0001	29.09	27.47	41322
NSR0410	F3A5YR1DAY	12.27	12.36	0.0001	7.76	8.27	510
NSR0430	F3A5YR1DAY	12.28	12.38	0.0000	7.03	7.76	17647
NSR0450	F3A5YR1DAY	13.04	13.87	-0.0001	23.17	21.19	20988
NSR0470	F3A5YR1DAY	13.10	14.07	0.0001	15.52	15.46	1160
NSR0490	F3A5YR1DAY	4.41	4.51	0.0058	128.12	127.96	16438
NSR0510	F3A5YR1DAY	4.48	4.66	0.0020	61.22	61.45	12097
NSR0530	F3A5YR1DAY	4.55	4.69	-0.0003	8.22	7.82	4210
NSR0540	F3A5YR1DAY	4.55	4.82	0.0003	58.34	55.44	63311
NSR0550	F3A5YR1DAY	4.56	4.85	0.0009	305.98	305.60	10204
NSR0560	F3A5YR1DAY	4.66	4.88	0.0003	93.63	98.88	51112
NSR0570	F3A5YR1DAY	5.28	5.36	0.0001	85.03	86.34	38209
NSR0580	F3A5YR1DAY	6.13	6.09	-0.0001	16.06	10.90	57785
NSR0590	F3A5YR1DAY	6.15	6.21	-0.0001	83.67	81.78	33321
NSR0610	F3A5YR1DAY	6.26	6.28	-0.0001	35.21	32.00	47964
NSR0630	F3A5YR1DAY	6.26	6.28	0.0001	16.76	16.82	475

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0650	F3A5YR1DAY	6.25	6.27	0.0000	35.56	18.51	147398
NSR0660	F3A5YR1DAY	6.13	5.98	-0.0001	16.67	7.37	50680
NSR0670	F3A5YR1DAY	6.24	6.26	0.0001	7.00	7.73	520
NSR0680	F3A5YR1DAY	6.14	6.08	-0.0001	14.20	6.48	77235
NSR0690	F3A5YR1DAY	6.24	6.25	0.0001	6.56	7.00	599
NSR0710	F3A5YR1DAY	6.23	6.24	0.0000	6.48	6.56	861
NSR0730	F3A5YR1DAY	6.29	6.32	0.0000	120.33	97.67	138417
NSR0770	F3A5YR1DAY	6.81	6.97	0.0001	94.73	93.63	8835
NSR0780	F3A5YR1DAY	6.74	6.75	-0.0001	8.55	8.12	14016
NSR0790	F3A5YR1DAY	8.35	9.06	-0.0003	308.52	296.15	26606
NSR0791	F3A5YR1DAY	7.13	7.64	-0.0002	204.60	204.57	5596
NSR0809	F3A5YR1DAY	12.76	10.11	0.0004	71.20	93.72	2126
NSR0810	F3A5YR1DAY	13.45	13.43	-0.0002	141.03	140.22	60183
NSR0830	F3A5YR1DAY	15.10	15.18	-0.0001	146.87	140.35	123428
NSR0840	F3A5YR1DAY	16.09	16.07	0.0001	21.04	21.21	32798
NSR0850	F3A5YR1DAY	15.64	15.72	-0.0003	104.96	100.06	78392
NSR0860	F3A5YR1DAY	16.41	16.42	0.0000	6.94	6.84	11812
NSR0869	F3A5YR1DAY	16.03	16.12	0.0001	30.30	30.08	1505
NSR0870	F3A5YR1DAY	16.24	16.37	0.0001	73.35	73.89	31345
NSR0880	F3A5YR1DAY	16.24	16.38	0.0000	27.08	26.11	10853
NSR0881	F3A5YR1DAY	14.14	15.64	0.0004	250.99	235.41	13396
NSR0890	F3A5YR1DAY	4.02	4.10	0.0766	260.58	294.09	38132
NSR0910	F3A5YR1DAY	4.79	4.81	-0.0028	172.24	172.66	16758
NSR0930	F3A5YR1DAY	5.54	5.48	0.0000	68.18	25.76	193969
NSR0950	F3A5YR1DAY	5.63	5.61	0.0004	199.74	198.89	23247
NSR0970	F3A5YR1DAY	6.14	6.12	-0.0002	137.29	137.48	3616
NSR0990	F3A5YR1DAY	6.27	6.24	-0.0001	166.94	167.01	4130
NSR1010	F3A5YR1DAY	6.30	6.28	0.0000	30.19	29.92	9406
NSR1030	F3A5YR1DAY	8.54	8.49	0.0001	137.16	137.10	9310
NSR1050	F3A5YR1DAY	8.56	8.51	0.0000	31.33	30.71	20981
NSR1070	F3A5YR1DAY	9.58	9.56	0.0004	166.69	166.14	22568
NSR1090	F3A5YR1DAY	11.30	11.35	-0.0004	136.30	136.32	7971
NSR1110	F3A5YR1DAY	11.57	11.57	0.0000	2.07	2.06	2903
NSR1130	F3A5YR1DAY	11.29	11.31	0.0000	17.39	16.14	14177
NSR1150	F3A5YR1DAY	11.39	11.40	0.0000	5.16	4.73	6865
NSR1170	F3A5YR1DAY	11.38	11.39	0.0000	4.73	3.81	451
NSR1190	F3A5YR1DAY	12.70	12.96	0.0000	135.51	135.49	13034
NSR1210	F3A5YR1DAY	12.70	12.97	-0.0001	17.72	10.08	64815
NSR1230	F3A5YR1DAY	14.76	14.97	0.0000	134.28	134.21	9552
NSR1270	F3A5YR1DAY	14.99	15.19	0.0000	134.37	134.28	6261
NSR1290	F3A5YR1DAY	14.99	15.19	0.0000	7.98	2.58	18598
NSR1310	F3A5YR1DAY	14.99	15.19	0.0000	22.05	15.67	55071
NSR1330	F3A5YR1DAY	15.44	15.71	0.0000	135.08	132.84	22440
NSR1350	F3A5YR1DAY	15.45	15.72	0.0000	24.94	22.69	57022
NSR1370	F3A5YR1DAY	15.56	15.82	0.0000	128.47	121.18	21929
NSR1390	F3A5YR1DAY	15.56	15.83	0.0000	2.91	2.91	3920
NSR1410	F3A5YR1DAY	15.56	15.83	-0.0001	25.62	24.01	7788

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR1430	F3A5YR1DAY	15.76	15.96	0.0000	38.65	36.00	22922
NSR1450	F3A5YR1DAY	15.74	15.95	0.0000	47.36	35.87	80143
NSR1470	F3A5YR1DAY	15.96	16.03	0.0000	37.29	35.36	28538
NSR1490	F3A5YR1DAY	16.21	16.21	0.0000	45.69	31.98	118678
NSR1510	F3A5YR1DAY	16.21	16.22	0.0000	25.01	23.40	27161
NSR1530	F3A5YR1DAY	15.56	15.82	-0.0001	4.35	2.82	6289
NSR1550	F3A5YR1DAY	15.68	15.93	0.0000	131.06	115.52	33565
NSR1570	F3A5YR1DAY	15.68	15.93	0.0000	3.05	1.49	3097
NSR1590	F3A5YR1DAY	15.68	15.93	-0.0001	43.56	40.74	20223
NSR1610	F3A5YR1DAY	15.75	16.00	-0.0001	16.17	14.90	11248
NSR1630	F3A5YR1DAY	15.75	16.00	0.0000	97.69	82.82	19419
NSR1650	F3A5YR1DAY	16.39	17.07	0.0000	2.45	2.45	436
NSR1670	F3A5YR1DAY	15.92	16.31	-0.0003	36.11	30.63	29120
NSR1690	F3A5YR1DAY	16.24	16.49	0.0000	88.17	71.39	20486
NSR1710	F3A5YR1DAY	16.25	16.49	0.0000	6.26	5.84	2592
NSR1730	F3A5YR1DAY	16.32	16.56	0.0001	87.93	81.50	9663
NSR1750	F3A5YR1DAY	16.68	16.68	0.0000	2.58	2.58	436
NSR1770	F3A5YR1DAY	17.23	17.37	0.0000	25.24	15.55	19293
NSR1790	F3A5YR1DAY	17.24	17.38	0.0000	29.06	17.41	33036
NSR1810	F3A5YR1DAY	17.25	17.38	0.0000	9.60	7.83	12904
NSR1830	F3A5YR1DAY	17.25	17.38	0.0000	43.34	32.92	84956
NSR1850	F3A5YR1DAY	16.95	17.14	0.0000	7.41	7.68	13175
NSR1870	F3A5YR1DAY	16.93	17.14	0.0001	29.31	23.92	53392
NSR1890	F3A5YR1DAY	16.05	17.11	0.0000	13.14	13.57	1056
NSR1910	F3A5YR1DAY	15.45	17.09	0.0005	53.32	49.10	33502
NSR1930	F3A5YR1DAY	16.53	16.74	-0.0002	65.91	65.51	1836
NSR1950	F3A5YR1DAY	16.70	16.90	-0.0001	20.96	20.41	5128
NSR1970	F3A5YR1DAY	16.84	17.14	-0.0001	23.18	19.80	36028
NSR1990	F3A5YR1DAY	16.86	17.10	0.0000	10.28	9.31	949
NSR2010	F3A5YR1DAY	16.91	17.06	-0.0001	12.46	10.28	29467
NSR2030	F3A5YR1DAY	16.90	16.99	-0.0001	7.91	7.93	751
NSR2050	F3A5YR1DAY	16.88	16.89	0.0000	11.48	10.97	15670
NSR2070	F3A5YR1DAY	16.81	16.82	-0.0001	6.16	6.17	781
NSR2090	F3A5YR1DAY	16.72	16.72	0.0000	6.17	6.17	673
NSR2110	F3A5YR1DAY	16.54	16.54	0.0000	14.95	14.26	15181
NSR2130	F3A5YR1DAY	16.50	16.50	0.0000	14.48	9.71	89428
NSR2150	F3A5YR1DAY	17.60	16.99	0.0000	48.52	42.02	123948
NSR2170	F3A5YR1DAY	17.62	17.12	0.0000	30.16	30.04	2087
NSR2190	F3A5YR1DAY	17.62	17.17	-0.0001	30.27	30.16	967
NSR2210	F3A5YR1DAY	17.62	17.26	0.0000	37.48	26.12	81508
NSR2230	F3A5YR1DAY	17.62	17.21	0.0001	21.09	20.56	675
NSR2250	F3A5YR1DAY	17.63	17.26	-0.0001	22.52	21.09	10560
NSR2270	F3A5YR1DAY	17.63	17.27	0.0001	25.02	20.68	20887
NSR2290	F3A5YR1DAY	17.63	17.28	-0.0001	18.01	17.73	888
NSR2310	F3A5YR1DAY	17.63	17.30	0.0000	19.36	18.01	14530
NSR2330	F3A5YR1DAY	17.65	17.78	0.0000	18.83	12.89	29725
NSR2350	F3A5YR1DAY	17.65	17.79	0.0001	19.29	11.83	34770

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR2370	F3A5YR1DAY	16.66	16.76	0.0000	21.68	16.87	9676
NSR2390	F3A5YR1DAY	18.07	17.99	0.0000	10.04	3.24	58979
NSR2410	F3A5YR1DAY	16.66	16.76	0.0000	32.95	21.68	17707
NSR2430	F3A5YR1DAY	17.99	17.98	0.0000	2.25	2.24	2699
NSR2450	F3A5YR1DAY	18.06	18.07	0.0000	29.86	29.35	15280
NSR3000	F3A5YR1DAY	17.04	17.14	-0.0727	6.65	49.45	1053
NSR3005	F3A5YR1DAY	17.02	17.14	0.1453	49.45	4.01	566
NSR3020	F3A5YR1DAY	17.61	17.71	-0.0001	32.32	29.93	67988
NSR3040	F3A5YR1DAY	16.25	16.38	0.0000	59.81	55.31	36198
NSR3060	F3A5YR1DAY	16.21	16.21	-0.0001	18.27	16.53	41770
NSW0010	F3A5YR1DAY	2.00	2.00	0.0000	22.74	0.00	0
NSW0030	F3A5YR1DAY	2.13	2.67	-0.0004	22.77	22.74	587
NSW0050	F3A5YR1DAY	4.04	4.07	-0.0001	22.99	22.77	959
Outfall	F3A5YR1DAY	2.00	2.00	0.0000	46.89	0.00	0
Outfall_NE	F3A5YR1DAY	21.00	19.86	0.0002	8.45	0.00	0
PondA	F3A5YR1DAY	0.00	18.02	0.0294	17.66	10.50	25360
PondB	F3A5YR1DAY	0.00	14.36	0.0000	91.84	60.26	71010
SH_OUTFALL	F3A5YR1DAY	2.00	2.00	0.0000	807.69	51.52	0
STORAGE1	F3A5YR1DAY	0.00	19.02	0.0000	3.35	1.13	7405
STORAGE10	F3A5YR1DAY	0.00	20.06	0.0000	2.17	0.00	9148
STORAGE11	F3A5YR1DAY	0.00	20.72	0.0000	10.01	0.01	18648
STORAGE12	F3A5YR1DAY	0.00	19.92	0.0002	52.20	5.91	10262
STORAGE13	F3A5YR1DAY	0.00	17.06	0.0000	0.67	0.05	5323
STORAGE14	F3A5YR1DAY	0.00	20.79	0.0000	3.12	0.00	13395
STORAGE2	F3A5YR1DAY	0.00	18.01	0.0000	6.74	1.55	18426
STORAGE4	F3A5YR1DAY	0.00	18.05	0.0000	8.47	2.19	12088
STORAGE5	F3A5YR1DAY	0.00	21.06	0.0000	18.22	4.69	19955
STORAGE8	F3A5YR1DAY	0.00	14.94	0.0000	0.00	0.00	100
STORAGE9	F3A5YR1DAY	0.00	18.43	0.0000	6.06	1.49	11761
Sevilla1	F3A5YR1DAY	1.20	2.07	0.0000	0.03	0.03	804
Sevilla2	F3A5YR1DAY	1.23	2.04	0.0000	0.01	0.01	609
Sevilla3	F3A5YR1DAY	1.20	2.07	0.0000	0.08	0.08	1339
Sevilla4	F3A5YR1DAY	1.20	2.07	0.0000	0.14	0.14	1450
Shamrock2	F3A5YR1DAY	1.11	2.04	0.0001	46.90	46.89	5389
Shmrck1.1	F3A5YR1DAY	1.38	2.13	0.0001	46.84	46.87	6206
Shmrck1.2	F3A5YR1DAY	1.20	2.07	-0.0001	46.87	46.91	3971
THEA_JUNCT 1	F3A5YR1DAY	0.00	13.88	0.0000	28.49	28.48	667
THEA_JUNCT 2	F3A5YR1DAY	0.00	13.26	0.0000	28.48	28.47	501
THEA_Watrous	F3A5YR1DAY	0.00	15.07	0.0002	28.58	28.49	814
V3	F3A5YR1DAY	6.53	6.53	0.0000	0.00	0.00	436
BC_N02	F3A5YR8HR	0.00	18.00	0.0000	0.00	0.00	0
Church1	F3A5YR8HR	8.77	8.91	0.0000	0.16	0.05	518
Church2	F3A5YR8HR	8.77	8.91	0.0000	4.03	3.69	4390
Clark1	F3A5YR8HR	7.21	7.51	0.0000	0.49	0.29	742

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Clark2	F3A5YR8HR	7.21	7.51	0.0000	51.96	51.95	4366
DM1	F3A5YR8HR	11.42	11.51	0.0000	4.10	4.11	1371
DM2	F3A5YR8HR	10.30	10.33	0.0000	4.11	4.04	2100
DM3	F3A5YR8HR	9.16	9.21	0.0000	4.04	4.03	2968
E_Outlet	F3A5YR8HR	0.00	16.05	0.0003	67.56	18.81	0
E_Outlet2	F3A5YR8HR	0.00	17.00	0.0000	0.00	0.00	0
EIP_Hes.1	F3A5YR8HR	1.99	2.46	0.0000	0.26	0.27	763
EIP_con.1	F3A5YR8HR	2.18	2.57	-0.0001	51.86	51.86	4221
ElPrad.1	F3A5YR8HR	1.99	2.46	0.0000	0.12	0.11	632
G1	F3A5YR8HR	14.98	15.39	-0.0005	60.25	47.81	37890
G10	F3A5YR8HR	8.77	8.90	0.0000	51.97	51.96	4602
G2	F3A5YR8HR	14.99	15.38	0.0001	14.95	14.54	32943
G3	F3A5YR8HR	14.86	15.34	-0.0005	61.70	61.60	27826
G4	F3A5YR8HR	12.82	14.34	-0.0007	61.60	60.02	57230
G5	F3A5YR8HR	11.69	12.41	0.0000	58.60	58.59	1864
G6	F3A5YR8HR	11.00	9.24	0.0000	9.12	0.00	0
G7	F3A5YR8HR	11.00	11.23	0.0000	58.59	58.59	3601
G8	F3A5YR8HR	10.07	10.32	0.0000	49.47	49.47	2143
G9	F3A5YR8HR	9.41	9.70	0.0000	49.47	49.47	1353
H1	F3A5YR8HR	1.99	2.46	0.0000	0.10	0.11	514
H2.1	F3A5YR8HR	1.99	2.46	-0.0001	51.86	51.85	6105
Hubert	F3A5YR8HR	3.16	3.33	0.0000	51.94	51.92	5965
JUNCT1	F3A5YR8HR	0.00	13.71	0.0000	0.26	0.25	913
JUNCT10	F3A5YR8HR	0.00	21.91	0.0000	34.18	34.13	9130
JUNCT2	F3A5YR8HR	0.00	13.52	0.0000	0.06	0.01	473
JUNCT3	F3A5YR8HR	0.00	19.64	0.0000	0.00	0.00	436
JUNCT4	F3A5YR8HR	0.00	13.57	0.0000	1.28	1.28	3653
JUNCT6	F3A5YR8HR	0.00	15.02	0.0000	6.50	6.48	2648
JUNCT7	F3A5YR8HR	0.00	19.31	0.0000	55.72	55.70	8386
JUNCT7B	F3A5YR8HR	0.00	18.85	0.0000	55.95	55.67	23358
JUNCT8	F3A5YR8HR	0.00	19.34	0.0000	95.78	95.84	11626
JUNCT8B	F3A5YR8HR	0.00	18.85	0.0000	94.30	94.06	38297
JUNCT9	F3A5YR8HR	0.00	29.39	0.0000	27.86	27.89	9025
L1	F3A5YR8HR	11.53	11.59	0.0000	1.42	0.70	51695
L2	F3A5YR8HR	11.63	11.63	0.0000	0.00	0.00	436
L3	F3A5YR8HR	10.43	10.43	0.0000	0.00	0.00	436
L4	F3A5YR8HR	8.43	8.43	0.0000	0.00	0.00	436
L5	F3A5YR8HR	7.63	7.63	0.0000	0.00	0.00	436
L6	F3A5YR8HR	6.93	6.93	0.0000	0.00	0.00	436
Lois	F3A5YR8HR	4.82	4.81	0.0000	51.95	51.94	6808
M1	F3A5YR8HR	2.58	2.84	0.0000	0.29	0.31	743
M1.1	F3A5YR8HR	6.33	6.36	0.0000	0.47	0.29	18578
M1.2	F3A5YR8HR	7.03	7.06	0.0000	0.42	0.47	17036
M1.3	F3A5YR8HR	7.13	7.18	0.0000	0.70	0.42	28487
M2	F3A5YR8HR	2.58	2.84	0.0000	0.42	0.43	1064
M3	F3A5YR8HR	2.58	2.84	0.0000	0.55	0.72	1165
M4	F3A5YR8HR	2.58	2.85	0.0000	0.87	1.06	908

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
M5.1	F3A5YR8HR	2.57	2.85	0.0000	51.92	51.89	6162
M6	F3A5YR8HR	2.58	2.85	0.0000	0.29	0.22	558
N01	F3A5YR8HR	0.00	19.13	0.0000	14.25	11.98	16756
N01A	F3A5YR8HR	0.00	18.70	0.0001	8.17	8.08	456
N02	F3A5YR8HR	0.00	14.68	-0.0001	13.68	13.67	690
N03	F3A5YR8HR	0.00	16.34	0.0000	0.78	0.77	583
N04	F3A5YR8HR	0.00	17.49	0.0000	3.84	3.83	564
N05	F3A5YR8HR	0.00	14.64	0.0000	44.92	43.18	4410
N06	F3A5YR8HR	0.00	13.87	-0.0002	62.09	62.64	3292
N07A	F3A5YR8HR	0.00	12.32	-0.0001	68.79	69.09	4248
N08A	F3A5YR8HR	0.00	11.12	0.0002	91.74	91.84	1955
N09	F3A5YR8HR	0.00	9.85	0.0000	6.64	6.91	468
N09A	F3A5YR8HR	0.00	9.78	-0.0001	97.33	97.38	1361
N10	F3A5YR8HR	2.00	2.00	0.0000	177.36	0.00	0
N11	F3A5YR8HR	0.00	16.30	-0.0003	46.33	67.56	94464
NBB0010	F3A5YR8HR	2.00	2.00	0.0000	115.76	0.00	0
NBB0030	F3A5YR8HR	5.03	5.94	0.0003	115.77	115.76	557
NBB0050	F3A5YR8HR	9.15	9.89	0.0001	117.85	115.77	9627
NBB0070	F3A5YR8HR	11.30	11.97	0.0000	104.55	104.41	2549
NBB0090	F3A5YR8HR	12.67	13.20	0.0001	93.32	93.57	1994
NBB0110	F3A5YR8HR	13.46	13.94	0.0001	90.37	90.56	1982
NBB0130	F3A5YR8HR	15.26	15.78	-0.0001	27.14	24.55	23647
NBB0150	F3A5YR8HR	14.01	14.44	0.0001	70.31	70.49	1935
NBB0170	F3A5YR8HR	14.74	15.11	0.0001	70.14	70.31	1452
NBB0190	F3A5YR8HR	15.42	15.73	0.0001	69.97	70.14	1782
NBB0210	F3A5YR8HR	15.70	16.03	0.0001	67.19	67.36	1555
NBB0230	F3A5YR8HR	16.02	16.38	0.0001	67.02	67.19	1635
NBB0250	F3A5YR8HR	16.31	16.65	0.0001	66.08	66.25	2036
NBB0270	F3A5YR8HR	17.05	17.16	0.0001	65.69	66.08	6168
NBB0290	F3A5YR8HR	17.06	17.17	0.0001	53.26	53.47	1258
NBB0310	F3A5YR8HR	17.07	17.18	-0.0001	117.81	96.83	277789
NBB0330	F3A5YR8HR	16.57	16.64	0.0001	34.61	34.39	8439
NBB0350	F3A5YR8HR	16.45	16.57	0.0001	24.71	25.66	1396
NBB0370	F3A5YR8HR	16.33	16.50	0.0001	55.50	48.10	48204
NBB0390	F3A5YR8HR	16.32	16.50	0.0001	18.57	19.36	1833
NBB0410	F3A5YR8HR	16.30	16.49	-0.0002	53.52	49.79	33792
NBB0430	F3A5YR8HR	15.45	15.56	-0.0002	68.69	69.45	65325
NBW0010	F3A5YR8HR	2.00	2.00	0.0000	591.97	0.00	0
NBW0030	F3A5YR8HR	3.39	3.52	0.0000	592.07	591.97	40076
NBW0050	F3A5YR8HR	3.92	3.83	0.0000	6.29	5.38	4931
NBW0070	F3A5YR8HR	3.57	3.74	0.0000	196.75	197.73	28459
NBW0090	F3A5YR8HR	3.66	3.69	0.0000	4.27	3.86	6827
NBW0130	F3A5YR8HR	3.73	3.93	0.0000	194.50	194.71	14292
NBW0150	F3A5YR8HR	3.93	3.95	0.0001	6.46	6.36	442
NBW0170	F3A5YR8HR	3.98	3.96	0.0000	2.92	2.58	3730
NBW0190	F3A5YR8HR	3.89	4.09	-0.0001	191.98	192.03	5874
NBW0210	F3A5YR8HR	6.25	6.22	0.0000	5.07	5.05	4655

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW0230	F3A5YR8HR	4.01	4.23	-0.0001	190.37	190.44	3099
NBW0250	F3A5YR8HR	4.88	5.18	0.0000	188.97	189.02	5467
NBW0270	F3A5YR8HR	5.49	5.38	0.0000	25.82	24.55	14107
NBW0290	F3A5YR8HR	5.91	5.83	0.0000	19.94	19.85	9888
NBW0310	F3A5YR8HR	6.38	6.08	0.0000	6.72	6.71	743
NBW0330	F3A5YR8HR	5.50	5.89	0.0000	181.27	181.39	21954
NBW0350	F3A5YR8HR	4.97	4.92	0.0000	4.84	4.83	2454
NBW0370	F3A5YR8HR	5.52	5.90	0.0001	6.31	5.84	2956
NBW0390	F3A5YR8HR	5.52	5.90	0.0001	5.94	5.09	14674
NBW0410	F3A5YR8HR	5.54	5.93	-0.0001	176.01	176.28	3446
NBW0430	F3A5YR8HR	5.89	6.28	-0.0001	3.55	3.19	3357
NBW0450	F3A5YR8HR	5.89	6.28	0.0001	176.80	176.01	11118
NBW0470	F3A5YR8HR	5.89	6.28	-0.0001	2.59	2.24	2368
NBW0490	F3A5YR8HR	5.92	6.32	-0.0001	174.49	174.84	2764
NBW0510	F3A5YR8HR	6.72	6.58	0.0000	2.05	2.05	1649
NBW0530	F3A5YR8HR	6.22	6.65	0.0000	174.11	174.00	4799
NBW0550	F3A5YR8HR	6.72	7.19	0.0000	113.11	103.18	147754
NBW0570	F3A5YR8HR	7.09	7.20	0.0000	105.94	105.52	8336
NBW0590	F3A5YR8HR	10.03	9.93	-0.0004	130.23	129.28	77741
NBW0610	F3A5YR8HR	6.45	6.87	0.0000	155.49	155.46	7780
NBW0630	F3A5YR8HR	6.22	6.65	0.0000	2.71	2.07	12822
NBW0650	F3A5YR8HR	6.66	7.14	0.0000	156.36	155.43	20748
NBW0670	F3A5YR8HR	6.66	7.14	0.0000	4.34	3.33	18897
NBW0690	F3A5YR8HR	6.71	7.18	0.0001	113.78	114.79	9223
NBW0710	F3A5YR8HR	6.71	7.18	0.0000	8.34	6.71	25912
NBW0730	F3A5YR8HR	6.72	7.19	-0.0001	105.90	109.75	149765
NBW0750	F3A5YR8HR	7.06	7.30	0.0001	112.74	107.95	83023
NBW0770	F3A5YR8HR	7.06	7.30	-0.0001	14.44	11.93	13889
NBW0790	F3A5YR8HR	8.11	7.68	0.0000	12.31	12.16	761
NBW0810	F3A5YR8HR	7.06	7.30	0.0000	30.43	24.20	24389
NBW0830	F3A5YR8HR	8.41	7.69	0.0000	20.02	19.89	1326
NBW0850	F3A5YR8HR	10.17	8.06	0.0000	18.38	18.26	755
NBW0870	F3A5YR8HR	7.06	7.33	0.0000	55.59	51.57	100476
NBW0890	F3A5YR8HR	7.06	7.31	0.0002	17.98	18.80	1027
NBW0910	F3A5YR8HR	7.06	7.31	0.0000	79.98	78.02	98176
NBW0930	F3A5YR8HR	8.03	7.61	0.0000	37.56	37.54	1301
NBW0950	F3A5YR8HR	8.82	8.05	0.0000	40.30	37.56	35327
NBW0970	F3A5YR8HR	8.82	8.05	0.0001	32.32	32.03	11644
NBW0990	F3A5YR8HR	8.82	8.11	-0.0001	20.89	21.01	785
NBW1010	F3A5YR8HR	8.83	8.51	0.0000	31.47	31.46	1189
NBW1030	F3A5YR8HR	9.19	9.95	-0.0001	46.70	30.68	42890
NBW1050	F3A5YR8HR	9.30	9.97	-0.0001	18.75	18.44	900
NBW1070	F3A5YR8HR	9.34	9.97	-0.0001	83.97	79.40	59449
NBW1090	F3A5YR8HR	3.78	3.90	0.0000	391.45	391.30	12166
NBW1130	F3A5YR8HR	4.51	4.50	0.0000	13.66	11.27	14252
NBW1150	F3A5YR8HR	4.53	4.51	0.0000	11.28	9.23	37879
NBW1169	F3A5YR8HR	4.09	4.18	0.0000	379.58	379.41	16376

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW1170	F3A5YR8HR	4.30	4.40	0.0001	372.98	372.92	5977
NBW1190	F3A5YR8HR	6.13	6.21	-0.0001	27.99	26.70	50404
NBW1210	F3A5YR8HR	7.17	7.07	-0.0003	75.86	45.11	91535
NBW1230	F3A5YR8HR	7.17	7.08	-0.0002	95.77	63.77	143207
NBW1250	F3A5YR8HR	4.74	4.84	-0.0001	341.32	339.65	7384
NBW1270	F3A5YR8HR	6.14	6.21	-0.0001	6.91	6.99	14007
NBW1310	F3A5YR8HR	5.21	5.26	-0.0001	365.81	340.68	8354
NBW1330	F3A5YR8HR	7.56	8.01	0.0011	302.08	324.33	2993
NBW1350	F3A5YR8HR	10.95	9.77	0.0001	20.13	21.04	490
NBW1351	F3A5YR8HR	8.89	9.55	0.0002	255.70	255.34	8277
NBW1352	F3A5YR8HR	9.96	10.79	0.0004	249.23	249.26	7956
NBW1353	F3A5YR8HR	11.01	12.00	-0.0004	246.01	246.20	5636
NBW1370	F3A5YR8HR	10.02	10.32	0.0002	199.31	199.18	6358
NBW1390	F3A5YR8HR	15.24	15.31	-0.0004	229.01	225.76	121922
NBW1410	F3A5YR8HR	15.58	15.60	0.0002	180.86	176.04	21438
NBW1430	F3A5YR8HR	15.79	15.75	0.0002	153.30	160.74	19525
NBW1450	F3A5YR8HR	16.94	16.89	-0.0004	192.57	192.40	104439
NBW1460	F3A5YR8HR	16.43	16.40	-0.0002	148.94	149.87	3519
NBW1470	F3A5YR8HR	17.14	17.15	-0.0002	195.23	192.14	138895
NBW1480	F3A5YR8HR	18.11	18.13	0.0000	7.72	7.39	15274
NBW1490	F3A5YR8HR	17.86	17.91	-0.0001	127.55	123.87	50617
NBW1510	F3A5YR8HR	18.12	18.14	0.0002	112.61	111.54	15855
NBW1530	F3A5YR8HR	17.92	17.99	0.0001	13.98	12.10	1239
NBW1550	F3A5YR8HR	17.75	17.84	0.0001	22.62	21.23	11716
NBW1570	F3A5YR8HR	18.21	18.27	0.0001	108.88	106.33	2604
NBW1590	F3A5YR8HR	18.12	18.15	-0.0001	32.87	30.51	15461
NBW1610	F3A5YR8HR	18.13	18.15	0.0000	23.23	22.94	6218
NBW1630	F3A5YR8HR	18.13	18.15	0.0000	12.65	12.57	1671
NBW1650	F3A5YR8HR	18.81	18.85	0.0000	11.35	10.19	4205
NBW1670	F3A5YR8HR	18.89	18.90	0.0000	18.56	18.29	5552
NBW1690	F3A5YR8HR	19.03	18.96	0.0000	11.05	11.02	7978
NBW1710	F3A5YR8HR	19.26	18.96	0.0001	2.94	1.46	998
NBW1730	F3A5YR8HR	18.65	18.79	0.0003	131.27	97.80	172287
NBW1750	F3A5YR8HR	18.82	18.80	0.0001	77.31	74.80	22485
NBW1770	F3A5YR8HR	18.82	18.85	0.0001	64.45	60.99	53209
NBW1790	F3A5YR8HR	18.91	18.91	0.0001	14.78	14.73	1890
NBW1820	F3A5YR8HR	18.72	18.72	0.0000	35.02	28.55	81793
NBW1830	F3A5YR8HR	18.74	18.82	0.0001	56.44	56.79	7981
NBW1840	F3A5YR8HR	18.39	18.44	-0.0001	65.52	60.95	84056
NBW1850	F3A5YR8HR	18.74	18.82	0.0001	65.50	56.47	72544
NBW1860	F3A5YR8HR	18.39	18.44	-0.0001	7.87	7.28	17195
NBW1870	F3A5YR8HR	18.72	18.73	-0.0002	21.16	18.38	25864
NBW1890	F3A5YR8HR	19.06	18.90	0.0001	32.33	32.71	2614
NBW1910	F3A5YR8HR	19.27	18.96	0.0001	39.22	38.92	1873
NBW1930	F3A5YR8HR	19.27	19.03	0.0001	35.68	35.18	3087
NBW1950	F3A5YR8HR	18.97	18.95	0.0000	4.39	2.65	450
NBW1970	F3A5YR8HR	18.96	18.95	0.0000	5.96	5.91	2200

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW1990	F3A5YR8HR	19.27	19.15	0.0001	41.31	39.91	41480
NBW2010	F3A5YR8HR	19.65	19.32	0.0001	9.88	9.18	3321
NBW2030	F3A5YR8HR	19.65	19.32	0.0001	8.74	8.65	9077
NBW2050	F3A5YR8HR	19.26	19.25	0.0001	25.31	21.90	49438
NBW2060	F3A5YR8HR	0.00	19.48	0.0000	10.70	10.34	24058
NBW2070	F3A5YR8HR	19.26	19.25	0.0001	61.70	57.62	80952
NBW2090	F3A5YR8HR	19.10	18.33	0.0001	66.27	60.37	2745
NBW2110	F3A5YR8HR	18.92	17.13	0.0001	74.63	71.59	3797
NBW2130	F3A5YR8HR	18.92	16.61	-0.0001	74.64	73.19	1726
NBW2140	F3A5YR8HR	20.00	16.98	0.0000	5.83	5.36	651
NBW2145	F3A5YR8HR	0.00	17.92	0.0000	8.38	8.18	436
NBW2150	F3A5YR8HR	19.26	19.52	0.0001	47.87	47.22	13539
NBW2170	F3A5YR8HR	19.12	19.57	0.0002	12.10	4.06	921
NBW2190	F3A5YR8HR	19.10	19.59	0.0001	6.30	3.26	3349
NBW2210	F3A5YR8HR	19.47	19.61	0.0001	42.78	43.15	4355
NBW2230	F3A5YR8HR	19.47	19.68	-0.0002	31.28	30.51	39494
NBW2250	F3A5YR8HR	19.51	19.65	0.0001	32.99	33.43	2380
NBW2270	F3A5YR8HR	19.57	19.68	0.0001	32.12	32.55	4912
NBW2290	F3A5YR8HR	19.65	19.68	-0.0002	20.34	19.53	72933
NBW2310	F3A5YR8HR	19.82	19.74	-0.0002	20.26	20.53	83042
NBW2330	F3A5YR8HR	19.82	19.74	-0.0002	13.90	12.15	45047
NBW2350	F3A5YR8HR	16.05	16.10	0.0001	62.55	62.00	30749
NBW2370	F3A5YR8HR	16.11	16.15	-0.0001	11.64	11.15	58926
NBW2380	F3A5YR8HR	12.29	13.50	-0.0003	243.73	243.95	10756
NBW2385	F3A5YR8HR	18.49	18.48	0.0000	2.27	2.27	6442
NBW2387	F3A5YR8HR	16.11	15.70	0.0000	0.35	0.34	476
NBW2390	F3A5YR8HR	16.42	16.74	0.0001	39.93	39.89	2672
NBW2410	F3A5YR8HR	16.59	17.70	-0.0001	39.55	32.55	80736
NBW2430	F3A5YR8HR	16.23	17.70	-0.0001	85.60	83.79	38106
NBW2450	F3A5YR8HR	16.15	17.65	-0.0001	151.06	156.31	4396
NBW2470	F3A5YR8HR	16.43	17.77	-0.0001	123.98	118.07	34558
NBW2490	F3A5YR8HR	16.90	17.77	-0.0001	72.37	72.21	19460
NBW2510	F3A5YR8HR	17.74	17.85	-0.0001	70.05	69.79	2032
NBW2530	F3A5YR8HR	17.92	17.99	0.0001	62.09	62.58	2011
NBW2550	F3A5YR8HR	17.95	18.00	0.0000	1.74	2.90	450
NBW2570	F3A5YR8HR	17.96	18.01	0.0000	1.82	1.74	3529
NBW2590	F3A5YR8HR	18.06	18.09	-0.0001	50.36	50.81	1098
NBW2610	F3A5YR8HR	17.00	17.80	-0.0007	129.40	121.81	49699
NBW2630	F3A5YR8HR	17.98	18.02	0.0001	122.71	120.60	39015
NBW2650	F3A5YR8HR	16.97	17.79	-0.0003	28.00	28.86	12801
NBW2670	F3A5YR8HR	16.42	17.76	-0.0001	29.99	30.90	9566
NBW2680	F3A5YR8HR	17.73	17.82	-0.0001	31.37	32.40	20595
NBW2690	F3A5YR8HR	15.40	17.14	0.0002	231.39	232.92	41830
NBW2710	F3A5YR8HR	17.73	17.82	-0.0001	2.19	3.63	533
NBW2730	F3A5YR8HR	18.29	18.28	0.0000	1.22	0.49	4356
NBW2770	F3A5YR8HR	18.09	18.12	0.0000	13.31	13.36	1310
NBW2775	F3A5YR8HR	6.59	6.50	0.0000	7.66	4.90	23575

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW2780	F3A5YR8HR	18.38	18.42	-0.0003	47.60	39.41	63890
NBW2790	F3A5YR8HR	18.38	18.43	-0.0001	138.34	138.86	85970
NBW2810	F3A5YR8HR	18.39	18.44	-0.0002	54.04	54.41	68050
NBW2830	F3A5YR8HR	18.40	18.45	-0.0001	37.10	35.34	107679
NC01	F3A5YR8HR	0.00	3.75	0.0000	6.91	6.90	699
NC01B	F3A5YR8HR	0.00	5.78	0.0000	8.96	8.86	4045
NC02	F3A5YR8HR	0.00	7.68	0.0000	102.81	102.83	1891
NC03	F3A5YR8HR	0.00	4.65	-0.0001	116.45	116.44	1747
NC04	F3A5YR8HR	0.00	3.27	0.0000	24.79	23.31	20155
NC05	F3A5YR8HR	0.00	3.26	-0.0001	25.17	23.70	33604
NC06	F3A5YR8HR	0.00	3.17	0.0000	25.29	24.79	14076
NC07	F3A5YR8HR	0.00	3.15	0.0000	16.61	16.41	12794
NC08	F3A5YR8HR	0.00	3.13	0.0000	19.54	19.39	9581
NCL0010	F3A5YR8HR	2.00	2.00	0.0000	532.59	0.00	0
NCL0030	F3A5YR8HR	2.36	2.71	0.0002	468.53	468.48	6856
NCL0050	F3A5YR8HR	2.36	2.71	0.0000	0.53	0.55	439
NCL0070	F3A5YR8HR	5.20	5.21	0.0000	82.64	81.58	30526
NCL0090	F3A5YR8HR	6.06	5.98	-0.0001	30.10	25.94	57519
NCL0110	F3A5YR8HR	3.04	3.23	-0.0009	550.91	550.90	6623
NCL0130	F3A5YR8HR	4.05	3.30	-0.0002	99.33	99.42	565
NCL0150	F3A5YR8HR	4.95	3.83	0.0000	99.37	99.33	2802
NCL0170	F3A5YR8HR	5.08	3.92	-0.0001	57.32	57.68	1380
NCL0190	F3A5YR8HR	5.08	3.93	0.0000	1.52	1.51	438
NCL0210	F3A5YR8HR	5.85	4.26	-0.0001	74.77	74.93	1234
NCL0230	F3A5YR8HR	6.60	4.90	0.0000	18.17	18.01	564
NCL0250	F3A5YR8HR	6.60	4.90	0.0000	0.63	0.77	538
NCL0270	F3A5YR8HR	6.60	5.79	0.0000	2.74	2.74	1001
NCL0290	F3A5YR8HR	5.90	4.41	-0.0001	52.64	52.77	924
NCL0310	F3A5YR8HR	6.10	5.07	0.0006	52.55	52.64	1045
NCL0330	F3A5YR8HR	5.95	5.07	0.0000	0.77	1.94	513
NCL0350	F3A5YR8HR	6.60	5.68	-0.0002	61.49	59.21	14672
NCL0370	F3A5YR8HR	7.36	7.16	-0.0001	44.51	44.16	9352
NCL0390	F3A5YR8HR	4.02	4.14	-0.0021	441.38	463.38	4339
NCL0410	F3A5YR8HR	4.09	4.18	-0.0002	3.52	3.56	819
NCL0430	F3A5YR8HR	4.23	4.22	0.0000	3.56	3.52	639
NCL0450	F3A5YR8HR	4.75	4.83	-0.0016	435.16	435.21	3676
NCL0470	F3A5YR8HR	5.43	5.47	-0.0010	431.56	431.61	3437
NCL0490	F3A5YR8HR	6.48	6.47	-0.0005	453.25	454.26	26418
NCL0510	F3A5YR8HR	6.67	6.58	0.0002	24.76	24.70	1151
NCL0530	F3A5YR8HR	8.10	7.36	0.0004	40.47	16.15	1179
NCL0550	F3A5YR8HR	8.17	7.39	-0.0002	16.30	40.47	878
NCL0570	F3A5YR8HR	8.66	7.51	0.0000	8.18	8.10	839
NCL0590	F3A5YR8HR	7.00	7.00	0.0011	417.04	417.02	3392
NCL0610	F3A5YR8HR	7.52	7.56	0.0007	410.99	410.99	3640
NCL0630	F3A5YR8HR	8.06	8.14	-0.0004	408.65	408.75	4608
NCL0650	F3A5YR8HR	8.12	8.19	-0.0003	46.31	102.61	1613
NCL0670	F3A5YR8HR	8.67	8.70	0.0002	128.33	46.31	1693

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL0690	F3A5YR8HR	8.76	8.77	0.0002	28.64	35.14	605
NCL0710	F3A5YR8HR	8.95	8.92	-0.0001	29.61	28.27	600
NCL0730	F3A5YR8HR	9.26	9.17	-0.0002	31.31	29.61	554
NCL0750	F3A5YR8HR	9.56	9.42	0.0000	51.31	49.28	39723
NCL0770	F3A5YR8HR	10.12	9.94	0.0000	33.35	33.28	2178
NCL0790	F3A5YR8HR	8.69	8.72	-0.0003	27.98	101.59	895
NCL0810	F3A5YR8HR	8.84	8.87	0.0001	27.99	27.98	1379
NCL0830	F3A5YR8HR	8.93	9.14	0.0006	358.82	361.48	26710
NCL0850	F3A5YR8HR	9.01	9.17	-0.0001	58.92	56.36	9144
NCL0870	F3A5YR8HR	9.37	9.26	0.0002	78.96	78.82	2022
NCL0890	F3A5YR8HR	9.65	9.32	-0.0001	60.36	60.21	1589
NCL0910	F3A5YR8HR	9.71	9.33	-0.0001	4.05	3.90	486
NCL0930	F3A5YR8HR	9.57	9.45	-0.0001	56.62	56.47	2107
NCL0950	F3A5YR8HR	9.89	9.61	0.0000	46.20	46.03	3222
NCL0970	F3A5YR8HR	10.41	9.81	0.0000	27.87	27.69	2252
NCL0990	F3A5YR8HR	11.00	9.99	0.0000	18.92	18.68	1483
NCL1010	F3A5YR8HR	11.14	10.04	0.0000	4.07	3.98	638
NCL1030	F3A5YR8HR	9.67	9.29	-0.0002	21.01	33.52	1478
NCL1050	F3A5YR8HR	10.46	9.30	0.0001	3.88	3.72	600
NCL1070	F3A5YR8HR	9.30	10.07	0.0001	3.57	3.66	628
NCL1090	F3A5YR8HR	9.76	10.21	0.0000	21.74	13.34	18278
NCL1110	F3A5YR8HR	9.85	9.90	0.0000	16.61	16.68	2088
NCL1130	F3A5YR8HR	9.76	10.21	-0.0001	16.55	15.80	33977
NCL1150	F3A5YR8HR	9.76	10.22	0.0001	420.12	422.06	186937
NCL1170	F3A5YR8HR	10.59	11.24	0.0004	366.77	336.98	91508
NCL1190	F3A5YR8HR	10.72	11.30	0.0001	54.35	54.15	1850
NCL1210	F3A5YR8HR	10.63	11.26	0.0001	19.64	12.60	49826
NCL1230	F3A5YR8HR	10.94	11.38	0.0001	54.55	54.35	1432
NCL1250	F3A5YR8HR	11.11	11.46	-0.0001	54.75	54.55	1231
NCL1270	F3A5YR8HR	11.34	11.56	0.0001	57.49	57.31	1226
NCL1290	F3A5YR8HR	13.06	12.66	0.0000	29.00	28.63	1126
NCL1310	F3A5YR8HR	14.77	14.39	0.0000	21.26	20.37	3692
NCL1330	F3A5YR8HR	10.60	11.24	-0.0002	148.68	154.33	77286
NCL1350	F3A5YR8HR	10.63	11.26	0.0001	151.21	147.04	53784
NCL1370	F3A5YR8HR	10.63	11.26	-0.0002	16.26	21.23	1667
NCL1390	F3A5YR8HR	10.63	11.27	0.0001	5.70	5.52	1426
NCL1410	F3A5YR8HR	10.63	11.27	-0.0001	4.11	3.90	1114
NCL1430	F3A5YR8HR	10.70	11.33	0.0004	421.57	379.18	151962
NCL1450	F3A5YR8HR	10.93	11.89	0.0007	388.23	388.05	3036
NCL1470	F3A5YR8HR	12.72	13.20	0.0002	323.61	323.45	4433
NCL1490	F3A5YR8HR	14.45	14.31	0.0000	2.90	2.89	762
NCL1510	F3A5YR8HR	11.06	11.95	-0.0008	47.89	79.88	862
NCL1530	F3A5YR8HR	12.54	12.60	-0.0002	54.68	54.08	7301
NCL1550	F3A5YR8HR	13.13	13.08	-0.0001	39.62	39.28	1021
NCL1570	F3A5YR8HR	13.31	13.16	0.0000	2.55	2.50	504
NCL1590	F3A5YR8HR	13.70	13.67	0.0000	1.12	1.12	1307
NCL1610	F3A5YR8HR	13.37	13.19	0.0000	1.53	1.44	469

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL1630	F3A5YR8HR	13.57	13.45	-0.0002	52.90	49.95	2658
NCL1650	F3A5YR8HR	13.68	13.52	0.0002	49.12	52.03	1293
NCL1670	F3A5YR8HR	14.02	13.67	0.0000	14.90	14.89	901
NCL1690	F3A5YR8HR	17.47	17.17	0.0000	36.14	36.10	1258
NCL1710	F3A5YR8HR	17.89	17.52	0.0000	33.63	33.16	614
NCL1730	F3A5YR8HR	18.27	17.79	-0.0001	32.50	31.76	1690
NCL1750	F3A5YR8HR	18.24	17.79	0.0002	11.84	11.05	513
NCL1770	F3A5YR8HR	18.07	17.80	0.0000	12.91	12.37	1683
NCL1790	F3A5YR8HR	15.78	15.02	0.0001	320.95	320.77	5863
NCL1810	F3A5YR8HR	18.13	17.94	-0.0001	30.68	29.64	13821
NCL1830	F3A5YR8HR	18.39	16.78	0.0001	298.89	298.71	6249
NCL1850	F3A5YR8HR	18.50	16.98	-0.0003	85.42	85.65	911
NCL1870	F3A5YR8HR	19.01	17.96	0.0001	85.18	85.42	1007
NCL1890	F3A5YR8HR	19.15	18.21	0.0001	84.95	85.18	983
NCL1910	F3A5YR8HR	19.15	18.21	0.0000	1.50	0.42	527
NCL1930	F3A5YR8HR	19.91	19.85	0.0000	2.62	2.61	1503
NCL1950	F3A5YR8HR	19.15	18.21	0.0000	0.34	0.16	499
NCL1970	F3A5YR8HR	21.67	21.63	0.0000	1.44	1.44	3025
NCL1990	F3A5YR8HR	19.58	19.03	0.0000	84.48	84.69	884
NCL2010	F3A5YR8HR	19.74	19.38	0.0000	45.39	46.00	1104
NCL2030	F3A5YR8HR	19.76	19.43	0.0000	7.25	6.76	15161
NCL2050	F3A5YR8HR	19.76	19.42	0.0000	43.89	44.09	1412
NCL2070	F3A5YR8HR	19.76	19.43	0.0000	2.10	2.12	984
NCL2090	F3A5YR8HR	19.87	19.66	0.0001	43.37	43.56	1414
NCL2110	F3A5YR8HR	20.03	19.68	-0.0001	16.05	16.40	873
NCL2130	F3A5YR8HR	19.87	19.74	0.0000	62.39	63.66	18324
NCL2150	F3A5YR8HR	20.75	21.12	-0.0004	71.35	59.45	144247
NCL2170	F3A5YR8HR	19.85	19.70	0.0000	78.13	78.12	13151
NCL2230	F3A5YR8HR	19.13	17.83	0.0002	230.54	230.66	5806
NCL2250	F3A5YR8HR	19.55	18.59	0.0001	220.27	220.27	4444
NCL2270	F3A5YR8HR	20.05	20.01	0.0001	119.80	119.81	5711
NCL2290	F3A5YR8HR	19.88	19.80	0.0001	8.99	8.99	1155
NCL2310	F3A5YR8HR	20.45	20.57	0.0001	101.94	101.43	1780
NCL2330	F3A5YR8HR	20.74	20.94	0.0000	118.35	112.92	74224
NCL2350	F3A5YR8HR	20.78	20.98	0.0000	94.18	93.31	3765
NCL2370	F3A5YR8HR	20.81	20.99	-0.0001	90.90	89.98	2298
NCL2390	F3A5YR8HR	20.84	21.03	0.0000	108.66	99.58	96274
NCL2410	F3A5YR8HR	21.07	21.09	0.0000	30.09	30.74	1380
NCL2430	F3A5YR8HR	21.32	21.16	0.0000	29.21	29.38	1474
NCL2450	F3A5YR8HR	21.25	21.14	0.0000	4.11	3.97	493
NCL2470	F3A5YR8HR	20.93	21.04	0.0000	13.68	13.23	846
NCL2490	F3A5YR8HR	21.54	21.19	0.0001	26.78	26.25	1524
NCL2510	F3A5YR8HR	21.70	21.20	0.0000	68.81	67.66	68125
NCL2530	F3A5YR8HR	21.70	21.20	0.0000	33.45	33.12	34852
NCL2540	F3A5YR8HR	0.00	21.89	0.0000	46.20	45.76	35052
NCL2550	F3A5YR8HR	21.70	21.20	0.0000	28.97	28.77	10443
NCL2570	F3A5YR8HR	21.51	21.19	0.0000	17.44	17.58	1503

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL2580	F3A5YR8HR	0.00	21.19	0.0000	72.66	72.34	26172
NCL2590	F3A5YR8HR	21.17	21.18	0.0000	123.55	121.36	106021
NCL2610	F3A5YR8HR	21.14	21.18	0.0000	85.52	85.25	24163
NCL2630	F3A5YR8HR	20.86	20.79	0.0000	60.40	58.74	40005
NCL2631	F3A5YR8HR	0.00	20.48	-0.0001	66.04	56.59	36145
NCL2650	F3A5YR8HR	21.17	21.37	0.0000	72.01	66.35	94994
NCL2670	F3A5YR8HR	21.93	22.14	-0.0002	74.75	92.27	54890
NCL2690	F3A5YR8HR	21.96	22.22	-0.0001	38.83	41.94	43005
NCL2710	F3A5YR8HR	21.96	22.24	-0.0001	32.18	34.66	53096
NCL2730	F3A5YR8HR	21.95	22.26	0.0000	26.19	26.58	2601
NCL2750	F3A5YR8HR	21.84	22.24	0.0000	23.61	23.70	1469
NCL2770	F3A5YR8HR	21.71	22.14	0.0000	22.57	22.65	1389
NCL2780	F3A5YR8HR	0.00	22.04	0.0000	8.81	8.58	17898
NCL2790	F3A5YR8HR	21.84	22.12	0.0000	86.65	85.17	89019
NCL2810	F3A5YR8HR	22.11	22.63	-0.0001	50.16	49.62	15632
NCL2830	F3A5YR8HR	23.09	22.66	-0.0001	11.95	11.97	1242
NCL2835	F3A5YR8HR	0.00	23.68	0.0000	7.97	7.99	1113
NCL2840	F3A5YR8HR	0.00	23.64	0.0000	50.21	50.14	20300
NCL2845	F3A5YR8HR	0.00	24.18	0.0000	27.16	27.10	12903
NCL2850	F3A5YR8HR	20.82	21.00	0.0000	21.72	22.02	1361
NCL2870	F3A5YR8HR	20.83	20.99	0.0000	20.79	21.08	1251
NCL2890	F3A5YR8HR	20.83	20.99	0.0000	19.63	20.79	17192
NCL2910	F3A5YR8HR	20.83	20.99	-0.0001	44.59	44.44	41228
NCL2930	F3A5YR8HR	19.55	18.62	0.0002	120.95	119.83	2980
NCL2950	F3A5YR8HR	19.53	18.73	0.0001	114.09	112.72	5716
NCL2970	F3A5YR8HR	20.49	20.32	0.0001	31.42	31.23	5384
NCL2990	F3A5YR8HR	19.33	18.79	0.0001	92.95	93.07	5885
NCL3010	F3A5YR8HR	19.35	18.89	0.0001	84.29	78.74	41518
NCL3030	F3A5YR8HR	19.58	18.93	0.0001	75.58	63.56	7110
NCL3050	F3A5YR8HR	19.94	19.74	0.0001	49.72	47.79	17954
NCL3070	F3A5YR8HR	20.14	20.00	0.0000	23.24	23.01	10471
NCL3090	F3A5YR8HR	19.59	18.92	0.0001	91.10	87.27	35325
NCL3110	F3A5YR8HR	19.59	19.00	0.0003	43.00	38.22	41828
NCL3130	F3A5YR8HR	19.59	19.01	0.0002	14.89	17.23	8249
NCL3150	F3A5YR8HR	19.54	18.84	0.0001	132.28	131.81	5793
NCL3170	F3A5YR8HR	19.71	20.04	-0.0001	47.88	47.56	15445
NCL3190	F3A5YR8HR	20.31	20.28	-0.0003	57.17	43.88	95554
NCL3210	F3A5YR8HR	20.32	20.28	-0.0003	37.64	29.41	45061
NCL3230	F3A5YR8HR	20.32	20.30	-0.0002	21.97	20.53	14295
NCL3250	F3A5YR8HR	19.11	17.36	0.0003	179.53	184.74	5874
NCL3250A	F3A5YR8HR	0.00	18.11	0.0001	131.81	131.48	2677
NCL3270	F3A5YR8HR	19.11	17.85	0.0000	28.20	28.27	1736
NCL3280	F3A5YR8HR	0.00	18.01	0.0000	26.16	26.04	999
NCL3290	F3A5YR8HR	20.16	18.85	0.0000	22.09	21.97	1672
NCL3300	F3A5YR8HR	0.00	18.91	0.0000	2.59	2.42	747
NCL3310	F3A5YR8HR	20.19	18.85	0.0000	1.53	1.91	762
NCL3330	F3A5YR8HR	20.75	18.93	0.0000	2.26	2.12	437

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL3350	F3A5YR8HR	20.51	20.34	0.0000	18.74	14.58	19445
NCL3360	F3A5YR8HR	0.00	20.37	0.0000	3.78	3.18	10481
NCL3365	F3A5YR8HR	0.00	20.12	0.0000	12.88	12.63	17032
NCL3370	F3A5YR8HR	20.64	20.87	-0.0002	71.81	67.19	83397
NCL3390	F3A5YR8HR	20.83	20.98	-0.0001	65.87	65.47	39130
NCL3410	F3A5YR8HR	20.83	20.99	0.0000	1.85	2.64	477
NCL3430	F3A5YR8HR	20.83	20.99	0.0000	2.69	1.40	3862
NCL3450	F3A5YR8HR	18.92	16.60	0.0001	213.04	213.05	6328
NCL3470	F3A5YR8HR	19.11	16.98	0.0001	146.58	146.02	4630
NCL3471	F3A5YR8HR	0.00	16.67	0.0001	107.25	106.65	5436
NCL3490	F3A5YR8HR	19.15	17.72	0.0000	92.37	92.03	2750
NCL3510	F3A5YR8HR	20.64	19.44	0.0000	73.84	72.79	15786
NCL3520	F3A5YR8HR	0.00	19.35	-0.0001	152.80	152.78	18921
NCL3530	F3A5YR8HR	20.66	20.49	0.0000	93.49	90.50	56404
NCL3550	F3A5YR8HR	20.66	20.49	-0.0001	2.67	4.09	736
NCL3570	F3A5YR8HR	20.66	20.50	0.0000	1.70	2.30	627
NCL3590	F3A5YR8HR	20.66	20.55	0.0000	2.10	1.27	4792
NCL3610	F3A5YR8HR	20.66	20.48	-0.0001	40.42	40.71	1320
NCL3630	F3A5YR8HR	20.64	20.48	-0.0001	145.33	140.98	106299
NCL3635	F3A5YR8HR	0.00	20.48	-0.0001	23.37	25.01	1917
NCL3640	F3A5YR8HR	0.00	20.49	0.0000	17.42	14.82	24824
NCL3650	F3A5YR8HR	18.92	17.00	0.0000	4.09	3.77	503
NCL3670	F3A5YR8HR	18.92	17.99	0.0000	6.17	6.07	436
NCL3690	F3A5YR8HR	18.92	16.40	0.0001	115.94	113.01	2124
NCL3730	F3A5YR8HR	18.92	16.15	0.0000	321.13	320.96	96807
NCL3740	F3A5YR8HR	0.00	16.40	0.0001	203.02	202.13	4692
NCL3750	F3A5YR8HR	18.93	18.79	-0.0009	107.76	101.22	167558
NCL3770	F3A5YR8HR	18.93	18.80	-0.0005	35.90	33.76	80715
NCL4000	F3A5YR8HR	0.00	29.69	0.0000	27.87	27.86	5149
NCL4010	F3A5YR8HR	0.00	29.39	0.0000	21.42	21.35	12670
NCypEast	F3A5YR8HR	32.00	29.00	0.0000	5.98	0.00	0
NCypWest	F3A5YR8HR	32.00	29.93	0.0000	0.00	0.00	0
NOC0010	F3A5YR8HR	2.00	2.00	0.0000	368.87	0.00	0
NOC0030	F3A5YR8HR	1.14	2.19	0.0764	697.37	368.87	504
NOC0050	F3A5YR8HR	1.20	2.32	-0.0715	370.98	548.53	530
NOC0070	F3A5YR8HR	1.45	2.80	0.0150	332.69	332.34	516
NOC0090	F3A5YR8HR	2.91	3.03	0.0074	125.50	125.62	446
NOC0110	F3A5YR8HR	1.65	2.84	0.0133	196.67	197.06	455
NOC0130	F3A5YR8HR	3.06	3.24	0.0061	196.66	196.67	528
NOC0150	F3A5YR8HR	3.08	3.25	0.0000	1.94	1.94	499
NOC0170	F3A5YR8HR	4.56	4.69	0.0000	8.39	8.39	1219
NOC0190	F3A5YR8HR	5.09	3.86	-0.0020	194.86	194.74	1077
NOC0210	F3A5YR8HR	5.68	4.35	-0.0001	16.62	16.53	781
NOC0230	F3A5YR8HR	5.12	3.89	-0.0001	5.38	5.57	742
NOC0250	F3A5YR8HR	5.30	4.04	0.0000	5.43	5.38	984
NOC0270	F3A5YR8HR	5.57	4.27	0.0000	3.03	2.94	675
NOC0290	F3A5YR8HR	5.11	3.94	-0.0009	213.46	213.55	1836

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NOC0310	F3A5YR8HR	5.27	4.05	-0.0003	38.94	38.92	450
NOC0330	F3A5YR8HR	5.85	4.18	-0.0002	174.54	174.54	2431
NOC0350	F3A5YR8HR	5.89	4.36	0.0001	123.22	123.07	1837
NOC0370	F3A5YR8HR	6.47	5.59	0.0001	81.86	81.94	2022
NOC0390	F3A5YR8HR	6.60	5.71	-0.0001	49.44	49.50	2171
NOC0410	F3A5YR8HR	6.95	6.11	0.0000	41.97	41.75	2497
NOC0430	F3A5YR8HR	7.01	6.30	0.0000	28.67	29.48	1757
NOC0450	F3A5YR8HR	7.62	6.53	0.0000	21.43	23.33	2423
NOC0470	F3A5YR8HR	8.12	7.07	0.0001	11.49	12.51	726
NOC0490	F3A5YR8HR	7.67	6.53	0.0000	3.05	5.27	1052
NRU0010	F3A5YR8HR	2.00	2.00	0.0000	504.88	0.00	0
NRU0030	F3A5YR8HR	2.84	2.64	-0.0004	241.51	240.98	2468
NRU0050	F3A5YR8HR	4.36	4.24	-0.0002	241.06	241.51	2036
NRU0070	F3A5YR8HR	5.61	4.95	0.0006	241.43	241.06	3297
NRU0090	F3A5YR8HR	5.66	5.23	-0.0001	40.39	39.10	5799
NRU0110	F3A5YR8HR	6.23	5.41	-0.0001	195.01	194.50	5430
NRU0130	F3A5YR8HR	7.66	6.14	-0.0002	178.93	178.36	2616
NRU0150	F3A5YR8HR	7.71	6.17	-0.0005	171.02	171.42	1501
NRU0160	F3A5YR8HR	0.00	12.82	0.0000	144.58	144.56	4959
NRU0165	F3A5YR8HR	0.00	12.90	0.0000	2.62	2.58	474
NRU0170	F3A5YR8HR	14.45	14.36	-0.0001	145.16	142.41	8474
NRU0172	F3A5YR8HR	0.00	14.48	0.0000	7.98	8.07	863
NRU0174	F3A5YR8HR	0.00	14.72	0.0000	7.89	7.98	1396
NRU0176	F3A5YR8HR	0.00	15.36	0.0000	7.82	7.89	762
NRU0178	F3A5YR8HR	0.00	15.99	-0.0001	7.76	7.82	959
NRU0180	F3A5YR8HR	0.00	16.20	-0.0001	29.38	22.77	79626
NRU0190	F3A5YR8HR	14.45	14.69	-0.0002	16.62	17.78	516
NRU0210	F3A5YR8HR	14.45	14.94	0.0000	14.44	14.01	602
NRU0230	F3A5YR8HR	13.39	15.01	-0.0001	10.34	9.69	16760
NRU0250	F3A5YR8HR	14.62	14.64	0.0000	113.78	113.20	4159
NRU0270	F3A5YR8HR	15.05	15.38	0.0001	101.38	101.35	2616
NRU0290	F3A5YR8HR	16.30	16.47	-0.0001	15.35	15.24	623
NRU0310	F3A5YR8HR	16.13	15.99	0.0000	79.42	80.08	2502
NRU0330	F3A5YR8HR	18.25	17.33	0.0000	28.61	29.09	1352
NRU0335	F3A5YR8HR	0.00	18.77	0.0000	4.61	4.42	861
NRU0340	F3A5YR8HR	0.00	18.27	0.0000	29.11	27.85	13167
NRU0343	F3A5YR8HR	0.00	19.08	-0.0001	11.58	11.25	918
NRU0345	F3A5YR8HR	0.00	19.36	-0.0001	19.35	16.68	50374
NRU0350	F3A5YR8HR	19.50	18.29	0.0000	7.37	8.04	977
NRU0370	F3A5YR8HR	19.51	18.28	0.0000	5.98	5.67	2472
NRU0380	F3A5YR8HR	23.33	18.22	0.0000	5.22	5.18	470
NRU0390	F3A5YR8HR	27.00	18.10	-0.0002	14.90	13.10	8355
NRU0410	F3A5YR8HR	19.56	18.29	0.0000	3.98	3.93	1094
NRU0425	F3A5YR8HR	15.53	15.69	0.0000	4.25	3.11	4944
NRU0430	F3A5YR8HR	19.61	18.30	0.0000	3.06	3.43	1070
NRU0450	F3A5YR8HR	19.66	18.31	0.0000	2.18	2.65	1043
NRU0470	F3A5YR8HR	19.72	18.36	0.0001	1.30	1.72	783

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0490	F3A5YR8HR	20.36	18.37	-0.0001	1.47	1.28	532
NRU0495	F3A5YR8HR	0.00	13.11	0.0000	623.91	623.87	2716
NRU0500	F3A5YR8HR	0.00	13.35	0.0000	623.64	621.30	5646
NRU0510	F3A5YR8HR	19.67	17.63	0.0000	13.39	12.88	567
NRU0530	F3A5YR8HR	16.95	16.60	0.0000	48.02	48.44	2251
NRU0550	F3A5YR8HR	17.92	17.25	0.0000	53.52	48.02	19190
NRU0570	F3A5YR8HR	18.16	17.34	0.0000	34.05	34.51	1524
NRU0590	F3A5YR8HR	18.51	17.44	0.0000	31.55	31.99	1745
NRU0610	F3A5YR8HR	18.78	17.51	0.0000	29.75	30.66	2500
NRU0612	F3A5YR8HR	0.00	17.50	0.0000	28.77	27.92	1555
NRU0615	F3A5YR8HR	0.00	18.24	0.0000	8.78	8.59	2141
NRU0616	F3A5YR8HR	0.00	18.20	0.0000	2.47	2.92	1112
NRU0618	F3A5YR8HR	0.00	17.96	0.0000	8.29	8.14	918
NRU0620	F3A5YR8HR	0.00	19.63	-0.0001	10.13	8.56	11552
NRU0630	F3A5YR8HR	18.79	17.40	0.0000	34.81	33.94	2175
NRU0650	F3A5YR8HR	18.79	17.33	0.0000	46.40	45.56	1810
NRU0670	F3A5YR8HR	18.78	17.25	0.0000	45.56	44.73	1429
NRU0690	F3A5YR8HR	18.84	17.14	0.0000	53.14	52.29	1934
NRU0710	F3A5YR8HR	18.86	17.00	0.0001	79.86	79.11	2310
NRU0730	F3A5YR8HR	18.85	18.12	-0.0002	19.01	17.76	12320
NRU0740	F3A5YR8HR	0.00	16.62	0.0000	84.12	83.27	2801
NRU0745	F3A5YR8HR	0.00	16.19	0.0000	87.06	86.17	3774
NRU0747	F3A5YR8HR	18.87	15.84	0.0000	86.17	85.55	1655
NRU0750	F3A5YR8HR	18.87	15.62	0.0000	105.99	105.34	1946
NRU0770	F3A5YR8HR	18.88	15.61	0.0000	22.61	21.93	982
NRU0785	F3A5YR8HR	0.00	15.60	0.0000	27.44	26.63	844
NRU0790	F3A5YR8HR	18.88	15.59	-0.0003	494.67	494.91	8788
NRU0810	F3A5YR8HR	18.88	15.59	0.0000	2.44	0.94	739
NRU0820	F3A5YR8HR	0.00	15.74	0.0000	0.00	0.00	436
NRU0830	F3A5YR8HR	18.99	15.94	-0.0004	484.99	485.16	4681
NRU0840	F3A5YR8HR	9999.00	16.10	-0.0001	429.26	429.41	2258
NRU0850	F3A5YR8HR	19.11	16.49	0.0001	153.94	153.42	2553
NRU0870	F3A5YR8HR	19.32	16.68	0.0000	19.01	19.24	560
NRU0890	F3A5YR8HR	19.35	16.78	0.0000	24.85	19.01	56165
NRU0910	F3A5YR8HR	19.35	17.07	0.0000	1.07	1.07	580
NRU0930	F3A5YR8HR	19.35	19.44	0.0000	1.10	1.07	1742
NRU0950	F3A5YR8HR	19.11	16.75	-0.0001	139.48	139.01	1381
NRU0955	F3A5YR8HR	0.00	16.86	-0.0001	127.46	127.04	2070
NRU0960	F3A5YR8HR	0.00	17.04	0.0001	124.82	124.44	3512
NRU0965	F3A5YR8HR	0.00	17.15	0.0001	124.00	123.50	3727
NRU0970	F3A5YR8HR	19.34	16.86	0.0000	11.42	10.81	1447
NRU0980	F3A5YR8HR	0.00	16.87	0.0000	8.56	8.39	1097
NRU0990	F3A5YR8HR	19.39	16.92	-0.0001	26.65	26.51	440
NRU1010	F3A5YR8HR	19.70	17.06	-0.0001	26.80	26.65	463
NRU1015	F3A5YR8HR	0.00	18.00	-0.0001	12.62	12.40	696
NRU1020	F3A5YR8HR	0.00	19.79	-0.0060	11.38	49.49	866
NRU1025	F3A5YR8HR	0.00	18.55	0.0000	9.29	9.02	724

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1030	F3A5YR8HR	19.70	17.29	0.0000	51.24	49.81	2307
NRU1035	F3A5YR8HR	0.00	17.08	0.0000	0.61	0.57	436
NRU1036	F3A5YR8HR	0.00	17.21	-0.0001	10.01	9.96	437
NRU1037	F3A5YR8HR	0.00	17.49	0.0000	1.46	0.61	640
NRU1040	F3A5YR8HR	0.00	17.17	-0.0001	13.56	13.47	454
NRU1045	F3A5YR8HR	0.00	19.85	0.0000	8.68	8.21	1567
NRU1046	F3A5YR8HR	0.00	19.82	0.0060	8.21	7.75	958
NRU1050	F3A5YR8HR	19.70	17.50	0.0000	34.98	34.24	1693
NRU1070	F3A5YR8HR	19.83	17.75	0.0000	13.54	14.50	1938
NRU1090	F3A5YR8HR	18.86	15.48	0.0001	83.33	82.75	1336
NRU1110	F3A5YR8HR	18.86	15.35	0.0001	102.63	102.00	1798
NRU1130	F3A5YR8HR	18.86	15.50	-0.0001	16.85	19.53	777
NRU1150	F3A5YR8HR	18.86	15.63	0.0000	17.50	16.85	964
NRU1170	F3A5YR8HR	18.86	18.24	0.0000	16.31	15.59	1790
NRU1182	F3A5YR8HR	0.00	15.65	0.0000	14.35	14.28	1155
NRU1184	F3A5YR8HR	0.00	16.04	0.0000	12.94	12.83	872
NRU1185	F3A5YR8HR	0.00	17.37	0.0000	7.44	7.20	661
NRU1186	F3A5YR8HR	0.00	16.27	0.0000	5.89	5.75	790
NRU1188	F3A5YR8HR	0.00	18.04	0.0000	3.21	0.28	26685
NRU1190	F3A5YR8HR	18.86	17.54	0.0000	6.98	6.54	576
NRU1210	F3A5YR8HR	18.86	17.19	0.0000	6.54	6.34	710
NRU1220	F3A5YR8HR	0.00	14.17	0.0000	17.78	17.99	2046
NRU1225	F3A5YR8HR	0.00	20.70	0.0000	2.36	2.28	436
NRU1230	F3A5YR8HR	18.88	15.13	-0.0002	569.02	569.43	4560
NRU1232	F3A5YR8HR	0.00	14.85	0.0007	581.80	592.53	3681
NRU1234	F3A5YR8HR	0.00	14.85	-0.0001	0.76	1.81	450
NRU1240	F3A5YR8HR	0.00	15.61	0.0000	2.83	2.82	452
NRU1250	F3A5YR8HR	4.07	4.32	-0.0018	264.13	264.12	2104
NRU1270	F3A5YR8HR	4.78	4.94	0.0009	261.98	261.97	1667
NRU1290	F3A5YR8HR	5.41	5.52	-0.0004	254.09	254.12	3103
NRU1310	F3A5YR8HR	6.42	6.45	0.0000	254.07	254.09	5052
NRU1330	F3A5YR8HR	8.29	8.18	0.0000	281.04	280.96	3357
NRU1350	F3A5YR8HR	9.32	9.21	0.0000	278.19	278.17	2409
NRU1370	F3A5YR8HR	11.03	10.85	0.0000	274.76	274.72	5323
NRU1390	F3A5YR8HR	11.84	11.55	0.0000	34.29	34.04	1238
NRU1410	F3A5YR8HR	12.56	12.25	0.0000	231.49	231.89	7476
NRU1430	F3A5YR8HR	15.53	15.69	-0.0001	37.37	30.34	38674
NRU1450	F3A5YR8HR	15.94	15.94	0.0000	22.59	22.41	3700
NRU1470	F3A5YR8HR	15.97	15.97	0.0000	4.98	5.10	981
NRU1490	F3A5YR8HR	16.09	16.09	0.0000	5.08	4.98	2106
NRU1510	F3A5YR8HR	15.12	14.60	0.0000	170.94	171.67	10593
NRU1530	F3A5YR8HR	15.71	15.38	0.0000	73.91	74.23	3045
NRU1550	F3A5YR8HR	15.40	15.33	0.0000	59.28	59.27	1678
NRU1570	F3A5YR8HR	16.20	16.28	0.0000	45.89	45.73	1398
NRU1590	F3A5YR8HR	16.40	16.41	0.0000	4.36	4.20	1257
NRU1610	F3A5YR8HR	16.56	16.77	0.0000	39.69	38.82	1573
NRU1630	F3A5YR8HR	16.69	16.96	0.0000	33.46	33.58	1538

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1650	F3A5YR8HR	16.84	17.14	0.0000	33.36	33.46	7977
NRU1670	F3A5YR8HR	16.89	17.21	0.0000	34.17	31.50	107919
NRU1690	F3A5YR8HR	16.89	17.20	0.0000	32.01	31.84	2563
NRU1710	F3A5YR8HR	16.60	17.06	0.0000	28.74	28.56	1426
NRU1730	F3A5YR8HR	16.58	17.04	0.0000	60.49	26.12	136868
NRU1750	F3A5YR8HR	16.58	17.04	0.0002	14.53	16.90	720
NRU1770	F3A5YR8HR	16.58	17.04	0.0000	18.46	18.37	3241
NRU1790	F3A5YR8HR	17.21	17.06	0.0000	4.98	4.91	1122
NRU1810	F3A5YR8HR	16.58	17.04	0.0000	7.54	3.51	18763
NRU1830	F3A5YR8HR	17.12	17.06	0.0000	11.95	11.89	1556
NRU1850	F3A5YR8HR	17.07	17.36	0.0000	21.68	21.56	1087
NRU1870	F3A5YR8HR	17.20	17.48	0.0000	21.81	21.68	908
NRU1890	F3A5YR8HR	17.38	17.62	0.0000	27.43	21.81	18018
NRU1910	F3A5YR8HR	17.71	17.73	0.0001	11.09	10.71	2764
NRU1930	F3A5YR8HR	15.71	15.39	0.0000	50.69	53.34	15549
NRU1950	F3A5YR8HR	16.43	15.95	0.0000	48.74	48.84	1645
NRU1970	F3A5YR8HR	16.86	16.30	0.0000	48.65	48.74	1037
NRU1990	F3A5YR8HR	17.09	16.48	0.0000	48.56	48.65	1719
NRU2010	F3A5YR8HR	18.02	17.49	0.0000	11.46	11.55	1363
NRU2030	F3A5YR8HR	18.39	17.94	0.0001	8.94	8.29	5494
NRU2050	F3A5YR8HR	18.40	17.97	0.0000	2.42	2.98	453
NRU2070	F3A5YR8HR	18.41	18.00	0.0000	2.44	2.42	436
NRU2090	F3A5YR8HR	17.16	16.54	0.0000	34.18	34.30	983
NRU2110	F3A5YR8HR	17.28	16.65	0.0000	32.85	32.85	1563
NRU2130	F3A5YR8HR	17.49	16.86	0.0000	33.00	32.99	1850
NRU2150	F3A5YR8HR	17.69	17.07	0.0000	5.17	4.81	1631
NRU2170	F3A5YR8HR	17.07	16.94	0.0000	3.08	3.23	773
NRU2190	F3A5YR8HR	17.08	16.98	0.0000	5.90	3.08	26900
NRU2210	F3A5YR8HR	17.33	16.85	-0.0001	2.27	1.84	538
NRU2230	F3A5YR8HR	17.33	16.45	0.0000	9.56	0.30	77978
NRU2250	F3A5YR8HR	17.31	16.45	0.0000	1.74	1.12	11112
NRU2270	F3A5YR8HR	17.61	16.95	0.0000	27.63	27.61	1283
NRU2290	F3A5YR8HR	17.67	16.99	-0.0001	20.03	20.15	1150
NRU2310	F3A5YR8HR	17.68	17.01	0.0000	14.45	14.56	1271
NRU2330	F3A5YR8HR	17.68	17.01	0.0001	32.71	7.44	756
NRU2350	F3A5YR8HR	17.68	17.01	-0.0001	3.79	30.03	654
NRU2370	F3A5YR8HR	17.37	16.75	0.0000	3.56	3.79	528
NRU2390	F3A5YR8HR	17.36	16.76	0.0000	5.32	3.56	32234
NRU2410	F3A5YR8HR	17.72	17.04	0.0000	6.70	6.81	1098
NRU2430	F3A5YR8HR	17.83	17.06	0.0000	5.72	5.83	925
NRU2450	F3A5YR8HR	18.06	17.07	0.0000	2.12	1.16	588
NRU2470	F3A5YR8HR	15.72	15.38	0.0000	4.66	3.49	1614
NRU2490	F3A5YR8HR	15.75	15.39	0.0000	4.65	4.30	1418
NRU2510	F3A5YR8HR	15.75	15.38	0.0000	4.30	2.71	945
NRU2530	F3A5YR8HR	15.76	15.38	0.0000	2.71	0.19	582
NRU2550	F3A5YR8HR	16.53	15.30	0.0000	49.20	48.53	2426
NRU2570	F3A5YR8HR	17.71	16.50	0.0000	42.18	41.52	1979

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU2590	F3A5YR8HR	18.30	17.47	0.0000	32.39	32.67	1455
NRU2610	F3A5YR8HR	18.62	18.08	0.0000	31.49	31.75	1170
NRU2630	F3A5YR8HR	19.41	19.05	-0.0001	25.08	26.84	25146
NRU2650	F3A5YR8HR	19.54	19.58	-0.0001	18.39	17.25	23354
NRU2670	F3A5YR8HR	16.64	16.60	0.0000	21.78	21.73	2044
NRU2690	F3A5YR8HR	17.09	17.19	-0.0001	113.99	76.03	230904
NSH02	F3A5YR8HR	0.00	20.68	-0.0002	7.17	6.96	2123
NSH03	F3A5YR8HR	0.00	18.02	-0.0227	0.19	12.94	767
NSH04	F3A5YR8HR	0.00	14.66	0.0000	29.06	27.70	4608
NSH05	F3A5YR8HR	0.00	8.07	-0.0001	646.67	646.66	5036
NSH07	F3A5YR8HR	0.00	7.40	-0.0001	16.64	16.40	623
NSH08	F3A5YR8HR	0.00	7.20	0.0000	11.20	11.17	1559
NSH09	F3A5YR8HR	0.00	8.98	0.0001	28.68	24.04	8322
NSH10	F3A5YR8HR	0.00	19.01	0.0000	11.90	11.75	28266
NSH11	F3A5YR8HR	0.00	21.03	0.0000	4.07	4.05	6072
NSH12	F3A5YR8HR	0.00	7.60	0.0000	650.10	650.39	4106
NSH13	F3A5YR8HR	0.00	7.43	0.0010	658.65	659.49	4604
NSH14	F3A5YR8HR	0.00	7.38	-0.0017	663.72	663.14	1911
NSH15	F3A5YR8HR	0.00	18.67	0.0000	3.06	3.06	6194
NSH16	F3A5YR8HR	0.00	7.92	0.0004	33.36	33.52	652
NSH17	F3A5YR8HR	0.00	7.32	-0.0015	664.00	664.61	2161
NSH18	F3A5YR8HR	0.00	7.29	-0.0007	694.40	692.45	3006
NSH19	F3A5YR8HR	0.00	6.50	-0.0002	694.74	694.77	5396
NSH20	F3A5YR8HR	0.00	20.16	0.0000	1.81	1.78	10642
NSH21	F3A5YR8HR	0.00	9.73	0.0000	6.83	6.80	587
NSH22	F3A5YR8HR	0.00	13.38	0.0001	23.22	21.49	2534
NSH23	F3A5YR8HR	0.00	18.11	0.0000	5.51	5.50	2402
NSH24	F3A5YR8HR	0.00	13.60	0.0000	9.57	8.61	2836
NSH25	F3A5YR8HR	0.00	12.30	-0.0001	10.04	10.39	671
NSH26	F3A5YR8HR	0.00	11.84	0.0001	23.60	23.47	1186
NSH26A	F3A5YR8HR	0.00	11.61	0.0000	33.39	33.36	2060
NSH27	F3A5YR8HR	0.00	11.16	0.0000	4.05	3.71	3049
NSH27A	F3A5YR8HR	0.00	11.02	0.0000	14.78	14.54	921
NSH27AA	F3A5YR8HR	0.00	11.05	0.0000	3.71	3.74	560
NSH27B	F3A5YR8HR	0.00	10.07	-0.0001	14.54	17.78	1033
NSH27C	F3A5YR8HR	0.00	8.44	-0.0001	17.78	14.00	1036
NSH28	F3A5YR8HR	0.00	9.35	0.0000	7.95	6.27	8050
NSH29	F3A5YR8HR	0.00	7.43	-0.0001	5.86	11.85	648
NSH31	F3A5YR8HR	0.00	9.32	0.0000	6.27	5.42	480
NSH33	F3A5YR8HR	0.00	16.54	0.0000	1.29	1.28	3410
NSH34	F3A5YR8HR	0.00	8.74	0.0000	19.68	19.64	773
NSH35	F3A5YR8HR	0.00	7.54	-0.0001	7.35	7.85	768
NSH36	F3A5YR8HR	0.00	7.49	-0.0002	20.93	20.91	805
NSH37	F3A5YR8HR	0.00	7.41	-0.0013	662.67	663.25	1881
NSH41	F3A5YR8HR	0.00	14.18	0.0000	2.31	2.30	464
NSH42	F3A5YR8HR	0.00	3.18	0.0001	41.83	41.83	447
NSH43	F3A5YR8HR	0.00	3.83	-0.0002	41.50	41.49	507

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSH44	F3A5YR8HR	0.00	6.76	0.0000	7.16	7.15	670
NSH45	F3A5YR8HR	0.00	16.19	0.0000	17.56	17.42	19123
NSH48	F3A5YR8HR	0.00	18.15	0.0000	7.81	7.81	2404
NSH49	F3A5YR8HR	0.00	16.79	0.0000	7.60	7.59	473
NSH50	F3A5YR8HR	0.00	13.98	-0.0003	642.03	635.09	6021
NSH51	F3A5YR8HR	0.00	16.02	0.0000	16.41	16.37	1331
NSH52	F3A5YR8HR	0.00	14.17	-0.0023	598.97	641.32	4151
NSH53	F3A5YR8HR	0.00	14.68	0.0000	21.45	21.35	1028
NSH53B	F3A5YR8HR	0.00	14.17	-0.0006	7.00	7.93	448
NSH54	F3A5YR8HR	0.00	14.67	0.0000	22.31	22.01	1255
NSH55	F3A5YR8HR	0.00	14.65	0.0009	594.61	595.01	5311
NSH55B	F3A5YR8HR	0.00	14.69	0.0001	4.80	5.74	447
NSH56	F3A5YR8HR	0.00	14.86	0.0001	2.68	3.15	465
NSH57	F3A5YR8HR	0.00	14.87	0.0000	2.62	2.68	457
NSH60	F3A5YR8HR	0.00	18.32	0.0000	7.66	7.60	436
NSH61	F3A5YR8HR	0.00	14.85	0.0000	7.07	7.06	451
NSH65	F3A5YR8HR	0.00	19.96	0.0000	1.63	1.55	436
NSH71	F3A5YR8HR	9999.00	15.01	0.0000	10.50	10.55	2465
NSH75	F3A5YR8HR	0.00	5.40	-0.0015	705.65	705.63	4065
NSH76	F3A5YR8HR	0.00	4.31	0.0060	664.46	664.45	2030
NSH80	F3A5YR8HR	0.00	13.65	0.0004	647.35	616.12	6657
NSH81	F3A5YR8HR	0.00	20.29	0.0000	0.19	0.00	1742
NSH82	F3A5YR8HR	0.00	20.80	0.0000	1.04	0.14	5297
NSH83	F3A5YR8HR	0.00	13.69	-0.0001	11.44	12.46	1461
NSH85	F3A5YR8HR	0.00	13.56	0.0001	619.44	613.14	4681
NSHSelmonD S	F3A5YR8HR	9999.00	10.38	0.0001	644.90	644.88	6356
NSHSelmonU S	F3A5YR8HR	9999.00	12.61	-0.0002	623.87	623.87	3189
NSR0000	F3A5YR8HR	2.00	2.00	0.0000	264.90	22.95	0
NSR0005	F3A5YR8HR	2.00	2.00	0.0000	3.87	0.00	0
NSR0010	F3A5YR8HR	2.00	2.00	0.0000	352.12	0.00	0
NSR0030	F3A5YR8HR	2.92	3.09	0.0000	362.48	352.12	216784
NSR0032	F3A5YR8HR	4.88	5.00	0.0000	6.44	4.21	18434
NSR0034	F3A5YR8HR	3.63	3.59	0.0000	37.07	36.46	13653
NSR0050	F3A5YR8HR	3.44	3.58	0.0000	330.86	323.10	86809
NSR0070	F3A5YR8HR	3.45	3.58	0.0001	18.97	18.41	27390
NSR0090	F3A5YR8HR	3.68	3.63	0.0000	18.59	18.07	7473
NSR0100	F3A5YR8HR	2.25	2.23	0.0000	3.87	3.87	524
NSR0102	F3A5YR8HR	4.24	4.28	0.0000	2.59	2.54	2188
NSR0105	F3A5YR8HR	1.91	2.71	0.0058	264.95	264.90	484
NSR0110	F3A5YR8HR	3.93	4.01	0.0000	10.59	10.39	2006
NSR0112	F3A5YR8HR	2.31	3.03	0.0435	263.62	263.61	457
NSR0115	F3A5YR8HR	4.25	4.30	0.0000	1.32	1.30	7177
NSR0120	F3A5YR8HR	2.62	3.28	-0.0548	261.03	261.08	479
NSR0130	F3A5YR8HR	4.16	4.21	0.0000	6.12	5.59	4009
NSR0135	F3A5YR8HR	4.22	4.26	0.0000	2.10	2.01	438

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0140	F3A5YR8HR	3.28	3.81	0.0182	258.19	258.18	477
NSR0150	F3A5YR8HR	3.64	3.80	0.0002	311.96	311.41	28856
NSR0160	F3A5YR8HR	3.56	4.03	0.0162	255.89	255.95	1813
NSR0165	F3A5YR8HR	4.03	4.04	0.0000	1.81	1.67	440
NSR0170	F3A5YR8HR	3.70	3.83	0.0000	3.37	2.87	1898
NSR0180	F3A5YR8HR	3.83	3.94	0.0000	3.82	3.34	2773
NSR0190	F3A5YR8HR	4.04	3.87	-0.0001	14.05	13.76	2181
NSR0210	F3A5YR8HR	4.26	3.90	-0.0001	13.02	12.37	2860
NSR0230	F3A5YR8HR	4.26	3.91	0.0000	12.64	11.15	9053
NSR0250	F3A5YR8HR	3.93	4.05	0.0039	296.18	295.93	12764
NSR0270	F3A5YR8HR	3.98	4.12	0.0000	58.73	58.48	14978
NSR0280	F3A5YR8HR	5.41	5.70	-0.0016	212.92	211.63	20346
NSR0281	F3A5YR8HR	5.97	6.28	-0.0004	208.59	207.94	10528
NSR0290	F3A5YR8HR	6.70	6.64	-0.0003	70.46	69.04	17702
NSR0310	F3A5YR8HR	9.28	9.24	0.0000	59.57	59.00	63300
NSR0330	F3A5YR8HR	9.65	9.56	0.0001	6.43	6.44	470
NSR0350	F3A5YR8HR	10.32	10.16	0.0001	6.47	6.43	446
NSR0370	F3A5YR8HR	10.35	10.23	0.0000	7.09	6.47	5787
NSR0390	F3A5YR8HR	11.96	12.07	0.0000	27.23	25.79	20154
NSR0410	F3A5YR8HR	12.27	12.30	0.0000	6.89	7.11	510
NSR0430	F3A5YR8HR	12.28	12.32	0.0000	5.86	6.89	17195
NSR0450	F3A5YR8HR	13.04	13.73	-0.0001	20.10	19.59	2380
NSR0470	F3A5YR8HR	13.10	13.88	0.0000	13.52	13.38	1159
NSR0490	F3A5YR8HR	4.41	4.51	0.0046	127.42	127.26	16538
NSR0510	F3A5YR8HR	4.48	4.66	-0.0010	61.38	61.55	12150
NSR0530	F3A5YR8HR	4.55	4.70	0.0000	6.28	5.77	4292
NSR0540	F3A5YR8HR	4.55	4.83	-0.0006	57.40	55.31	63516
NSR0550	F3A5YR8HR	4.56	4.85	-0.0035	305.85	305.52	10217
NSR0560	F3A5YR8HR	4.66	4.89	-0.0010	95.56	99.74	51284
NSR0570	F3A5YR8HR	5.28	5.36	0.0001	87.58	88.72	47971
NSR0580	F3A5YR8HR	6.13	6.22	-0.0001	12.36	10.24	70813
NSR0590	F3A5YR8HR	6.15	6.26	-0.0001	84.03	83.71	34927
NSR0610	F3A5YR8HR	6.26	6.33	-0.0001	36.02	32.22	49663
NSR0630	F3A5YR8HR	6.26	6.33	-0.0001	16.62	16.69	475
NSR0650	F3A5YR8HR	6.25	6.32	0.0000	37.25	23.03	154477
NSR0660	F3A5YR8HR	6.13	6.21	-0.0001	28.14	10.55	62177
NSR0670	F3A5YR8HR	6.24	6.31	-0.0001	7.50	8.40	520
NSR0680	F3A5YR8HR	6.14	6.21	-0.0001	11.07	6.93	108831
NSR0690	F3A5YR8HR	6.24	6.30	-0.0001	6.94	7.50	599
NSR0710	F3A5YR8HR	6.23	6.29	0.0000	6.85	6.94	861
NSR0730	F3A5YR8HR	6.29	6.35	0.0000	110.54	97.49	143220
NSR0770	F3A5YR8HR	6.81	6.96	0.0001	92.06	91.38	8700
NSR0780	F3A5YR8HR	6.74	6.74	-0.0001	7.70	7.18	14079
NSR0790	F3A5YR8HR	8.35	8.94	-0.0003	300.01	290.24	25896
NSR0791	F3A5YR8HR	7.13	7.58	0.0002	201.17	201.14	5596
NSR0809	F3A5YR8HR	12.76	10.01	0.0004	70.82	94.20	2125
NSR0810	F3A5YR8HR	13.45	13.40	-0.0002	133.34	132.77	59873

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0830	F3A5YR8HR	15.10	15.15	-0.0001	135.04	130.88	118415
NSR0840	F3A5YR8HR	16.09	16.07	0.0000	21.20	21.37	33510
NSR0850	F3A5YR8HR	15.64	15.69	-0.0003	94.74	91.40	71651
NSR0860	F3A5YR8HR	16.41	16.39	0.0000	5.30	5.35	6102
NSR0869	F3A5YR8HR	16.03	16.07	-0.0001	30.00	29.87	1505
NSR0870	F3A5YR8HR	16.24	16.27	0.0001	60.53	60.36	27426
NSR0880	F3A5YR8HR	16.24	16.28	0.0000	19.78	19.70	9172
NSR0881	F3A5YR8HR	14.14	15.70	0.0004	235.54	235.73	13396
NSR0890	F3A5YR8HR	4.02	4.12	-0.0768	251.08	293.65	39000
NSR0910	F3A5YR8HR	4.79	4.86	0.0023	184.24	184.89	19598
NSR0930	F3A5YR8HR	5.54	5.75	0.0000	73.71	30.49	235905
NSR0950	F3A5YR8HR	5.63	5.75	0.0004	204.47	203.83	28401
NSR0970	F3A5YR8HR	6.14	6.20	0.0002	139.22	139.39	3616
NSR0990	F3A5YR8HR	6.27	6.32	-0.0001	175.15	175.20	4244
NSR1010	F3A5YR8HR	6.30	6.35	0.0000	33.22	32.67	10232
NSR1030	F3A5YR8HR	8.54	8.58	-0.0001	142.69	142.54	9336
NSR1050	F3A5YR8HR	8.56	8.60	0.0000	40.46	39.07	21780
NSR1070	F3A5YR8HR	9.58	9.59	-0.0002	176.78	176.00	23383
NSR1090	F3A5YR8HR	11.30	11.39	0.0002	144.57	144.62	8165
NSR1110	F3A5YR8HR	11.57	11.55	0.0000	1.43	1.43	2841
NSR1130	F3A5YR8HR	11.29	11.33	0.0000	17.43	17.42	14456
NSR1150	F3A5YR8HR	11.39	11.44	0.0000	3.54	3.19	7475
NSR1170	F3A5YR8HR	11.38	11.43	0.0000	3.19	2.70	451
NSR1190	F3A5YR8HR	12.70	13.07	0.0000	143.33	143.33	13251
NSR1210	F3A5YR8HR	12.70	13.08	0.0000	15.63	8.05	72494
NSR1230	F3A5YR8HR	14.76	15.10	0.0000	140.57	140.53	9597
NSR1270	F3A5YR8HR	14.99	15.31	0.0000	140.63	140.57	6276
NSR1290	F3A5YR8HR	14.99	15.31	0.0000	5.55	2.67	21910
NSR1310	F3A5YR8HR	14.99	15.31	0.0000	15.24	10.35	74063
NSR1330	F3A5YR8HR	15.44	15.86	0.0000	137.45	136.52	22440
NSR1350	F3A5YR8HR	15.45	15.87	0.0000	22.76	18.11	90049
NSR1370	F3A5YR8HR	15.56	15.97	0.0000	127.39	125.06	21929
NSR1390	F3A5YR8HR	15.56	15.97	0.0000	2.01	1.82	4230
NSR1410	F3A5YR8HR	15.56	15.97	-0.0001	18.43	17.71	16905
NSR1430	F3A5YR8HR	15.76	16.08	0.0000	37.93	34.96	29576
NSR1450	F3A5YR8HR	15.74	16.08	0.0000	48.68	33.59	88799
NSR1470	F3A5YR8HR	15.96	16.11	0.0000	36.91	34.67	32152
NSR1490	F3A5YR8HR	16.21	16.22	0.0000	38.66	31.37	119487
NSR1510	F3A5YR8HR	16.21	16.22	0.0000	23.39	22.30	27106
NSR1530	F3A5YR8HR	15.56	15.97	0.0000	3.01	2.12	8185
NSR1550	F3A5YR8HR	15.68	16.06	0.0001	123.30	117.90	33612
NSR1570	F3A5YR8HR	15.68	16.06	0.0000	2.11	1.62	34037
NSR1590	F3A5YR8HR	15.68	16.07	0.0001	36.74	41.38	27027
NSR1610	F3A5YR8HR	15.75	16.13	0.0000	13.25	12.02	15317
NSR1630	F3A5YR8HR	15.75	16.13	0.0000	88.89	82.24	19963
NSR1650	F3A5YR8HR	16.39	17.06	0.0000	1.70	1.70	436
NSR1670	F3A5YR8HR	15.92	16.32	0.0001	33.80	28.97	29381

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR1690	F3A5YR8HR	16.24	16.65	0.0000	79.99	72.97	21422
NSR1710	F3A5YR8HR	16.25	16.65	0.0000	4.33	4.22	6037
NSR1730	F3A5YR8HR	16.32	16.71	0.0000	79.52	75.66	10085
NSR1750	F3A5YR8HR	16.68	16.72	0.0000	1.78	1.78	508
NSR1770	F3A5YR8HR	17.23	17.37	0.0000	20.38	14.97	19144
NSR1790	F3A5YR8HR	17.24	17.37	0.0000	21.24	15.02	32732
NSR1810	F3A5YR8HR	17.25	17.37	0.0000	8.30	7.39	12718
NSR1830	F3A5YR8HR	17.25	17.37	0.0000	34.75	31.04	83528
NSR1850	F3A5YR8HR	16.95	17.19	0.0000	7.21	7.81	13456
NSR1870	F3A5YR8HR	16.93	17.19	0.0001	24.13	22.20	57435
NSR1890	F3A5YR8HR	16.05	17.17	0.0000	13.22	13.49	1056
NSR1910	F3A5YR8HR	15.45	17.16	0.0002	47.49	40.16	38014
NSR1930	F3A5YR8HR	16.53	16.90	0.0000	60.52	60.28	2798
NSR1950	F3A5YR8HR	16.70	16.97	0.0000	18.58	18.24	6291
NSR1970	F3A5YR8HR	16.84	17.16	0.0000	22.01	18.90	37340
NSR1990	F3A5YR8HR	16.86	17.11	0.0000	9.81	9.20	949
NSR2010	F3A5YR8HR	16.91	17.08	0.0000	10.65	9.81	30333
NSR2030	F3A5YR8HR	16.90	17.01	0.0000	8.05	8.05	751
NSR2050	F3A5YR8HR	16.88	16.89	0.0000	11.45	10.96	15489
NSR2070	F3A5YR8HR	16.81	16.82	0.0000	6.17	6.17	782
NSR2090	F3A5YR8HR	16.72	16.72	0.0000	6.17	6.17	697
NSR2110	F3A5YR8HR	16.54	16.53	0.0000	12.53	12.45	14548
NSR2130	F3A5YR8HR	16.50	16.49	0.0000	9.82	9.53	88744
NSR2150	F3A5YR8HR	17.60	17.15	0.0000	45.61	44.13	154252
NSR2170	F3A5YR8HR	17.62	17.24	0.0001	29.61	29.47	2088
NSR2190	F3A5YR8HR	17.62	17.27	0.0000	29.74	29.61	967
NSR2210	F3A5YR8HR	17.62	17.33	0.0000	34.39	27.32	89306
NSR2230	F3A5YR8HR	17.62	17.30	0.0000	18.98	18.60	675
NSR2250	F3A5YR8HR	17.63	17.34	0.0000	19.48	18.98	11154
NSR2270	F3A5YR8HR	17.63	17.34	0.0000	20.19	18.46	21939
NSR2290	F3A5YR8HR	17.63	17.35	0.0001	16.01	15.74	888
NSR2310	F3A5YR8HR	17.63	17.36	0.0000	16.33	16.01	16723
NSR2330	F3A5YR8HR	17.65	17.74	0.0000	14.33	12.08	26629
NSR2350	F3A5YR8HR	17.65	17.75	0.0000	13.22	9.84	31856
NSR2370	F3A5YR8HR	16.66	16.92	0.0000	18.38	15.80	9676
NSR2390	F3A5YR8HR	18.07	17.99	0.0000	6.98	3.25	58993
NSR2410	F3A5YR8HR	16.66	16.92	0.0000	23.21	17.57	18388
NSR2430	F3A5YR8HR	17.99	17.96	0.0000	1.56	1.55	2318
NSR2450	F3A5YR8HR	18.06	17.99	0.0000	20.74	20.69	12032
NSR3000	F3A5YR8HR	17.04	17.19	-0.0727	4.55	49.45	1260
NSR3005	F3A5YR8HR	17.02	17.19	0.1453	49.45	3.50	566
NSR3020	F3A5YR8HR	17.61	17.68	-0.0001	22.15	22.04	61473
NSR3040	F3A5YR8HR	16.25	16.29	0.0000	45.76	45.55	31495
NSR3060	F3A5YR8HR	16.21	16.22	-0.0001	17.91	16.78	41931
NSW0010	F3A5YR8HR	2.00	2.00	0.0000	16.53	0.00	0
NSW0030	F3A5YR8HR	2.13	2.36	0.0003	16.53	16.53	587
NSW0050	F3A5YR8HR	4.04	3.09	-0.0001	16.56	16.53	959

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Outfall	F3A5YR8HR	2.00	2.00	0.0000	51.86	0.00	0
Outfall_NE	F3A5YR8HR	21.00	20.99	0.0018	8.26	0.00	0
PondA	F3A5YR8HR	0.00	18.02	0.0294	14.59	10.50	25364
PondB	F3A5YR8HR	0.00	14.62	0.0000	85.61	62.04	71572
SH_OUTFALL	F3A5YR8HR	2.00	2.00	0.0000	799.36	32.38	0
STORAGE1	F3A5YR8HR	0.00	18.93	0.0000	2.12	0.97	7405
STORAGE10	F3A5YR8HR	0.00	19.96	0.0000	1.55	0.00	9148
STORAGE11	F3A5YR8HR	0.00	20.68	0.0000	6.96	0.01	18648
STORAGE12	F3A5YR8HR	0.00	19.79	0.0001	42.72	5.91	10262
STORAGE13	F3A5YR8HR	0.00	17.08	0.0000	0.57	0.06	5323
STORAGE14	F3A5YR8HR	0.00	20.70	0.0000	2.28	0.00	13395
STORAGE2	F3A5YR8HR	0.00	17.99	0.0000	4.01	1.29	18426
STORAGE4	F3A5YR8HR	0.00	17.92	0.0000	6.11	1.68	12088
STORAGE5	F3A5YR8HR	0.00	21.04	0.0000	13.23	3.42	19934
STORAGE8	F3A5YR8HR	0.00	14.94	0.0000	0.00	0.00	100
STORAGE9	F3A5YR8HR	0.00	18.32	0.0000	5.32	1.11	11761
Sevilla1	F3A5YR8HR	1.20	2.09	0.0000	0.02	0.03	804
Sevilla2	F3A5YR8HR	1.23	2.05	0.0000	0.01	0.01	609
Sevilla3	F3A5YR8HR	1.20	2.09	0.0000	0.06	0.09	1339
Sevilla4	F3A5YR8HR	1.20	2.09	0.0000	0.11	0.14	1450
Shamrock2	F3A5YR8HR	1.11	2.05	0.0001	51.91	51.86	5389
Shmrck1.1	F3A5YR8HR	1.38	2.16	-0.0001	51.84	51.87	6206
Shmrck1.2	F3A5YR8HR	1.20	2.09	-0.0002	51.87	51.91	3971
THEA_JUNCT 1	F3A5YR8HR	0.00	13.60	0.0000	25.82	25.78	667
THEA_JUNCT 2	F3A5YR8HR	0.00	13.10	0.0000	25.78	25.77	501
THEA_Watrous	F3A5YR8HR	0.00	14.58	0.0002	25.93	25.82	814
V3	F3A5YR8HR	6.53	6.53	0.0000	0.00	0.00	436
BC_N02	F3AMilton	0.00	18.00	0.0000	5.24	0.00	0
Church1	F3AMilton	8.77	10.64	-0.0001	0.68	0.41	533
Church2	F3AMilton	8.77	10.64	0.0001	9.93	9.87	4390
Clark1	F3AMilton	7.21	8.26	-0.0003	0.54	0.56	743
Clark2	F3AMilton	7.21	8.26	-0.0005	67.32	68.29	22766
DM1	F3AMilton	11.42	12.11	-0.0001	10.12	10.13	1417
DM2	F3AMilton	10.30	10.99	0.0001	10.13	10.03	2201
DM3	F3AMilton	9.16	10.69	-0.0001	10.03	9.93	2968
E_Outlet	F3AMilton	0.00	16.23	-0.0056	164.24	26.75	0
E_Outlet2	F3AMilton	0.00	17.00	0.0000	0.00	0.00	0
EIP_Hes.1	F3AMilton	1.99	4.16	0.0006	1.47	1.30	763
EIP_con.1	F3AMilton	2.18	4.45	0.0030	99.48	106.74	4221
EIPrad.1	F3AMilton	1.99	4.16	0.0001	0.67	0.44	632
G1	F3AMilton	14.98	16.47	0.3099	342.28	483.15	38289
G10	F3AMilton	8.77	10.60	0.0005	67.34	67.32	4600
G2	F3AMilton	14.99	16.18	-0.0229	121.34	128.34	32965
G3	F3AMilton	14.86	16.25	-0.1924	384.57	319.83	27815

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
G4	F3AMilton	12.82	15.14	-0.0041	169.81	153.30	57231
G5	F3AMilton	11.69	14.02	-0.0054	99.11	98.60	46198
G6	F3AMilton	11.00	9.24	0.0000	14.82	0.00	0
G7	F3AMilton	11.00	12.44	-0.0001	72.33	72.33	3601
G8	F3AMilton	10.07	11.40	-0.0001	59.41	59.00	2143
G9	F3AMilton	9.41	10.88	-0.0001	59.00	58.58	1353
H1	F3AMilton	1.99	5.35	-0.0015	43.90	43.88	16513
H2.1	F3AMilton	1.99	4.16	0.0010	143.32	143.31	6108
Hubert	F3AMilton	3.16	5.26	-0.0004	68.97	74.03	5965
JUNCT1	F3AMilton	0.00	13.82	-0.0001	0.58	0.57	1129
JUNCT10	F3AMilton	0.00	22.07	-0.0001	51.31	51.24	10612
JUNCT2	F3AMilton	0.00	13.99	-0.0007	13.23	9.23	1611
JUNCT3	F3AMilton	0.00	19.85	0.0001	2.64	2.55	7587
JUNCT4	F3AMilton	0.00	13.59	0.0000	1.87	1.87	4257
JUNCT6	F3AMilton	0.00	17.55	-0.0313	973.74	1143.43	10285
JUNCT7	F3AMilton	0.00	19.56	-0.0001	108.15	108.23	8387
JUNCT7B	F3AMilton	0.00	19.31	-0.0001	111.07	109.46	22834
JUNCT8	F3AMilton	0.00	19.56	-0.0007	193.90	177.60	11633
JUNCT8B	F3AMilton	0.00	19.31	-0.0001	177.11	174.44	34995
JUNCT9	F3AMilton	0.00	29.51	-0.0002	48.49	50.87	9415
L1	F3AMilton	11.53	12.07	-0.0001	54.19	54.11	51697
L2	F3AMilton	11.63	11.78	0.0001	12.74	12.72	41892
L3	F3AMilton	10.43	10.71	-0.0001	32.93	32.90	43562
L4	F3AMilton	8.43	8.66	-0.0001	16.27	16.13	50837
L5	F3AMilton	7.63	7.78	-0.0001	7.01	7.01	43662
L6	F3AMilton	6.93	7.03	0.0000	3.15	3.12	43812
Lois	F3AMilton	4.82	5.82	-0.0007	68.29	68.97	6808
M1	F3AMilton	2.58	6.66	-0.0020	63.89	63.87	24862
M1.1	F3AMilton	6.33	7.04	-0.0001	63.95	63.89	35214
M1.2	F3AMilton	7.03	7.42	-0.0001	47.40	47.34	28571
M1.3	F3AMilton	7.13	7.72	0.0001	41.38	41.34	28488
M2	F3AMilton	2.58	6.19	-0.0053	76.84	76.57	60681
M3	F3AMilton	2.58	5.85	-0.0041	78.29	76.71	39410
M4	F3AMilton	2.58	5.68	-0.0053	77.28	76.31	53041
M5.1	F3AMilton	2.57	4.96	0.0034	99.58	99.48	6163
M6	F3AMilton	2.58	4.96	0.0013	1.77	0.95	558
N01	F3AMilton	0.00	20.05	0.0001	26.06	19.66	45472
N01A	F3AMilton	0.00	19.87	0.0002	7.83	7.86	456
N02	F3AMilton	0.00	18.43	-0.0011	34.64	27.75	56748
N03	F3AMilton	0.00	18.51	-0.0004	4.67	4.44	3984
N04	F3AMilton	0.00	19.96	0.0002	11.92	11.92	564
N05	F3AMilton	0.00	17.93	0.0030	51.64	51.49	4382
N06	F3AMilton	0.00	17.68	-0.0356	74.43	74.89	3293
N07A	F3AMilton	0.00	17.29	-0.0017	78.31	78.71	4247
N08A	F3AMilton	0.00	16.05	0.0014	138.22	138.20	4724
N09	F3AMilton	0.00	13.99	0.0001	24.80	24.79	1669
N09A	F3AMilton	0.00	13.46	0.0024	142.82	142.83	1361

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
N10	F3AMilton	2.00	1.90	0.0004	353.64	1.23	0
N11	F3AMilton	0.00	17.79	-0.0013	197.10	164.24	505705
NBB0010	F3AMilton	2.00	1.90	0.0037	140.60	1.98	0
NBB0030	F3AMilton	5.03	7.24	-0.0658	140.51	140.60	6478
NBB0050	F3AMilton	9.15	13.04	-0.0005	181.14	140.51	107621
NBB0070	F3AMilton	11.30	13.93	-0.0002	110.10	109.62	2588
NBB0090	F3AMilton	12.67	14.10	-0.0001	114.88	114.75	2996
NBB0110	F3AMilton	13.46	15.31	-0.0001	106.95	106.93	1986
NBB0130	F3AMilton	15.26	16.76	-0.0004	42.22	39.53	49216
NBB0150	F3AMilton	14.01	15.78	-0.0001	76.56	76.69	1934
NBB0170	F3AMilton	14.74	16.47	-0.0001	76.44	76.56	1452
NBB0190	F3AMilton	15.42	17.14	-0.0002	76.33	76.44	78173
NBB0210	F3AMilton	15.70	17.16	0.0003	75.69	75.78	1556
NBB0230	F3AMilton	16.02	17.18	-0.0001	75.61	75.69	11130
NBB0250	F3AMilton	16.31	17.57	-0.0001	75.36	75.45	2036
NBB0270	F3AMilton	17.05	18.13	0.0003	73.45	75.36	44153
NBB0290	F3AMilton	17.06	18.13	-0.0009	55.12	56.01	1258
NBB0310	F3AMilton	17.07	18.13	-0.0002	160.42	118.12	623963
NBB0330	F3AMilton	16.57	17.40	-0.0002	43.28	40.54	49592
NBB0350	F3AMilton	16.45	17.40	0.0008	28.36	29.06	1397
NBB0370	F3AMilton	16.33	17.39	0.0001	66.95	63.26	81428
NBB0390	F3AMilton	16.32	17.39	-0.0007	21.16	21.73	1834
NBB0410	F3AMilton	16.30	17.39	-0.0002	60.39	57.29	69209
NBB0430	F3AMilton	15.45	16.23	0.0024	330.79	263.13	64101
NBW0010	F3AMilton	2.00	1.82	-0.0011	949.07	15.06	0
NBW0030	F3AMilton	3.39	4.95	-0.0124	949.43	949.07	68523
NBW0050	F3AMilton	3.92	5.29	-0.0002	82.05	80.51	54978
NBW0070	F3AMilton	3.57	5.39	-0.0015	346.29	519.20	71915
NBW0090	F3AMilton	3.66	5.21	-0.0002	51.52	53.16	52912
NBW0130	F3AMilton	3.73	5.50	0.0001	355.42	356.87	14687
NBW0150	F3AMilton	3.93	5.28	0.0006	48.01	48.06	22991
NBW0170	F3AMilton	3.98	5.25	0.0003	49.29	49.78	51111
NBW0190	F3AMilton	3.89	5.64	-0.0004	354.94	355.42	5985
NBW0210	F3AMilton	6.25	6.26	0.0001	6.41	6.36	5138
NBW0230	F3AMilton	4.01	6.00	0.0006	354.11	354.66	8702
NBW0250	F3AMilton	4.88	6.90	-0.0001	352.38	352.57	5687
NBW0270	F3AMilton	5.49	7.04	0.0001	81.33	81.27	69712
NBW0290	F3AMilton	5.91	7.04	-0.0003	32.59	29.82	91697
NBW0310	F3AMilton	6.38	7.14	-0.0002	12.11	10.39	23393
NBW0330	F3AMilton	5.50	7.42	0.0002	341.75	341.86	24909
NBW0350	F3AMilton	4.97	6.01	0.0001	7.16	6.98	18743
NBW0370	F3AMilton	5.52	7.42	0.0006	5.29	6.56	23336
NBW0390	F3AMilton	5.52	7.43	0.0005	8.84	5.26	77467
NBW0410	F3AMilton	5.54	7.58	-0.0006	340.24	340.40	3446
NBW0430	F3AMilton	5.89	8.03	0.0007	6.33	6.78	64319
NBW0450	F3AMilton	5.89	8.03	0.0005	341.90	340.24	12762
NBW0470	F3AMilton	5.89	8.03	0.0005	4.60	5.45	51379

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW0490	F3AMilton	5.92	8.19	0.0010	339.61	339.27	3167
NBW0510	F3AMilton	6.72	8.19	-0.0001	5.37	4.85	37185
NBW0530	F3AMilton	6.22	8.59	-0.0004	339.50	340.16	4801
NBW0550	F3AMilton	6.72	9.97	-0.0002	324.57	353.40	418536
NBW0570	F3AMilton	7.09	9.94	-0.0001	179.10	162.70	190491
NBW0590	F3AMilton	10.03	10.16	-0.0009	278.91	278.26	85910
NBW0610	F3AMilton	6.45	8.83	-0.0002	310.77	310.71	11358
NBW0630	F3AMilton	6.22	8.59	-0.0001	15.72	11.98	93273
NBW0650	F3AMilton	6.66	9.94	0.0017	429.32	494.41	23868
NBW0670	F3AMilton	6.66	9.94	-0.0003	186.17	51.95	43638
NBW0690	F3AMilton	6.71	9.96	-0.0014	448.56	367.22	12333
NBW0710	F3AMilton	6.71	9.96	-0.0002	124.30	164.89	127916
NBW0730	F3AMilton	6.72	9.97	0.0004	323.05	285.55	327700
NBW0750	F3AMilton	7.06	9.97	-0.0032	347.06	333.94	159777
NBW0770	F3AMilton	7.06	9.97	-0.0013	23.57	16.34	38612
NBW0790	F3AMilton	8.11	9.98	0.0001	20.61	20.48	31577
NBW0810	F3AMilton	7.06	9.97	-0.0022	47.51	35.36	80367
NBW0830	F3AMilton	8.41	9.98	-0.0006	31.48	31.28	17586
NBW0850	F3AMilton	10.17	9.98	-0.0002	29.80	29.28	17106
NBW0870	F3AMilton	7.06	9.99	-0.0005	383.40	339.50	333051
NBW0890	F3AMilton	7.06	10.02	0.0557	33.44	37.88	1027
NBW0910	F3AMilton	7.06	9.98	0.0143	340.29	323.59	188632
NBW0930	F3AMilton	8.03	9.83	0.0056	41.91	41.83	1301
NBW0950	F3AMilton	8.82	9.63	-0.0043	76.11	67.04	214660
NBW0970	F3AMilton	8.82	9.63	0.0067	43.36	43.86	41509
NBW0990	F3AMilton	8.82	9.63	-0.0057	19.79	19.75	785
NBW1010	F3AMilton	8.83	9.64	0.0013	39.44	39.63	3175
NBW1030	F3AMilton	9.19	11.68	-0.0001	52.31	43.77	81116
NBW1050	F3AMilton	9.30	11.68	-0.0005	17.97	17.73	900
NBW1070	F3AMilton	9.34	11.68	-0.0002	415.49	418.82	76254
NBW1090	F3AMilton	3.78	5.36	-0.0002	444.59	439.62	20278
NBW1130	F3AMilton	4.51	5.47	-0.0003	175.04	174.93	32951
NBW1150	F3AMilton	4.53	5.54	0.0002	188.86	188.59	70483
NBW1169	F3AMilton	4.09	5.48	0.0001	423.80	420.01	21865
NBW1170	F3AMilton	4.30	5.61	-0.0005	418.05	416.12	8581
NBW1190	F3AMilton	6.13	6.77	0.0002	62.23	56.65	74260
NBW1210	F3AMilton	7.17	7.67	-0.0003	239.68	239.06	161422
NBW1230	F3AMilton	7.17	7.71	-0.0002	226.34	225.97	231843
NBW1250	F3AMilton	4.74	6.14	0.0006	377.60	375.42	7825
NBW1270	F3AMilton	6.14	6.77	-0.0008	23.04	24.66	52166
NBW1310	F3AMilton	5.21	6.33	-0.0007	399.45	359.04	8702
NBW1330	F3AMilton	7.56	8.74	0.0104	316.04	356.67	3040
NBW1350	F3AMilton	10.95	11.60	-0.0013	27.19	26.85	8533
NBW1351	F3AMilton	8.89	11.00	-0.0009	296.92	296.71	26447
NBW1352	F3AMilton	9.96	12.75	0.0018	292.04	292.04	7956
NBW1353	F3AMilton	11.01	14.50	0.0033	287.77	287.78	8196
NBW1370	F3AMilton	10.02	10.85	-0.0034	199.28	210.26	30341

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW1390	F3AMilton	15.24	15.46	-0.0017	306.62	306.15	153202
NBW1410	F3AMilton	15.58	15.75	-0.0005	181.66	181.60	28336
NBW1430	F3AMilton	15.79	15.85	-0.0009	162.69	162.53	20943
NBW1450	F3AMilton	16.94	17.06	-0.0006	270.21	270.01	115933
NBW1460	F3AMilton	16.43	16.55	0.0014	149.99	150.71	4273
NBW1470	F3AMilton	17.14	17.36	0.0021	301.82	301.39	210180
NBW1480	F3AMilton	18.11	18.15	-0.0001	10.19	10.15	15811
NBW1490	F3AMilton	17.86	18.26	0.0026	204.25	203.61	114978
NBW1510	F3AMilton	18.12	18.61	-0.0012	151.52	152.42	35138
NBW1530	F3AMilton	17.92	18.65	0.0009	12.92	12.23	1220
NBW1550	F3AMilton	17.75	18.69	-0.0001	38.14	33.91	35484
NBW1570	F3AMilton	18.21	18.79	0.0006	150.29	151.17	2604
NBW1590	F3AMilton	18.12	18.59	0.0002	62.77	63.58	22659
NBW1610	F3AMilton	18.13	18.59	-0.0001	19.94	19.80	24202
NBW1630	F3AMilton	18.13	18.35	0.0001	29.35	29.34	1769
NBW1650	F3AMilton	18.81	19.62	0.0001	14.89	9.97	46564
NBW1670	F3AMilton	18.89	19.63	-0.0001	20.76	18.53	39897
NBW1690	F3AMilton	19.03	19.63	0.0002	13.46	11.80	24846
NBW1710	F3AMilton	19.26	19.63	-0.0001	2.29	1.78	999
NBW1730	F3AMilton	18.65	19.55	-0.0005	352.67	348.40	321384
NBW1750	F3AMilton	18.82	19.60	-0.0002	145.57	142.80	74078
NBW1770	F3AMilton	18.82	19.62	-0.0001	96.71	87.26	176730
NBW1790	F3AMilton	18.91	19.63	-0.0001	19.95	18.80	38943
NBW1820	F3AMilton	18.72	19.31	0.0001	100.73	97.87	168873
NBW1830	F3AMilton	18.74	19.56	0.0002	63.18	65.28	85457
NBW1840	F3AMilton	18.39	18.83	-0.0001	126.01	119.97	133934
NBW1850	F3AMilton	18.74	19.58	-0.0002	180.65	176.18	147040
NBW1860	F3AMilton	18.39	18.82	-0.0009	11.06	9.54	22428
NBW1870	F3AMilton	18.72	19.31	-0.0012	40.79	42.20	39590
NBW1890	F3AMilton	19.06	19.90	0.0002	43.29	45.21	2614
NBW1910	F3AMilton	19.27	20.11	-0.0002	74.36	73.93	6411
NBW1930	F3AMilton	19.27	20.10	-0.0001	40.03	41.30	41359
NBW1950	F3AMilton	18.97	19.59	0.0002	3.08	2.31	450
NBW1970	F3AMilton	18.96	19.59	-0.0001	9.81	8.93	13412
NBW1990	F3AMilton	19.27	19.95	0.0001	109.88	107.70	140381
NBW2010	F3AMilton	19.65	19.94	-0.0003	11.96	14.71	12018
NBW2030	F3AMilton	19.65	19.93	-0.0001	28.06	24.93	89420
NBW2050	F3AMilton	19.26	20.14	0.0001	83.83	81.00	125255
NBW2060	F3AMilton	0.00	20.14	0.0001	20.50	19.30	62818
NBW2070	F3AMilton	19.26	20.14	-0.0001	112.23	78.48	196099
NBW2090	F3AMilton	19.10	19.19	0.0003	61.33	57.05	17984
NBW2110	F3AMilton	18.92	19.19	-0.0005	278.51	231.72	163612
NBW2130	F3AMilton	18.92	19.19	0.0252	130.75	143.48	33896
NBW2140	F3AMilton	20.00	19.25	-0.0002	5.95	5.69	652
NBW2145	F3AMilton	0.00	19.35	-0.0011	11.54	60.60	30914
NBW2150	F3AMilton	19.26	20.14	-0.0001	90.84	87.50	30555
NBW2170	F3AMilton	19.12	20.16	-0.0001	4.61	4.55	978

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW2190	F3AMilton	19.10	20.18	-0.0001	6.16	4.61	24929
NBW2210	F3AMilton	19.47	20.14	-0.0001	37.87	39.63	40469
NBW2230	F3AMilton	19.47	20.14	-0.0002	68.21	65.41	81550
NBW2250	F3AMilton	19.51	20.14	-0.0001	32.67	33.65	7346
NBW2270	F3AMilton	19.57	20.13	-0.0001	31.60	32.55	32219
NBW2290	F3AMilton	19.65	20.14	-0.0003	67.75	65.14	179482
NBW2310	F3AMilton	19.82	20.05	-0.0002	81.98	80.29	143065
NBW2330	F3AMilton	19.82	20.06	-0.0003	23.64	21.41	77959
NBW2350	F3AMilton	16.05	16.45	-0.0004	146.16	145.39	75572
NBW2370	F3AMilton	16.11	16.45	-0.0001	27.89	26.99	59967
NBW2380	F3AMilton	12.29	16.45	0.0013	306.41	284.83	85862
NBW2385	F3AMilton	18.49	18.49	0.0000	3.15	3.14	6475
NBW2387	F3AMilton	16.11	16.45	0.0002	0.43	0.74	478
NBW2390	F3AMilton	16.42	17.93	-0.0007	124.92	125.17	58088
NBW2410	F3AMilton	16.59	18.37	-0.0003	226.53	225.52	175764
NBW2430	F3AMilton	16.23	18.42	0.0002	331.04	330.63	103476
NBW2450	F3AMilton	16.15	18.47	0.0005	164.00	164.95	4396
NBW2470	F3AMilton	16.43	18.69	0.0005	356.55	345.27	44877
NBW2490	F3AMilton	16.90	18.69	-0.0012	67.26	299.95	22210
NBW2510	F3AMilton	17.74	18.69	-0.0005	65.89	65.70	6374
NBW2530	F3AMilton	17.92	18.65	-0.0084	62.65	63.46	2010
NBW2550	F3AMilton	17.95	18.65	0.0002	1.33	3.17	450
NBW2570	F3AMilton	17.96	18.66	0.0001	2.36	1.33	11225
NBW2590	F3AMilton	18.06	18.62	0.0111	51.15	51.75	1098
NBW2610	F3AMilton	17.00	18.78	-0.0021	390.83	389.33	124113
NBW2630	F3AMilton	17.98	18.80	-0.0002	165.91	156.80	41703
NBW2650	F3AMilton	16.97	18.78	-0.0010	27.79	29.05	37588
NBW2670	F3AMilton	16.42	18.78	-0.0008	35.77	30.71	42917
NBW2680	F3AMilton	17.73	18.41	-0.0012	122.25	122.02	27508
NBW2690	F3AMilton	15.40	18.25	0.0006	329.24	327.34	102875
NBW2710	F3AMilton	17.73	18.44	-0.0001	1.56	2.72	540
NBW2730	F3AMilton	18.29	18.67	0.0001	1.70	1.56	5839
NBW2770	F3AMilton	18.09	18.80	0.0001	13.29	13.33	1310
NBW2775	F3AMilton	6.59	7.37	0.0001	74.06	74.13	75255
NBW2780	F3AMilton	18.38	18.79	-0.0001	129.95	127.59	156644
NBW2790	F3AMilton	18.38	18.82	-0.0005	209.64	201.45	140588
NBW2810	F3AMilton	18.39	18.82	-0.0009	74.54	69.41	77525
NBW2830	F3AMilton	18.40	18.83	-0.0004	53.13	43.86	165334
NC01	F3AMilton	0.00	6.16	-0.0003	28.68	28.66	4175
NC01B	F3AMilton	0.00	5.90	0.0001	21.23	21.22	6025
NC02	F3AMilton	0.00	8.93	0.0052	165.23	165.23	10938
NC03	F3AMilton	0.00	4.94	-0.0671	192.03	192.00	14727
NC04	F3AMilton	0.00	3.89	-0.0357	107.57	105.89	45784
NC05	F3AMilton	0.00	3.87	-0.0352	112.83	111.72	58330
NC06	F3AMilton	0.00	3.81	-0.0371	120.01	119.77	25201
NC07	F3AMilton	0.00	3.81	-0.0351	105.29	105.25	23693
NC08	F3AMilton	0.00	3.77	-0.0346	118.02	117.96	17480

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL0010	F3AMilton	2.00	1.82	-0.0006	574.82	45.04	0
NCL0030	F3AMilton	2.36	2.38	-0.0861	488.98	461.16	7619
NCL0050	F3AMilton	2.36	2.38	0.0013	1.37	8.55	590
NCL0070	F3AMilton	5.20	5.43	0.0005	129.31	129.23	48013
NCL0090	F3AMilton	6.06	6.17	-0.0001	47.66	43.74	75644
NCL0110	F3AMilton	3.04	2.84	-0.0185	670.06	657.17	7710
NCL0130	F3AMilton	4.05	2.96	-0.0323	124.40	131.35	3277
NCL0150	F3AMilton	4.95	3.78	-0.0027	124.40	124.40	3131
NCL0170	F3AMilton	5.08	3.92	-0.0018	87.22	87.26	1705
NCL0190	F3AMilton	5.08	3.93	-0.0004	1.55	2.96	571
NCL0210	F3AMilton	5.85	4.54	0.0010	103.95	104.16	1485
NCL0230	F3AMilton	6.60	6.79	0.0005	40.90	34.71	34785
NCL0250	F3AMilton	6.60	6.80	0.0002	3.00	1.82	564
NCL0270	F3AMilton	6.60	6.80	-0.0006	3.15	3.83	2028
NCL0290	F3AMilton	5.90	4.75	-0.0007	66.76	66.83	1049
NCL0310	F3AMilton	6.10	5.69	0.0016	69.98	70.02	1207
NCL0330	F3AMilton	5.95	5.68	0.0010	6.28	6.25	5302
NCL0350	F3AMilton	6.60	6.80	0.0008	115.13	94.32	69970
NCL0370	F3AMilton	7.36	7.52	-0.0002	87.37	86.85	19160
NCL0390	F3AMilton	4.02	3.93	-0.0109	512.43	559.65	4340
NCL0410	F3AMilton	4.09	3.96	-0.0008	4.68	6.05	897
NCL0430	F3AMilton	4.23	4.00	-0.0005	3.83	3.83	639
NCL0450	F3AMilton	4.75	4.75	-0.0203	497.44	511.82	3676
NCL0470	F3AMilton	5.43	5.51	-0.0254	492.64	492.94	3437
NCL0490	F3AMilton	6.48	6.74	0.0040	543.15	554.96	40320
NCL0510	F3AMilton	6.67	6.84	-0.0012	27.99	27.91	1167
NCL0530	F3AMilton	8.10	7.76	0.0045	40.47	17.71	1220
NCL0550	F3AMilton	8.17	7.80	-0.0028	19.67	40.47	10672
NCL0570	F3AMilton	8.66	7.95	0.0010	10.04	9.88	839
NCL0590	F3AMilton	7.00	7.44	0.0081	510.03	510.12	6179
NCL0610	F3AMilton	7.52	8.14	0.0091	502.18	502.26	3640
NCL0630	F3AMilton	8.06	9.01	-0.0029	499.32	499.22	6104
NCL0650	F3AMilton	8.12	9.06	-0.0010	49.43	102.61	1614
NCL0670	F3AMilton	8.67	9.61	-0.0204	122.73	77.36	1692
NCL0690	F3AMilton	8.76	9.61	0.0079	27.49	35.31	605
NCL0710	F3AMilton	8.95	9.63	0.0013	27.82	27.19	601
NCL0730	F3AMilton	9.26	9.66	-0.0008	28.62	27.82	554
NCL0750	F3AMilton	9.56	9.70	0.0001	89.80	85.61	53620
NCL0770	F3AMilton	10.12	10.17	0.0001	53.80	53.78	2178
NCL0790	F3AMilton	8.69	9.65	0.0299	64.80	105.90	895
NCL0810	F3AMilton	8.84	9.99	0.0016	44.38	42.38	30052
NCL0830	F3AMilton	8.93	10.35	0.0082	402.78	400.48	57814
NCL0850	F3AMilton	9.01	10.35	0.0058	79.01	72.25	39234
NCL0870	F3AMilton	9.37	10.41	0.0668	146.72	131.20	2022
NCL0890	F3AMilton	9.65	10.46	-0.0647	116.39	108.68	1587
NCL0910	F3AMilton	9.71	10.42	0.0052	17.39	17.35	18340
NCL0930	F3AMilton	9.57	10.63	0.0108	86.80	86.48	3602

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL0950	F3AMilton	9.89	10.79	0.0066	84.27	84.09	3171
NCL0970	F3AMilton	10.41	11.03	0.0010	36.50	36.45	2263
NCL0990	F3AMilton	11.00	11.39	-0.0002	30.83	30.73	3493
NCL1010	F3AMilton	11.14	11.52	-0.0002	6.56	6.53	638
NCL1030	F3AMilton	9.67	10.46	-0.0051	27.68	36.99	1585
NCL1050	F3AMilton	10.46	10.47	-0.0010	4.61	4.43	4789
NCL1070	F3AMilton	9.30	11.76	-0.0002	4.27	4.26	636
NCL1090	F3AMilton	9.76	11.78	-0.0001	12.68	23.15	35105
NCL1110	F3AMilton	9.85	11.59	-0.0001	23.05	19.98	48438
NCL1130	F3AMilton	9.76	11.78	0.0002	37.14	27.64	129582
NCL1150	F3AMilton	9.76	11.79	0.0009	819.11	804.55	307953
NCL1170	F3AMilton	10.59	12.86	-0.0011	404.74	397.40	169254
NCL1190	F3AMilton	10.72	13.23	-0.0049	86.99	87.01	1851
NCL1210	F3AMilton	10.63	12.88	0.0003	20.74	25.12	59164
NCL1230	F3AMilton	10.94	13.69	-0.0058	86.99	86.99	1432
NCL1250	F3AMilton	11.11	13.96	0.0054	86.97	86.99	1231
NCL1270	F3AMilton	11.34	14.28	-0.0050	190.85	207.70	197565
NCL1290	F3AMilton	13.06	14.32	0.0006	158.11	152.99	38450
NCL1310	F3AMilton	14.77	15.60	0.0002	149.66	148.75	47570
NCL1330	F3AMilton	10.60	12.86	-0.0007	474.03	461.25	95438
NCL1350	F3AMilton	10.63	12.88	0.0017	438.09	431.21	72627
NCL1370	F3AMilton	10.63	12.91	0.0022	287.08	284.64	22907
NCL1390	F3AMilton	10.63	14.27	0.0008	153.27	54.51	35752
NCL1410	F3AMilton	10.63	14.27	0.0021	121.19	151.96	10467
NCL1430	F3AMilton	10.70	12.89	-0.0008	499.15	454.55	276269
NCL1450	F3AMilton	10.93	13.35	-0.0008	410.23	410.07	3036
NCL1470	F3AMilton	12.72	14.75	0.0001	334.17	334.02	4415
NCL1490	F3AMilton	14.45	14.77	-0.0001	3.68	3.59	748
NCL1510	F3AMilton	11.06	13.32	-0.0013	46.28	79.86	20258
NCL1530	F3AMilton	12.54	13.30	-0.0005	120.27	120.20	24031
NCL1550	F3AMilton	13.13	13.57	-0.0003	37.14	36.98	1023
NCL1570	F3AMilton	13.31	13.64	0.0001	3.40	3.37	505
NCL1590	F3AMilton	13.70	13.69	0.0001	1.52	1.52	1307
NCL1610	F3AMilton	13.37	13.66	0.0001	1.94	1.89	468
NCL1630	F3AMilton	13.57	13.77	-0.0036	91.02	91.00	2776
NCL1650	F3AMilton	13.68	14.01	-0.0019	97.76	97.75	1942
NCL1670	F3AMilton	14.02	15.26	-0.0003	251.30	251.25	18657
NCL1690	F3AMilton	17.47	17.95	-0.0001	68.12	68.10	6990
NCL1710	F3AMilton	17.89	18.23	0.0002	64.75	64.75	3520
NCL1730	F3AMilton	18.27	19.59	0.0063	293.43	293.17	54090
NCL1750	F3AMilton	18.24	19.43	-0.0062	33.86	33.87	513
NCL1770	F3AMilton	18.07	18.24	-0.0006	46.12	46.12	3136
NCL1790	F3AMilton	15.78	16.68	-0.0002	331.22	331.13	5863
NCL1810	F3AMilton	18.13	18.15	-0.0001	38.41	36.76	22989
NCL1830	F3AMilton	18.39	18.64	0.0003	315.11	315.05	6250
NCL1850	F3AMilton	18.50	18.80	-0.0013	77.70	79.05	910
NCL1870	F3AMilton	19.01	19.59	-0.0004	77.68	77.70	1000

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL1890	F3AMilton	19.15	19.80	0.0013	77.67	77.68	981
NCL1910	F3AMilton	19.15	19.80	-0.0001	1.12	1.62	539
NCL1930	F3AMilton	19.91	19.98	0.0001	3.09	3.00	1369
NCL1950	F3AMilton	19.15	19.80	0.0001	0.28	0.28	507
NCL1970	F3AMilton	21.67	21.64	0.0001	1.70	1.70	3104
NCL1990	F3AMilton	19.58	20.45	0.0023	77.67	77.67	917
NCL2010	F3AMilton	19.74	20.49	-0.0003	34.17	34.02	1104
NCL2030	F3AMilton	19.76	19.98	-0.0001	23.97	23.32	42612
NCL2050	F3AMilton	19.76	20.54	-0.0001	30.80	30.42	1411
NCL2070	F3AMilton	19.76	19.98	0.0001	7.68	8.18	1202
NCL2090	F3AMilton	19.87	20.97	0.0008	31.08	30.56	1414
NCL2110	F3AMilton	20.03	21.04	0.0015	21.13	16.40	64011
NCL2130	F3AMilton	19.87	21.03	-0.0001	79.87	70.99	161971
NCL2150	F3AMilton	20.75	20.16	0.0002	83.23	285.18	20311
NCL2170	F3AMilton	19.85	21.03	-0.0041	378.60	376.95	130094
NCL2230	F3AMilton	19.13	19.69	0.0005	266.91	264.69	43045
NCL2250	F3AMilton	19.55	20.20	0.0012	216.99	217.49	4444
NCL2270	F3AMilton	20.05	20.86	0.0002	284.73	283.92	52591
NCL2290	F3AMilton	19.88	21.03	0.0001	10.22	10.75	31690
NCL2310	F3AMilton	20.45	20.97	-0.0001	101.86	101.51	1780
NCL2330	F3AMilton	20.74	21.04	0.0002	102.98	101.86	87780
NCL2350	F3AMilton	20.78	21.07	0.0001	96.14	96.29	5370
NCL2370	F3AMilton	20.81	21.07	0.0003	94.41	94.67	2298
NCL2390	F3AMilton	20.84	21.07	-0.0001	83.96	79.64	107137
NCL2410	F3AMilton	21.07	21.20	0.0001	32.16	32.11	1380
NCL2430	F3AMilton	21.32	21.33	0.0003	30.89	30.88	1473
NCL2450	F3AMilton	21.25	21.28	-0.0007	5.03	4.98	493
NCL2470	F3AMilton	20.93	21.10	0.0006	16.04	15.90	846
NCL2490	F3AMilton	21.54	21.39	0.0003	27.61	27.64	1524
NCL2510	F3AMilton	21.70	21.40	0.0001	127.44	127.64	94465
NCL2530	F3AMilton	21.70	21.40	-0.0001	55.33	55.45	46497
NCL2540	F3AMilton	0.00	22.08	-0.0004	80.18	79.54	46363
NCL2550	F3AMilton	21.70	21.39	-0.0001	66.05	66.13	15930
NCL2570	F3AMilton	21.51	21.36	0.0009	14.62	15.00	1503
NCL2580	F3AMilton	0.00	21.35	-0.0014	120.30	197.31	33943
NCL2590	F3AMilton	21.17	21.35	0.0003	270.48	205.58	137154
NCL2610	F3AMilton	21.14	21.34	-0.0002	144.65	138.99	29782
NCL2630	F3AMilton	20.86	20.97	-0.0002	84.60	83.31	51078
NCL2631	F3AMilton	0.00	20.76	0.0005	76.36	86.63	44771
NCL2650	F3AMilton	21.17	21.12	-0.0001	46.02	42.47	47215
NCL2670	F3AMilton	21.93	21.88	-0.0001	126.98	151.21	29083
NCL2690	F3AMilton	21.96	22.02	-0.0001	71.54	75.59	26645
NCL2710	F3AMilton	21.96	22.26	0.0001	60.05	58.28	54550
NCL2730	F3AMilton	21.95	22.53	-0.0001	40.36	39.85	8389
NCL2750	F3AMilton	21.84	22.98	-0.0005	106.96	106.29	33590
NCL2770	F3AMilton	21.71	22.41	-0.0009	29.48	29.49	1389
NCL2780	F3AMilton	0.00	22.25	0.0002	23.99	22.72	26933

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL2790	F3AMilton	21.84	22.26	0.0001	139.93	136.86	118024
NCL2810	F3AMilton	22.11	22.76	-0.0005	86.52	86.29	21880
NCL2830	F3AMilton	23.09	22.85	0.0005	16.82	16.79	2155
NCL2835	F3AMilton	0.00	23.78	0.0002	7.67	7.89	1091
NCL2840	F3AMilton	0.00	23.73	0.0001	86.74	86.65	24050
NCL2845	F3AMilton	0.00	24.27	-0.0001	48.06	47.99	15573
NCL2850	F3AMilton	20.82	21.11	-0.0001	18.11	18.34	1361
NCL2870	F3AMilton	20.83	21.11	-0.0003	17.04	17.24	1246
NCL2890	F3AMilton	20.83	21.11	-0.0002	16.85	17.04	21510
NCL2910	F3AMilton	20.83	21.11	-0.0002	72.83	72.74	43437
NCL2930	F3AMilton	19.55	20.23	0.0013	225.18	225.38	22129
NCL2950	F3AMilton	19.53	20.23	0.0065	159.23	159.73	28292
NCL2970	F3AMilton	20.49	20.52	0.0003	44.35	43.88	11180
NCL2990	F3AMilton	19.33	20.12	-0.0481	153.15	153.64	9595
NCL3010	F3AMilton	19.35	20.13	0.0851	178.18	156.23	297406
NCL3030	F3AMilton	19.58	20.16	0.0625	151.37	159.91	106578
NCL3050	F3AMilton	19.94	20.22	0.0010	65.45	62.36	52259
NCL3070	F3AMilton	20.14	20.24	-0.0001	32.76	31.60	24479
NCL3090	F3AMilton	19.59	20.15	-0.0684	113.54	106.21	112353
NCL3110	F3AMilton	19.59	20.16	0.0003	64.84	57.58	140105
NCL3130	F3AMilton	19.59	20.16	0.0002	21.19	17.23	65790
NCL3150	F3AMilton	19.54	20.14	-0.0031	124.09	119.04	77389
NCL3170	F3AMilton	19.71	20.34	0.0001	95.86	95.49	41175
NCL3190	F3AMilton	20.31	20.56	-0.0001	98.65	96.84	134497
NCL3210	F3AMilton	20.32	20.56	-0.0001	68.34	67.23	65082
NCL3230	F3AMilton	20.32	20.57	-0.0001	52.48	52.01	25596
NCL3250	F3AMilton	19.11	19.28	0.0019	154.74	154.17	138729
NCL3250A	F3AMilton	0.00	19.70	0.0005	115.87	115.79	2678
NCL3270	F3AMilton	19.11	19.63	0.0001	27.31	26.27	13997
NCL3280	F3AMilton	0.00	19.79	-0.0001	31.39	30.92	16889
NCL3290	F3AMilton	20.16	20.41	-0.0001	31.63	31.10	29153
NCL3300	F3AMilton	0.00	19.76	0.0001	9.85	9.85	2100
NCL3310	F3AMilton	20.19	20.52	-0.0001	2.22	2.22	768
NCL3330	F3AMilton	20.75	20.73	-0.0001	4.44	4.13	437
NCL3350	F3AMilton	20.51	20.69	0.0001	35.71	35.11	47837
NCL3360	F3AMilton	0.00	20.69	-0.0001	12.94	11.89	20895
NCL3365	F3AMilton	0.00	20.29	-0.0001	32.25	32.19	26891
NCL3370	F3AMilton	20.64	21.06	-0.0002	130.83	130.44	97033
NCL3390	F3AMilton	20.83	21.11	0.0001	123.68	123.66	42031
NCL3410	F3AMilton	20.83	21.11	0.0001	1.34	2.59	477
NCL3430	F3AMilton	20.83	21.11	0.0001	1.54	0.99	4470
NCL3450	F3AMilton	18.92	19.27	-0.0010	307.81	372.81	200131
NCL3470	F3AMilton	19.11	19.28	0.0003	316.99	273.28	257732
NCL3471	F3AMilton	0.00	19.31	0.0408	98.34	97.72	5436
NCL3490	F3AMilton	19.15	19.29	0.0003	140.28	134.05	48398
NCL3510	F3AMilton	20.64	19.89	-0.0001	118.80	118.37	28274
NCL3520	F3AMilton	0.00	19.57	0.0002	292.94	311.90	39884

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL3530	F3AMilton	20.66	20.77	-0.0001	161.82	161.92	68134
NCL3550	F3AMilton	20.66	20.77	-0.0013	3.56	6.92	736
NCL3570	F3AMilton	20.66	20.89	-0.0010	1.46	3.56	629
NCL3590	F3AMilton	20.66	20.90	0.0001	1.82	1.46	6550
NCL3610	F3AMilton	20.66	20.77	-0.0057	36.80	37.71	1320
NCL3630	F3AMilton	20.64	20.76	-0.0001	270.79	260.08	120852
NCL3635	F3AMilton	0.00	20.76	-0.0005	23.14	23.05	1918
NCL3640	F3AMilton	0.00	20.77	-0.0002	32.70	32.60	47248
NCL3650	F3AMilton	18.92	19.21	-0.0003	9.78	10.54	503
NCL3670	F3AMilton	18.92	19.20	-0.0001	8.48	19.27	57530
NCL3690	F3AMilton	18.92	19.27	-0.0137	101.99	100.56	2563
NCL3730	F3AMilton	18.92	19.27	0.0245	13043.30	7954.13	140204
NCL3740	F3AMilton	0.00	19.27	0.0011	186.41	192.88	39918
NCL3750	F3AMilton	18.93	19.59	-0.0013	195.94	188.36	288947
NCL3770	F3AMilton	18.93	19.59	-0.0007	34.09	43.51	111610
NCL4000	F3AMilton	0.00	29.79	0.0001	48.51	48.49	7129
NCL4010	F3AMilton	0.00	29.51	-0.0001	42.76	40.55	13968
NCypEast	F3AMilton	32.00	29.00	0.0000	10.62	0.00	0
NCypWest	F3AMilton	32.00	29.93	0.0000	0.00	0.00	0
NOC0010	F3AMilton	2.00	1.82	-0.0020	718.98	620.31	0
NOC0030	F3AMilton	1.14	2.34	-3.4727	1793.78	1751.70	3873
NOC0050	F3AMilton	1.20	2.36	-0.8752	1477.08	1503.97	5161
NOC0070	F3AMilton	1.45	2.15	-0.5030	58678.51	1305.20	4369
NOC0090	F3AMilton	2.91	2.28	-0.2285	243.38	303.19	968
NOC0110	F3AMilton	1.65	2.28	0.7471	1030.19	58473.52	1412
NOC0130	F3AMilton	3.06	2.51	-0.2243	395.59	381.49	2699
NOC0150	F3AMilton	3.08	2.52	-0.0001	1.97	2.09	540
NOC0170	F3AMilton	4.56	4.69	-0.0001	8.58	8.58	1221
NOC0190	F3AMilton	5.09	3.78	0.0586	317.12	317.06	2579
NOC0210	F3AMilton	5.68	4.19	0.0038	17.08	16.72	1226
NOC0230	F3AMilton	5.12	3.80	0.0054	6.16	10.34	815
NOC0250	F3AMilton	5.30	3.93	0.0005	5.36	5.10	998
NOC0270	F3AMilton	5.57	4.12	0.0001	3.13	2.80	680
NOC0290	F3AMilton	5.11	3.95	-0.0463	310.71	311.02	2223
NOC0310	F3AMilton	5.27	4.06	-0.0587	39.24	39.01	520
NOC0330	F3AMilton	5.85	4.53	-0.0232	277.49	277.16	3670
NOC0350	F3AMilton	5.89	4.93	-0.0123	214.27	214.29	3332
NOC0370	F3AMilton	6.47	6.72	0.0071	171.50	171.61	25115
NOC0390	F3AMilton	6.60	6.80	-0.0079	48.30	46.41	22442
NOC0410	F3AMilton	6.95	6.95	-0.0003	44.23	40.00	28260
NOC0430	F3AMilton	7.01	7.02	0.0001	34.41	33.71	13917
NOC0450	F3AMilton	7.62	7.42	-0.0002	29.09	29.00	10440
NOC0470	F3AMilton	8.12	8.04	0.0006	20.40	19.99	20845
NOC0490	F3AMilton	7.67	7.43	0.0002	3.67	3.64	1051
NRU0010	F3AMilton	2.00	1.90	-0.0023	630.01	4.89	0
NRU0030	F3AMilton	2.84	3.40	-0.0875	335.49	335.48	2468
NRU0050	F3AMilton	4.36	4.93	0.0018	335.48	335.49	2036

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0070	F3AMilton	5.61	6.31	-0.0053	336.07	335.48	19961
NRU0090	F3AMilton	5.66	6.32	0.0008	68.13	63.48	21554
NRU0110	F3AMilton	6.23	6.60	0.0007	261.87	261.48	18308
NRU0130	F3AMilton	7.66	7.92	-0.0324	337.06	240.98	2616
NRU0150	F3AMilton	7.71	7.97	0.0220	232.80	332.70	1505
NRU0160	F3AMilton	0.00	14.93	0.0002	189.38	189.33	4959
NRU0165	F3AMilton	0.00	15.21	-0.0001	5.63	5.46	474
NRU0170	F3AMilton	14.45	17.53	0.0018	749.53	214.85	110657
NRU0172	F3AMilton	0.00	17.55	0.0001	10.92	12.10	832
NRU0174	F3AMilton	0.00	17.58	0.0003	14.99	10.92	10643
NRU0176	F3AMilton	0.00	16.32	-0.0001	10.53	10.53	762
NRU0178	F3AMilton	0.00	17.30	-0.0001	7.79	7.85	958
NRU0180	F3AMilton	0.00	17.58	0.0001	198.74	178.82	217664
NRU0190	F3AMilton	14.45	17.53	-0.0008	17.91	14.23	24184
NRU0210	F3AMilton	14.45	17.41	0.0008	15.27	11.72	18412
NRU0230	F3AMilton	13.39	15.13	-0.0007	22.18	22.14	21021
NRU0250	F3AMilton	14.62	17.53	-0.0027	865.72	738.21	61345
NRU0270	F3AMilton	15.05	17.55	0.0154	696.40	774.67	15259
NRU0290	F3AMilton	16.30	18.80	-0.0003	55.53	50.33	79971
NRU0310	F3AMilton	16.13	17.83	-0.0008	87.83	87.68	3455
NRU0330	F3AMilton	18.25	18.41	-0.0001	25.72	26.07	1352
NRU0335	F3AMilton	0.00	19.30	-0.0001	6.63	5.79	14066
NRU0340	F3AMilton	0.00	18.81	0.0001	62.40	58.82	43106
NRU0343	F3AMilton	0.00	19.48	-0.0001	10.94	10.69	918
NRU0345	F3AMilton	0.00	19.71	-0.0001	53.89	51.96	76246
NRU0350	F3AMilton	19.50	18.92	0.0001	9.27	10.04	4188
NRU0370	F3AMilton	19.51	18.92	-0.0001	7.73	8.11	9107
NRU0380	F3AMilton	23.33	18.86	-0.0008	6.71	7.91	470
NRU0390	F3AMilton	27.00	18.84	-0.0003	24.17	19.81	22832
NRU0410	F3AMilton	19.56	18.97	0.0001	5.05	6.24	1098
NRU0425	F3AMilton	15.53	16.39	0.0001	3.04	4.31	4982
NRU0430	F3AMilton	19.61	19.01	0.0001	3.41	5.05	1073
NRU0450	F3AMilton	19.66	19.06	0.0001	2.59	3.41	1044
NRU0470	F3AMilton	19.72	19.27	0.0002	2.64	2.59	784
NRU0490	F3AMilton	20.36	19.36	0.0002	2.79	2.64	1025
NRU0495	F3AMilton	0.00	15.79	-0.0466	859.70	778.71	2716
NRU0500	F3AMilton	0.00	16.24	0.1088	1263.51	1224.19	5646
NRU0510	F3AMilton	19.67	20.19	0.0004	30.33	28.30	69133
NRU0530	F3AMilton	16.95	18.13	-0.0003	54.12	55.16	2251
NRU0550	F3AMilton	17.92	18.48	-0.0002	109.39	106.53	83779
NRU0570	F3AMilton	18.16	18.83	-0.0002	82.66	82.56	8472
NRU0590	F3AMilton	18.51	19.46	-0.0002	54.56	54.57	23146
NRU0610	F3AMilton	18.78	19.67	-0.0022	47.70	48.64	59580
NRU0612	F3AMilton	0.00	19.67	0.0014	41.70	42.66	33553
NRU0615	F3AMilton	0.00	19.90	-0.0001	8.76	8.52	2092
NRU0616	F3AMilton	0.00	20.23	-0.0002	6.43	6.28	16641
NRU0618	F3AMilton	0.00	20.45	-0.0001	13.03	12.16	15514

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0620	F3AMilton	0.00	19.98	0.0001	22.42	21.82	24899
NRU0630	F3AMilton	18.79	19.57	-0.0037	47.21	46.50	25805
NRU0650	F3AMilton	18.79	19.43	0.0071	68.34	66.07	30714
NRU0670	F3AMilton	18.78	19.32	0.0077	60.24	60.19	1429
NRU0690	F3AMilton	18.84	19.18	-0.0041	80.01	77.79	27682
NRU0710	F3AMilton	18.86	19.17	-0.0036	138.89	133.42	45569
NRU0730	F3AMilton	18.85	19.17	-0.0009	48.67	44.30	47836
NRU0740	F3AMilton	0.00	19.15	-0.0007	142.04	136.54	33681
NRU0745	F3AMilton	0.00	19.13	0.0002	143.49	130.12	47709
NRU0747	F3AMilton	18.87	19.13	0.0057	78.69	78.27	1650
NRU0750	F3AMilton	18.87	19.12	0.0025	172.69	192.39	243450
NRU0770	F3AMilton	18.88	19.12	0.0073	26.21	27.55	968
NRU0785	F3AMilton	0.00	19.12	-0.0203	63.26	54.86	59628
NRU0790	F3AMilton	18.88	19.12	-0.2119	725.52	837.14	135298
NRU0810	F3AMilton	18.88	19.12	-0.0083	23.30	18.61	11338
NRU0820	F3AMilton	0.00	19.11	0.0007	5.77	3.08	442
NRU0830	F3AMilton	18.99	19.20	-0.5222	2192.81	2549.82	37350
NRU0840	F3AMilton	9999.00	22.97	7.2121	9636.26	15025.63	2258
NRU0850	F3AMilton	19.11	20.11	-1.1174	1663.82	2932.26	2553
NRU0870	F3AMilton	19.32	19.30	0.0312	57.17	72.39	560
NRU0890	F3AMilton	19.35	19.27	0.0003	59.37	72.33	69678
NRU0910	F3AMilton	19.35	19.33	0.0001	2.14	1.86	580
NRU0930	F3AMilton	19.35	19.62	0.0001	2.18	2.14	1742
NRU0950	F3AMilton	19.11	19.27	0.0523	1120.18	1342.98	37060
NRU0955	F3AMilton	0.00	19.27	0.0235	1289.77	1091.28	56858
NRU0960	F3AMilton	0.00	19.28	0.0041	222.18	212.00	40582
NRU0965	F3AMilton	0.00	19.28	0.0016	227.66	213.91	92632
NRU0970	F3AMilton	19.34	19.27	0.0016	47.24	46.23	83397
NRU0980	F3AMilton	0.00	19.27	0.0036	21.31	22.19	1097
NRU0990	F3AMilton	19.39	19.27	-0.0060	32.45	36.93	440
NRU1010	F3AMilton	19.70	19.28	0.0073	32.82	32.45	28703
NRU1015	F3AMilton	0.00	20.37	-0.0010	19.27	14.57	45487
NRU1020	F3AMilton	0.00	21.60	-0.0060	11.78	52.20	866
NRU1025	F3AMilton	0.00	21.11	-0.0003	11.58	11.45	724
NRU1030	F3AMilton	19.70	19.28	0.0004	88.92	76.43	122294
NRU1035	F3AMilton	0.00	19.13	-0.0001	1.39	1.44	436
NRU1036	F3AMilton	0.00	19.28	0.0052	20.01	22.95	437
NRU1037	F3AMilton	0.00	19.26	-0.0001	1.56	4.43	689
NRU1040	F3AMilton	0.00	19.28	-0.0036	54.54	48.38	67646
NRU1045	F3AMilton	0.00	21.66	0.0002	12.58	7.65	40065
NRU1046	F3AMilton	0.00	21.63	0.0060	7.65	7.68	936
NRU1050	F3AMilton	19.70	19.28	-0.0004	84.73	77.42	95039
NRU1070	F3AMilton	19.83	19.38	-0.0003	34.00	33.65	24271
NRU1090	F3AMilton	18.86	19.20	0.1425	101.00	112.08	1336
NRU1110	F3AMilton	18.86	19.12	-0.0131	196.55	175.35	76551
NRU1130	F3AMilton	18.86	19.12	0.0014	24.53	23.80	779
NRU1150	F3AMilton	18.86	19.12	-0.0019	43.45	42.34	73855

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1170	F3AMilton	18.86	19.13	0.0002	31.77	30.37	38419
NRU1182	F3AMilton	0.00	18.75	-0.0001	15.94	15.34	4175
NRU1184	F3AMilton	0.00	18.87	0.0003	13.84	13.36	873
NRU1185	F3AMilton	0.00	19.27	-0.0003	13.49	12.80	41267
NRU1186	F3AMilton	0.00	18.87	0.0002	5.28	5.06	790
NRU1188	F3AMilton	0.00	18.88	0.0001	7.21	5.78	42147
NRU1190	F3AMilton	18.86	18.93	0.0001	6.78	6.26	576
NRU1210	F3AMilton	18.86	18.89	0.0001	6.26	5.88	709
NRU1220	F3AMilton	0.00	18.90	-0.0003	30.85	30.51	2046
NRU1225	F3AMilton	0.00	23.20	0.0001	4.75	4.58	13422
NRU1230	F3AMilton	18.88	18.64	-0.0641	671.92	672.22	4558
NRU1232	F3AMilton	0.00	18.28	-0.0297	697.81	701.56	3681
NRU1234	F3AMilton	0.00	19.11	-0.0024	228.27	279.26	13260
NRU1240	F3AMilton	0.00	19.12	0.0013	45.46	85.36	11096
NRU1250	F3AMilton	4.07	3.09	-0.0685	295.57	295.57	2102
NRU1270	F3AMilton	4.78	4.66	0.0006	292.35	292.34	1665
NRU1290	F3AMilton	5.41	5.41	0.0002	280.82	280.84	3103
NRU1310	F3AMilton	6.42	6.53	-0.0005	280.80	280.82	5052
NRU1330	F3AMilton	8.29	8.73	0.0002	331.68	331.67	3507
NRU1350	F3AMilton	9.32	9.94	-0.0001	327.33	327.29	2409
NRU1370	F3AMilton	11.03	12.20	-0.0001	322.79	322.67	5323
NRU1390	F3AMilton	11.84	12.82	-0.0001	51.60	50.29	21732
NRU1410	F3AMilton	12.56	13.95	-0.0002	270.61	270.71	7425
NRU1430	F3AMilton	15.53	16.39	-0.0002	47.52	32.82	84384
NRU1450	F3AMilton	15.94	16.23	0.0001	38.83	38.82	8960
NRU1470	F3AMilton	15.97	16.28	-0.0001	6.38	6.33	981
NRU1490	F3AMilton	16.09	16.45	0.0001	7.83	6.94	13796
NRU1510	F3AMilton	15.12	17.58	-0.0002	227.59	231.40	167141
NRU1530	F3AMilton	15.71	17.60	-0.0023	104.83	110.96	46201
NRU1550	F3AMilton	15.40	17.59	-0.0001	140.05	144.12	33743
NRU1570	F3AMilton	16.20	18.12	0.0001	50.19	54.30	38756
NRU1590	F3AMilton	16.40	18.12	0.0001	6.38	4.14	18239
NRU1610	F3AMilton	16.56	18.42	0.0001	47.21	48.78	56959
NRU1630	F3AMilton	16.69	18.43	0.0021	40.61	40.70	1538
NRU1650	F3AMilton	16.84	18.43	-0.0001	40.51	40.61	56500
NRU1670	F3AMilton	16.89	18.48	0.0001	49.61	40.51	245553
NRU1690	F3AMilton	16.89	18.50	-0.0004	52.90	50.41	60962
NRU1710	F3AMilton	16.60	18.58	0.0003	32.96	33.09	1426
NRU1730	F3AMilton	16.58	18.72	0.0001	40.82	32.96	208114
NRU1750	F3AMilton	16.58	18.72	-0.0010	10.54	16.87	720
NRU1770	F3AMilton	16.58	18.72	0.0003	28.18	26.04	24191
NRU1790	F3AMilton	17.21	18.72	0.0001	19.60	16.67	61240
NRU1810	F3AMilton	16.58	18.72	0.0001	6.12	3.92	46949
NRU1830	F3AMilton	17.12	18.77	-0.0001	19.44	14.71	86051
NRU1850	F3AMilton	17.07	18.60	0.0018	20.24	20.20	1063
NRU1870	F3AMilton	17.20	18.67	-0.0020	20.27	20.24	907
NRU1890	F3AMilton	17.38	18.76	0.0002	35.53	20.27	152978

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1910	F3AMilton	17.71	18.77	-0.0001	15.95	11.61	69800
NRU1930	F3AMilton	15.71	17.60	0.0045	64.58	91.78	149501
NRU1950	F3AMilton	16.43	17.94	0.0004	59.83	60.05	1646
NRU1970	F3AMilton	16.86	18.14	-0.0013	59.63	59.83	1037
NRU1990	F3AMilton	17.09	18.25	0.0022	72.02	71.97	10678
NRU2010	F3AMilton	18.02	18.66	0.0003	10.38	10.50	7090
NRU2030	F3AMilton	18.39	18.73	-0.0004	15.03	14.75	44082
NRU2050	F3AMilton	18.40	18.76	0.0001	4.80	5.22	453
NRU2070	F3AMilton	18.41	18.77	-0.0001	4.42	4.80	19902
NRU2090	F3AMilton	17.16	18.42	0.0020	57.34	57.47	23097
NRU2110	F3AMilton	17.28	18.67	0.0008	50.68	50.76	28528
NRU2130	F3AMilton	17.49	18.73	0.0002	43.79	43.91	17650
NRU2150	F3AMilton	17.69	18.79	-0.0001	9.31	8.49	75398
NRU2170	F3AMilton	17.07	18.77	0.0001	4.23	4.31	778
NRU2190	F3AMilton	17.08	18.77	0.0001	12.60	5.42	82905
NRU2210	F3AMilton	17.33	18.72	0.0001	8.76	9.25	540
NRU2230	F3AMilton	17.33	18.71	0.0001	43.21	31.19	180872
NRU2250	F3AMilton	17.31	18.71	0.0002	19.04	14.14	58811
NRU2270	F3AMilton	17.61	18.76	-0.0002	30.01	30.00	39665
NRU2290	F3AMilton	17.67	18.77	0.0003	27.68	27.81	22099
NRU2310	F3AMilton	17.68	18.77	0.0012	25.30	26.96	21987
NRU2330	F3AMilton	17.68	18.81	-0.0057	32.16	14.30	21114
NRU2350	F3AMilton	17.68	18.81	-0.0051	11.62	31.18	653
NRU2370	F3AMilton	17.37	18.94	-0.0004	6.93	7.19	528
NRU2390	F3AMilton	17.36	18.94	-0.0004	9.16	6.93	48450
NRU2410	F3AMilton	17.72	18.71	-0.0001	17.94	19.38	41257
NRU2430	F3AMilton	17.83	18.71	0.0002	18.27	17.29	29088
NRU2450	F3AMilton	18.06	18.71	0.0001	9.76	9.14	34774
NRU2470	F3AMilton	15.72	17.62	-0.0012	17.97	17.85	1459
NRU2490	F3AMilton	15.75	17.72	0.0007	18.29	18.23	1433
NRU2510	F3AMilton	15.75	17.83	0.0002	14.15	14.17	959
NRU2530	F3AMilton	15.76	18.32	-0.0002	14.14	14.15	582
NRU2550	F3AMilton	16.53	17.62	0.0001	184.82	179.60	88471
NRU2570	F3AMilton	17.71	18.46	-0.0001	169.55	168.67	89591
NRU2590	F3AMilton	18.30	18.57	0.0001	33.28	33.82	9301
NRU2610	F3AMilton	18.62	19.13	-0.0001	86.23	86.08	29729
NRU2630	F3AMilton	19.41	19.59	-0.0001	82.09	81.68	58138
NRU2650	F3AMilton	19.54	20.05	-0.0001	70.17	69.17	86003
NRU2670	F3AMilton	16.64	16.93	0.0001	27.01	26.90	8683
NRU2690	F3AMilton	17.09	18.14	0.0001	168.69	92.68	599864
NSH02	F3AMilton	0.00	21.29	-0.0007	11.31	35.72	18720
NSH03	F3AMilton	0.00	19.44	-0.0227	5.13	12.94	767
NSH04	F3AMilton	0.00	17.96	0.0068	21.58	20.53	4594
NSH05	F3AMilton	0.00	10.66	0.0409	805.59	868.54	5036
NSH07	F3AMilton	0.00	8.38	0.0002	48.76	48.75	10285
NSH08	F3AMilton	0.00	7.59	-0.0001	16.90	16.88	1701
NSH09	F3AMilton	0.00	10.61	-0.0012	55.64	55.59	12477

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSH10	F3AMilton	0.00	19.11	0.0001	25.58	25.51	31633
NSH11	F3AMilton	0.00	21.07	0.0001	6.47	6.45	6483
NSH12	F3AMilton	0.00	10.54	0.0624	998.49	1110.52	4113
NSH13	F3AMilton	0.00	10.53	-0.1851	1839.42	1655.86	4603
NSH14	F3AMilton	0.00	10.74	0.7359	3135.49	3479.24	1911
NSH15	F3AMilton	0.00	18.70	0.0001	4.84	4.82	6222
NSH16	F3AMilton	0.00	10.49	-0.0984	45.96	73.26	654
NSH17	F3AMilton	0.00	10.60	-1.3523	2039.60	5146.53	2161
NSH18	F3AMilton	0.00	9.86	-0.7760	3197.99	1653.46	3006
NSH19	F3AMilton	0.00	8.69	-0.1482	1018.63	881.56	5396
NSH20	F3AMilton	0.00	20.19	0.0001	3.15	3.10	11547
NSH21	F3AMilton	0.00	11.12	0.0002	10.56	10.20	9448
NSH22	F3AMilton	0.00	13.99	0.0002	31.63	28.34	4483
NSH23	F3AMilton	0.00	18.21	-0.0001	9.61	9.60	2617
NSH24	F3AMilton	0.00	13.99	-0.0003	15.82	22.92	4853
NSH25	F3AMilton	0.00	13.94	-0.0007	14.47	14.14	7858
NSH26	F3AMilton	0.00	13.66	0.0004	51.93	50.51	42099
NSH26A	F3AMilton	0.00	12.62	-0.0008	45.37	45.96	2058
NSH27	F3AMilton	0.00	12.83	-0.0001	8.33	10.47	31761
NSH27A	F3AMilton	0.00	12.70	0.0002	16.38	16.37	921
NSH27AA	F3AMilton	0.00	12.75	0.0004	10.47	10.72	558
NSH27B	F3AMilton	0.00	11.41	-0.0006	16.37	16.38	1033
NSH27C	F3AMilton	0.00	9.19	-0.0025	16.38	16.40	1035
NSH28	F3AMilton	0.00	9.64	0.0001	14.95	14.92	8900
NSH29	F3AMilton	0.00	8.88	-0.0001	8.42	8.32	648
NSH31	F3AMilton	0.00	9.62	0.0001	5.00	5.28	480
NSH33	F3AMilton	0.00	16.56	0.0001	1.89	1.87	3948
NSH34	F3AMilton	0.00	9.18	-0.0001	29.75	29.74	2955
NSH35	F3AMilton	0.00	7.93	-0.0004	28.57	28.59	3298
NSH36	F3AMilton	0.00	7.92	0.0017	18.63	18.60	805
NSH37	F3AMilton	0.00	10.42	-0.3317	2611.21	2834.46	2109
NSH41	F3AMilton	0.00	14.37	0.0001	3.66	3.65	465
NSH42	F3AMilton	0.00	4.62	-0.1409	70.01	70.02	803
NSH43	F3AMilton	0.00	5.33	0.0019	57.57	59.97	581
NSH44	F3AMilton	0.00	9.33	-0.0001	19.22	19.22	670
NSH45	F3AMilton	0.00	16.41	0.0001	37.27	37.13	23175
NSH48	F3AMilton	0.00	18.23	0.0001	12.49	12.48	2601
NSH49	F3AMilton	0.00	17.95	0.0040	14.66	14.63	473
NSH50	F3AMilton	0.00	17.20	-0.0667	766.72	951.35	6021
NSH51	F3AMilton	0.00	18.37	0.0001	27.20	26.94	1330
NSH52	F3AMilton	0.00	17.45	0.0255	722.39	755.21	4427
NSH53	F3AMilton	0.00	17.95	0.0008	42.94	42.59	1017
NSH53B	F3AMilton	0.00	17.65	-0.0012	42.59	42.27	448
NSH54	F3AMilton	0.00	17.96	-0.0032	16.51	16.64	1255
NSH55	F3AMilton	0.00	18.06	0.0202	723.69	700.53	5311
NSH55B	F3AMilton	0.00	18.18	-0.0008	8.52	8.20	447
NSH56	F3AMilton	0.00	18.67	0.0006	8.46	8.70	4388

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSH57	F3AMilton	0.00	19.11	0.0040	259.27	261.00	5299
NSH60	F3AMilton	0.00	18.83	-0.0012	12.68	15.41	436
NSH61	F3AMilton	0.00	17.29	0.0012	12.67	12.38	451
NSH65	F3AMilton	0.00	21.63	-0.0009	3.26	5.75	470
NSH71	F3AMilton	9999.00	18.26	0.0001	30.71	30.56	2506
NSH75	F3AMilton	0.00	6.93	-0.0316	899.53	898.63	4068
NSH76	F3AMilton	0.00	5.67	-0.1973	851.73	851.71	2031
NSH80	F3AMilton	0.00	16.90	0.2405	974.82	1532.81	6657
NSH81	F3AMilton	0.00	20.88	0.0001	0.38	0.37	2614
NSH82	F3AMilton	0.00	20.89	0.0001	1.86	1.84	6523
NSH83	F3AMilton	0.00	16.96	0.0241	33.52	42.70	1484
NSH85	F3AMilton	0.00	16.57	-0.2715	1914.88	1239.08	4681
NSHSelmonD S	F3AMilton	9999.00	11.97	0.0016	801.17	802.72	6356
NSHSelmonU S	F3AMilton	9999.00	15.28	-0.0086	778.71	770.93	3189
NSR0000	F3AMilton	2.00	1.82	-0.0011	360.54	166.05	0
NSR0005	F3AMilton	2.00	1.82	0.0009	5.23	0.14	0
NSR0010	F3AMilton	2.00	1.82	-0.0013	506.96	31.64	0
NSR0030	F3AMilton	2.92	3.54	-0.0013	510.59	506.96	217989
NSR0032	F3AMilton	4.88	5.25	-0.0001	9.22	8.30	22668
NSR0034	F3AMilton	3.63	3.78	0.0001	50.15	48.89	30097
NSR0050	F3AMilton	3.44	4.22	0.0001	483.25	481.05	111991
NSR0070	F3AMilton	3.45	4.11	0.0006	18.74	18.39	57138
NSR0090	F3AMilton	3.68	3.80	-0.0004	23.51	22.96	12174
NSR0100	F3AMilton	2.25	2.34	-0.0081	5.25	5.23	577
NSR0102	F3AMilton	4.24	4.33	0.0001	2.79	2.70	2404
NSR0105	F3AMilton	1.91	2.14	-1.0231	511.16	547.98	2851
NSR0110	F3AMilton	3.93	4.40	-0.0002	21.77	21.29	20393
NSR0112	F3AMilton	2.31	2.24	0.5792	759.14	849.51	1491
NSR0115	F3AMilton	4.25	4.33	0.0001	1.67	1.60	7882
NSR0120	F3AMilton	2.62	2.71	-0.3902	674.84	665.86	2596
NSR0130	F3AMilton	4.16	4.91	-0.0002	19.58	19.19	32909
NSR0135	F3AMilton	4.22	5.31	-0.0001	15.69	15.81	22591
NSR0140	F3AMilton	3.28	3.71	0.4771	557.01	725.33	2501
NSR0150	F3AMilton	3.64	4.67	0.0007	441.60	441.13	29727
NSR0160	F3AMilton	3.56	4.12	0.3453	528.61	537.62	14154
NSR0165	F3AMilton	4.03	5.42	0.0001	42.22	42.18	30588
NSR0170	F3AMilton	3.70	5.13	0.0001	27.11	27.08	16078
NSR0180	F3AMilton	3.83	5.32	-0.0003	78.60	77.83	38592
NSR0190	F3AMilton	4.04	4.96	0.0126	59.39	59.86	4955
NSR0210	F3AMilton	4.26	5.74	-0.0109	63.11	59.24	20887
NSR0230	F3AMilton	4.26	5.74	-0.0042	72.10	62.43	144917
NSR0250	F3AMilton	3.93	4.91	0.0250	406.92	406.57	12764
NSR0270	F3AMilton	3.98	4.99	0.0001	160.22	157.40	75989
NSR0280	F3AMilton	5.41	6.02	-0.0333	301.78	301.57	42672
NSR0281	F3AMilton	5.97	6.71	-0.0127	267.28	267.15	20835

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0290	F3AMilton	6.70	7.19	-0.0008	113.32	109.67	44166
NSR0310	F3AMilton	9.28	9.42	-0.0004	103.48	103.08	64932
NSR0330	F3AMilton	9.65	9.92	-0.0010	8.10	8.09	470
NSR0350	F3AMilton	10.32	10.85	-0.0011	8.11	8.10	446
NSR0370	F3AMilton	10.35	10.89	-0.0001	9.73	8.11	10324
NSR0390	F3AMilton	11.96	12.33	0.0002	87.19	87.05	76764
NSR0410	F3AMilton	12.27	12.92	0.0002	9.01	9.80	510
NSR0430	F3AMilton	12.28	12.94	-0.0001	8.00	9.01	26225
NSR0450	F3AMilton	13.04	14.11	-0.0005	56.89	56.82	37820
NSR0470	F3AMilton	13.10	14.54	-0.0026	42.35	42.32	15691
NSR0490	F3AMilton	4.41	5.12	0.0097	208.56	207.24	35931
NSR0510	F3AMilton	4.48	5.29	0.0155	99.04	98.07	21952
NSR0530	F3AMilton	4.55	5.38	-0.0023	20.31	19.61	54657
NSR0540	F3AMilton	4.55	5.46	-0.0192	107.62	104.95	104360
NSR0550	F3AMilton	4.56	5.46	-0.0929	393.06	392.61	41048
NSR0560	F3AMilton	4.66	5.51	-0.0091	176.42	175.23	98789
NSR0570	F3AMilton	5.28	5.76	0.0022	215.38	215.12	60911
NSR0580	F3AMilton	6.13	6.77	-0.0001	18.37	10.96	114980
NSR0590	F3AMilton	6.15	6.76	-0.0007	119.49	118.84	73438
NSR0610	F3AMilton	6.26	6.83	-0.0004	99.67	98.62	79086
NSR0630	F3AMilton	6.26	6.82	-0.0009	21.08	21.19	786
NSR0650	F3AMilton	6.25	6.80	-0.0002	79.26	75.66	210488
NSR0660	F3AMilton	6.13	6.76	-0.0001	76.76	75.96	76908
NSR0670	F3AMilton	6.24	6.80	-0.0006	8.66	9.60	545
NSR0680	F3AMilton	6.14	6.71	-0.0002	99.36	99.05	164480
NSR0690	F3AMilton	6.24	6.79	-0.0003	8.04	8.66	622
NSR0710	F3AMilton	6.23	6.79	-0.0003	7.77	8.04	921
NSR0730	F3AMilton	6.29	6.84	0.0002	144.97	141.22	196205
NSR0770	F3AMilton	6.81	7.68	0.0008	148.76	148.57	28751
NSR0780	F3AMilton	6.74	7.26	-0.0006	60.50	60.09	30047
NSR0790	F3AMilton	8.35	10.71	-0.0013	394.13	392.72	85740
NSR0791	F3AMilton	7.13	8.66	-0.0036	246.64	246.64	5596
NSR0809	F3AMilton	12.76	11.82	-0.0034	74.32	96.46	2124
NSR0810	F3AMilton	13.45	13.67	-0.0003	253.69	253.59	59817
NSR0830	F3AMilton	15.10	15.51	-0.0001	311.57	310.50	158002
NSR0840	F3AMilton	16.09	16.33	-0.0001	63.70	63.64	52167
NSR0850	F3AMilton	15.64	16.20	-0.0029	257.66	257.35	82329
NSR0860	F3AMilton	16.41	16.47	-0.0002	7.00	6.88	14626
NSR0869	F3AMilton	16.03	16.60	-0.0004	28.27	28.17	1504
NSR0870	F3AMilton	16.24	16.81	-0.0002	212.29	212.18	49223
NSR0880	F3AMilton	16.24	16.84	-0.0001	90.27	90.09	24386
NSR0881	F3AMilton	14.14	17.88	-0.0008	374.33	372.56	196395
NSR0890	F3AMilton	4.02	4.95	-0.2748	422.10	480.25	101659
NSR0910	F3AMilton	4.79	5.76	-0.0068	236.31	231.65	87924
NSR0930	F3AMilton	5.54	7.19	-0.0001	124.03	61.63	336364
NSR0950	F3AMilton	5.63	7.19	0.0036	310.67	280.54	193388
NSR0970	F3AMilton	6.14	7.25	-0.0037	149.12	149.57	3616

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0990	F3AMilton	6.27	7.27	-0.0006	235.93	235.39	4530
NSR1010	F3AMilton	6.30	7.30	0.0001	53.67	51.79	20457
NSR1030	F3AMilton	8.54	9.24	0.0013	184.60	184.28	10004
NSR1050	F3AMilton	8.56	9.30	0.0001	109.64	108.77	27490
NSR1070	F3AMilton	9.58	9.78	-0.0054	243.40	242.94	66489
NSR1090	F3AMilton	11.30	11.52	-0.0016	176.16	176.19	8772
NSR1110	F3AMilton	11.57	11.56	0.0001	1.94	1.93	2891
NSR1130	F3AMilton	11.29	11.41	0.0001	36.59	36.58	15762
NSR1150	F3AMilton	11.39	11.58	0.0001	4.61	4.39	10607
NSR1170	F3AMilton	11.38	11.57	0.0002	1.96	2.33	450
NSR1190	F3AMilton	12.70	13.48	-0.0001	173.85	173.84	14719
NSR1210	F3AMilton	12.70	13.49	0.0003	16.42	9.25	101815
NSR1230	F3AMilton	14.76	15.60	0.0001	167.33	167.31	9768
NSR1270	F3AMilton	14.99	15.78	-0.0001	167.33	167.33	6276
NSR1290	F3AMilton	14.99	15.78	-0.0001	3.30	2.03	28076
NSR1310	F3AMilton	14.99	15.78	-0.0001	20.41	9.13	183054
NSR1330	F3AMilton	15.44	16.54	0.0002	160.01	159.63	23747
NSR1350	F3AMilton	15.45	16.55	0.0001	31.09	29.61	360898
NSR1370	F3AMilton	15.56	16.61	0.0041	462.98	386.53	21929
NSR1390	F3AMilton	15.56	16.62	0.0008	2.72	3.58	9195
NSR1410	F3AMilton	15.56	16.61	0.0828	226.81	358.15	96230
NSR1430	F3AMilton	15.76	16.69	-0.0002	42.33	43.53	60647
NSR1450	F3AMilton	15.74	16.69	-0.0001	51.34	48.58	164692
NSR1470	F3AMilton	15.96	16.70	-0.0001	40.48	39.03	85018
NSR1490	F3AMilton	16.21	16.71	-0.0001	41.64	34.60	229756
NSR1510	F3AMilton	16.21	16.71	-0.0002	42.70	43.02	60935
NSR1530	F3AMilton	15.56	16.61	-0.0228	115.95	84.73	26072
NSR1550	F3AMilton	15.68	16.68	0.0017	283.13	224.20	34884
NSR1570	F3AMilton	15.68	16.68	0.0021	97.62	48.81	20473
NSR1590	F3AMilton	15.68	16.69	-0.0235	133.37	161.00	57817
NSR1610	F3AMilton	15.75	16.75	-0.1315	568.19	583.59	61082
NSR1630	F3AMilton	15.75	16.75	0.0151	657.87	628.46	21008
NSR1650	F3AMilton	16.39	17.07	-0.0001	2.29	2.29	436
NSR1670	F3AMilton	15.92	16.96	-0.0030	79.56	78.91	48076
NSR1690	F3AMilton	16.24	17.66	0.0002	97.59	97.44	24231
NSR1710	F3AMilton	16.25	17.66	0.0003	5.80	3.49	49028
NSR1730	F3AMilton	16.32	17.70	-0.0002	102.81	101.59	24040
NSR1750	F3AMilton	16.68	17.70	0.0001	2.41	2.05	6980
NSR1770	F3AMilton	17.23	17.48	0.0001	15.26	12.76	22022
NSR1790	F3AMilton	17.24	17.48	0.0001	15.33	15.23	37827
NSR1810	F3AMilton	17.25	17.48	-0.0001	7.35	7.05	16081
NSR1830	F3AMilton	17.25	17.47	0.0001	64.01	63.39	105658
NSR1850	F3AMilton	16.95	18.21	-0.0003	16.51	11.80	14440
NSR1870	F3AMilton	16.93	18.21	0.0001	59.25	37.87	175266
NSR1890	F3AMilton	16.05	18.21	0.0001	13.42	13.89	1056
NSR1910	F3AMilton	15.45	18.22	-0.0008	145.08	142.81	166033
NSR1930	F3AMilton	16.53	17.76	0.0007	81.09	80.36	16312

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR1950	F3AMilton	16.70	17.72	-0.0003	26.79	27.48	17365
NSR1970	F3AMilton	16.84	18.13	-0.0002	35.46	28.38	116915
NSR1990	F3AMilton	16.86	17.98	0.0005	8.85	8.71	949
NSR2010	F3AMilton	16.91	17.84	0.0005	18.18	12.45	66482
NSR2030	F3AMilton	16.90	17.68	0.0012	12.45	12.47	751
NSR2050	F3AMilton	16.88	17.41	0.0002	20.27	18.24	37994
NSR2070	F3AMilton	16.81	17.40	0.0004	6.23	6.18	781
NSR2090	F3AMilton	16.72	17.40	-0.0003	6.18	6.12	679
NSR2110	F3AMilton	16.54	17.39	-0.0001	16.18	13.41	44920
NSR2130	F3AMilton	16.50	16.61	-0.0005	19.04	18.00	88579
NSR2150	F3AMilton	17.60	18.48	0.0001	94.81	79.52	297405
NSR2170	F3AMilton	17.62	18.51	0.0350	38.32	38.78	2087
NSR2190	F3AMilton	17.62	18.51	0.0294	41.34	41.02	967
NSR2210	F3AMilton	17.62	18.49	-0.0001	105.09	71.18	421681
NSR2230	F3AMilton	17.62	18.50	-0.0202	17.69	17.96	675
NSR2250	F3AMilton	17.63	18.49	-0.0058	19.06	18.79	16003
NSR2270	F3AMilton	17.63	18.49	-0.0053	17.65	20.30	64002
NSR2290	F3AMilton	17.63	18.50	-0.0069	12.92	12.80	888
NSR2310	F3AMilton	17.63	18.50	0.0017	14.90	17.06	49831
NSR2330	F3AMilton	17.65	18.55	0.0001	15.00	10.07	58056
NSR2350	F3AMilton	17.65	18.55	0.0001	17.46	8.48	120883
NSR2370	F3AMilton	16.66	17.90	-0.0003	37.29	35.63	9676
NSR2390	F3AMilton	18.07	18.07	0.0001	9.61	8.78	65883
NSR2410	F3AMilton	16.66	17.90	-0.0002	33.63	28.89	22218
NSR2430	F3AMilton	17.99	17.98	0.0001	2.15	2.15	2661
NSR2450	F3AMilton	18.06	18.08	0.0001	30.30	30.14	15569
NSR3000	F3AMilton	17.04	18.22	-0.0727	9.84	49.45	54598
NSR3005	F3AMilton	17.02	18.22	0.1453	49.45	3.39	566
NSR3020	F3AMilton	17.61	18.01	-0.0001	151.55	151.30	104900
NSR3040	F3AMilton	16.25	16.84	-0.0001	173.01	171.56	121845
NSR3060	F3AMilton	16.21	16.71	0.0002	53.66	49.13	70244
NSW0010	F3AMilton	2.00	1.82	0.0014	27.97	0.35	0
NSW0030	F3AMilton	2.13	2.61	-0.0349	27.99	27.97	1389
NSW0050	F3AMilton	4.04	4.72	-0.0003	28.45	27.99	1533
Outfall	F3AMilton	2.00	1.82	-0.0020	148.70	4.66	0
Outfall_NE	F3AMilton	21.00	20.03	-0.0038	8.36	0.00	0
PondA	F3AMilton	0.00	19.23	0.0294	32.19	30.71	29871
PondB	F3AMilton	0.00	17.79	0.0002	318.65	291.05	211332
SH_OUTFALL	F3AMilton	2.00	1.90	-0.0004	1070.42	47.62	0
STORAGE1	F3AMilton	0.00	20.73	-0.0001	4.13	1.50	7405
STORAGE10	F3AMilton	0.00	21.63	0.0004	3.65	0.46	9148
STORAGE11	F3AMilton	0.00	21.29	0.0005	7.44	0.01	18648
STORAGE12	F3AMilton	0.00	21.60	0.0007	45.61	5.77	10262
STORAGE13	F3AMilton	0.00	19.13	-0.0001	1.28	1.31	5323
STORAGE14	F3AMilton	0.00	23.20	0.0001	2.17	0.16	13395
STORAGE2	F3AMilton	0.00	19.20	0.0003	17.14	8.23	18426
STORAGE4	F3AMilton	0.00	19.35	0.0010	55.13	3.96	12088

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
STORAGE5	F3AMilton	0.00	21.10	0.0001	4.00	2.44	20000
STORAGE8	F3AMilton	0.00	19.02	-0.0001	2.69	2.53	6098
STORAGE9	F3AMilton	0.00	18.83	0.0024	4.65	1.32	11761
Sevilla1	F3AMilton	1.20	2.26	-0.0001	0.47	1.93	804
Sevilla2	F3AMilton	1.23	2.00	-0.0001	0.44	2.48	660
Sevilla3	F3AMilton	1.20	2.26	-0.0001	1.93	5.67	1341
Sevilla4	F3AMilton	1.20	2.26	-0.0002	5.67	12.20	1493
Shamrock2	F3AMilton	1.11	2.00	-0.0360	143.05	151.54	5390
Shmrck1.1	F3AMilton	1.38	2.74	0.0011	143.30	143.23	6206
Shmrck1.2	F3AMilton	1.20	2.26	0.0005	143.23	143.12	4023
THEA_JUNCT 1	F3AMilton	0.00	14.51	-0.0001	34.38	34.38	667
THEA_JUNCT 2	F3AMilton	0.00	13.61	-0.0002	34.38	34.48	501
THEA_Watrous	F3AMilton	0.00	16.24	0.0005	34.38	34.38	812
V3	F3AMilton	6.53	6.62	0.0001	1.33	1.27	36754
BC_N02	F3AVerification	0.00	18.00	0.0000	0.00	0.00	0
Church1	F3AVerification	8.77	8.63	0.0000	0.00	0.00	436
Church2	F3AVerification	8.77	8.21	0.0000	1.90	1.54	4390
Clark1	F3AVerification	7.21	6.61	0.0000	0.14	0.05	709
Clark2	F3AVerification	7.21	6.63	0.0000	29.58	29.53	4366
DM1	F3AVerification	11.42	11.27	0.0000	1.86	1.97	1274
DM2	F3AVerification	10.30	10.01	0.0000	1.97	1.77	1909
DM3	F3AVerification	9.16	9.06	0.0000	1.77	1.90	2968
E_Outlet	F3AVerification	0.00	15.62	0.0001	36.09	21.06	0
E_Outlet2	F3AVerification	0.00	17.00	0.0000	0.00	0.00	0
EIP_Hes.1	F3AVerification	1.99	2.17	0.0000	0.23	0.15	763
EIP_con.1	F3AVerification	2.18	2.22	-0.0001	28.81	28.77	4221
EIPrad.1	F3AVerification	1.99	2.17	0.0000	0.11	0.06	613
G1	F3AVerification	14.98	14.05	-0.0005	30.14	29.48	24938
G10	F3AVerification	8.77	8.10	0.0000	29.61	29.58	4602

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
G2	F3AVerification	14.99	14.77	-0.0001	5.35	3.78	32676
G3	F3AVerification	14.86	13.06	0.0000	31.86	31.85	2179
G4	F3AVerification	12.82	11.75	0.0000	31.85	31.84	2076
G5	F3AVerification	11.69	10.93	0.0000	31.84	31.83	1865
G6	F3AVerification	11.00	9.24	0.0000	3.70	0.00	0
G7	F3AVerification	11.00	10.25	0.0000	31.83	31.82	3599
G8	F3AVerification	10.07	9.47	0.0000	28.12	28.11	2144
G9	F3AVerification	9.41	8.99	0.0000	28.11	28.10	1352
H1	F3AVerification	1.99	2.17	0.0000	0.09	0.06	510
H2.1	F3AVerification	1.99	2.17	0.0001	28.77	28.76	6105
Hubert	F3AVerification	3.16	2.79	0.0000	29.38	29.25	5965
JUNCT1	F3AVerification	0.00	13.59	0.0000	0.09	0.05	718
JUNCT10	F3AVerification	0.00	21.84	0.0000	27.83	27.70	8317
JUNCT2	F3AVerification	0.00	13.50	0.0000	0.00	0.00	436
JUNCT3	F3AVerification	0.00	19.64	0.0000	0.00	0.00	436
JUNCT4	F3AVerification	0.00	13.56	0.0000	1.10	1.07	3413
JUNCT6	F3AVerification	0.00	14.77	0.0000	0.00	0.00	436
JUNCT7	F3AVerification	0.00	18.68	0.0000	7.72	7.85	3638
JUNCT7B	F3AVerification	0.00	18.34	0.0000	7.91	7.54	11254
JUNCT8	F3AVerification	0.00	18.91	0.0000	16.41	17.03	6995
JUNCT8B	F3AVerification	0.00	18.37	0.0000	17.03	15.43	22748
JUNCT9	F3AVerification	0.00	29.38	0.0000	25.30	25.27	8976
L1	F3AVerification	11.53	11.53	0.0000	0.00	0.00	436
L2	F3AVerification	11.63	11.63	0.0000	0.00	0.00	436

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	n						
L3	F3AVerification	10.43	10.43	0.0000	0.00	0.00	436
L4	F3AVerification	8.43	8.43	0.0000	0.00	0.00	436
L5	F3AVerification	7.63	7.63	0.0000	0.00	0.00	436
L6	F3AVerification	6.93	6.93	0.0000	0.00	0.00	436
Lois	F3AVerification	4.82	4.40	0.0000	29.39	29.38	6808
M1	F3AVerification	2.58	2.46	0.0000	0.00	0.00	436
M1.1	F3AVerification	6.33	6.33	0.0000	0.00	0.00	436
M1.2	F3AVerification	7.03	7.03	0.0000	0.00	0.00	436
M1.3	F3AVerification	7.13	7.13	0.0000	0.00	0.00	436
M2	F3AVerification	2.58	2.38	0.0000	0.26	0.09	888
M3	F3AVerification	2.58	2.39	0.0000	0.48	0.30	1154
M4	F3AVerification	2.58	2.39	0.0000	0.78	0.52	900
M5.1	F3AVerification	2.57	2.39	0.0000	29.25	29.11	6162
M6	F3AVerification	2.58	2.39	0.0000	0.26	0.15	558
N01	F3AVerification	0.00	18.66	0.0000	10.26	8.19	7591
N01A	F3AVerification	0.00	17.74	0.0001	6.48	6.33	456
N02	F3AVerification	0.00	13.79	0.0000	7.52	7.48	690
N03	F3AVerification	0.00	16.19	0.0000	0.29	0.25	565
N04	F3AVerification	0.00	17.18	0.0000	1.72	1.70	554
N05	F3AVerification	0.00	12.70	0.0000	29.27	28.46	4409
N06	F3AVerification	0.00	11.23	0.0001	23.53	28.85	3260
N07A	F3AVerification	0.00	7.45	0.0000	33.94	28.21	4219
N08A	F3AVerification	0.00	5.04	-0.0001	39.00	41.32	1953

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
N09	F3AVerification	0.00	8.27	0.0000	3.50	3.48	465
N09A	F3AVerification	0.00	3.79	0.0001	43.07	40.69	1359
N10	F3AVerification	2.00	2.00	0.0000	73.86	0.00	0
N11	F3AVerification	0.00	15.51	-0.0002	26.44	36.09	25171
NBB0010	F3AVerification	2.00	2.00	0.0000	89.29	0.00	0
NBB0030	F3AVerification	5.03	4.35	0.0004	89.30	89.29	557
NBB0050	F3AVerification	9.15	6.69	-0.0001	89.36	89.30	2226
NBB0070	F3AVerification	11.30	8.04	0.0001	83.71	83.77	2549
NBB0090	F3AVerification	12.67	9.07	0.0001	80.96	81.09	1996
NBB0110	F3AVerification	13.46	9.72	0.0001	78.68	78.85	1984
NBB0130	F3AVerification	15.26	12.04	0.0000	12.73	12.65	833
NBB0150	F3AVerification	14.01	10.38	0.0001	64.08	64.06	1936
NBB0170	F3AVerification	14.74	11.26	0.0001	65.52	64.08	1452
NBB0190	F3AVerification	15.42	12.09	0.0001	67.08	65.52	1476
NBB0210	F3AVerification	15.70	12.76	0.0001	58.98	58.53	1556
NBB0230	F3AVerification	16.02	13.54	0.0001	60.60	58.98	1635
NBB0250	F3AVerification	16.31	14.29	0.0001	59.48	57.60	2036
NBB0270	F3AVerification	17.05	15.27	0.0001	62.50	59.48	1836
NBB0290	F3AVerification	17.06	15.80	0.0001	61.39	57.21	1258
NBB0310	F3AVerification	17.07	16.30	0.0001	86.98	71.08	86071
NBB0330	F3AVerification	16.57	16.14	0.0001	23.26	24.44	1624
NBB0350	F3AVerification	16.45	15.99	0.0001	21.75	22.77	1396
NBB0370	F3AVerification	16.33	15.85	0.0001	29.61	28.93	10447
NBB0390	F3AVerification	16.32	15.82	0.0001	18.65	19.42	1837

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	n						
NBB0410	F3AVerification	16.30	15.74	-0.0002	33.36	31.60	16541
NBB0430	F3AVerification	15.45	15.35	-0.0002	35.10	33.87	64553
NBW0010	F3AVerification	2.00	2.00	0.0000	525.60	0.00	0
NBW0030	F3AVerification	3.39	3.32	0.0000	525.98	525.60	37987
NBW0050	F3AVerification	3.92	3.55	0.0000	5.58	4.39	3701
NBW0070	F3AVerification	3.57	3.45	0.0000	149.37	149.95	25419
NBW0090	F3AVerification	3.66	3.53	0.0000	3.78	3.27	2531
NBW0130	F3AVerification	3.73	3.59	0.0000	145.98	146.03	14020
NBW0150	F3AVerification	3.93	3.64	0.0000	6.25	6.04	442
NBW0170	F3AVerification	3.98	3.65	0.0000	2.75	2.51	1312
NBW0190	F3AVerification	3.89	3.72	-0.0001	142.14	142.12	5755
NBW0210	F3AVerification	6.25	6.21	0.0000	4.76	4.73	4529
NBW0230	F3AVerification	4.01	3.81	-0.0001	139.60	139.67	2783
NBW0250	F3AVerification	4.88	4.57	0.0000	137.73	137.80	5270
NBW0270	F3AVerification	5.49	5.26	0.0000	24.19	22.43	11372
NBW0290	F3AVerification	5.91	5.81	0.0000	19.03	18.68	11198
NBW0310	F3AVerification	6.38	6.03	0.0000	6.43	6.38	743
NBW0330	F3AVerification	5.50	5.12	0.0000	125.12	125.43	19352
NBW0350	F3AVerification	4.97	4.92	0.0000	4.68	4.68	2451
NBW0370	F3AVerification	5.52	5.14	-0.0001	6.70	6.22	1014
NBW0390	F3AVerification	5.52	5.14	0.0000	5.75	5.30	3298
NBW0410	F3AVerification	5.54	5.15	-0.0001	118.19	118.49	3446
NBW0430	F3AVerification	5.89	5.44	0.0001	3.58	3.11	847

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW0450	F3AVerification	5.89	5.44	0.0001	118.88	118.19	10099
NBW0470	F3AVerification	5.89	5.44	-0.0001	2.61	2.16	834
NBW0490	F3AVerification	5.92	5.47	-0.0001	116.29	116.67	2656
NBW0510	F3AVerification	6.72	6.59	0.0000	2.13	2.13	1653
NBW0530	F3AVerification	6.22	5.74	0.0000	115.66	115.60	4801
NBW0550	F3AVerification	6.72	6.14	0.0000	67.83	52.75	75104
NBW0570	F3AVerification	7.09	6.70	0.0000	68.13	68.00	3482
NBW0590	F3AVerification	10.03	9.74	-0.0004	65.56	62.76	53372
NBW0610	F3AVerification	6.45	5.92	0.0000	99.77	99.54	6401
NBW0630	F3AVerification	6.22	5.74	0.0000	2.02	1.73	5267
NBW0650	F3AVerification	6.66	6.04	0.0000	102.30	99.69	18931
NBW0670	F3AVerification	6.66	6.04	0.0000	2.72	1.95	6488
NBW0690	F3AVerification	6.71	6.12	0.0000	86.41	81.32	8017
NBW0710	F3AVerification	6.71	6.12	0.0000	7.95	7.93	8686
NBW0730	F3AVerification	6.72	6.12	0.0000	89.98	80.50	47118
NBW0750	F3AVerification	7.06	6.77	0.0001	70.57	42.62	68680
NBW0770	F3AVerification	7.06	6.77	-0.0001	14.15	12.09	7916
NBW0790	F3AVerification	8.11	7.21	0.0000	12.23	11.98	770
NBW0810	F3AVerification	7.06	6.77	0.0000	33.37	26.54	17131
NBW0830	F3AVerification	8.41	7.06	0.0000	17.51	17.27	1329
NBW0850	F3AVerification	10.17	7.34	0.0000	16.29	16.02	755
NBW0870	F3AVerification	7.06	6.78	0.0001	16.89	11.64	41381
NBW0890	F3AVerification	7.06	6.77	0.0001	17.17	17.92	1027
NBW0910	F3AVerification	7.06	6.78	0.0000	34.93	21.12	61518

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	n						
NBW0930	F3AVerification	8.03	6.85	0.0000	25.61	25.39	1301
NBW0950	F3AVerification	8.82	6.97	0.0000	25.83	25.61	866
NBW0970	F3AVerification	8.82	6.99	0.0001	13.23	13.28	827
NBW0990	F3AVerification	8.82	7.02	-0.0001	12.67	12.71	785
NBW1010	F3AVerification	8.83	7.22	0.0000	12.64	12.67	1121
NBW1030	F3AVerification	9.19	7.44	0.0000	12.12	12.15	1103
NBW1050	F3AVerification	9.30	7.59	0.0000	11.27	11.30	900
NBW1070	F3AVerification	9.34	7.65	0.0000	11.25	11.27	767
NBW1090	F3AVerification	3.78	3.66	-0.0001	369.94	368.36	11784
NBW1130	F3AVerification	4.51	4.23	0.0000	12.78	11.81	8895
NBW1150	F3AVerification	4.53	4.30	0.0000	10.35	8.68	13918
NBW1169	F3AVerification	4.09	3.94	0.0000	357.83	355.38	15827
NBW1170	F3AVerification	4.30	4.17	0.0001	353.75	352.84	5807
NBW1190	F3AVerification	6.13	5.42	-0.0001	11.12	6.71	28171
NBW1210	F3AVerification	7.17	5.66	-0.0002	32.74	29.57	30767
NBW1230	F3AVerification	7.17	6.18	-0.0001	31.23	23.32	77409
NBW1250	F3AVerification	4.74	4.58	-0.0001	322.73	321.12	7383
NBW1270	F3AVerification	6.14	5.68	0.0000	6.35	6.41	7975
NBW1310	F3AVerification	5.21	5.08	0.0000	323.83	322.21	7844
NBW1330	F3AVerification	7.56	7.37	-0.0002	285.36	285.35	3112
NBW1350	F3AVerification	10.95	9.08	0.0002	19.18	21.04	496
NBW1351	F3AVerification	8.89	8.55	-0.0002	247.20	246.84	8277
NBW1352	F3AVerification	9.96	9.70	0.0005	241.40	241.02	7956

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW1353	F3AVerification	11.01	10.86	0.0005	236.07	235.64	5636
NBW1370	F3AVerification	10.02	9.72	0.0003	205.66	196.57	6358
NBW1390	F3AVerification	15.24	15.07	-0.0005	202.57	188.32	64062
NBW1410	F3AVerification	15.58	15.46	0.0003	186.05	182.63	17716
NBW1430	F3AVerification	15.79	15.69	-0.0003	150.54	149.92	18594
NBW1450	F3AVerification	16.94	16.78	-0.0004	154.91	150.99	92710
NBW1460	F3AVerification	16.43	16.29	-0.0002	138.90	139.96	3527
NBW1470	F3AVerification	17.14	17.00	-0.0002	154.94	146.92	87417
NBW1480	F3AVerification	18.11	17.99	-0.0001	7.08	4.98	11486
NBW1490	F3AVerification	17.86	17.53	0.0001	104.31	98.27	7422
NBW1510	F3AVerification	18.12	17.70	0.0003	131.49	121.79	5169
NBW1530	F3AVerification	17.92	17.51	0.0001	17.33	12.15	1253
NBW1550	F3AVerification	17.75	17.44	0.0001	17.53	17.16	7630
NBW1570	F3AVerification	18.21	17.80	0.0002	132.24	122.96	2604
NBW1590	F3AVerification	18.12	17.86	0.0001	27.49	25.43	8268
NBW1610	F3AVerification	18.13	17.93	0.0001	24.35	23.98	2566
NBW1630	F3AVerification	18.13	18.01	0.0001	12.46	12.35	1507
NBW1650	F3AVerification	18.81	18.74	0.0001	11.42	9.88	2502
NBW1670	F3AVerification	18.89	18.81	0.0001	16.38	16.22	1927
NBW1690	F3AVerification	19.03	18.94	0.0001	10.05	9.69	7944
NBW1710	F3AVerification	19.26	18.94	0.0001	4.33	1.59	998
NBW1730	F3AVerification	18.65	18.01	0.0004	121.86	113.86	53456
NBW1750	F3AVerification	18.82	18.18	0.0001	68.98	68.71	3883
NBW1770	F3AVerification	18.82	18.72	0.0001	60.29	53.86	37720

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	n						
NBW1790	F3AVerification	18.91	18.84	0.0001	14.61	14.53	1894
NBW1820	F3AVerification	18.72	18.52	-0.0001	33.10	24.50	60488
NBW1830	F3AVerification	18.74	18.36	0.0001	57.34	54.57	1977
NBW1840	F3AVerification	18.39	18.29	0.0001	46.71	38.19	68137
NBW1850	F3AVerification	18.74	18.39	0.0001	55.60	52.27	35696
NBW1860	F3AVerification	18.39	18.29	-0.0001	7.44	4.72	15084
NBW1870	F3AVerification	18.72	18.51	-0.0003	26.29	19.06	20476
NBW1890	F3AVerification	19.06	18.50	0.0001	30.70	31.47	2613
NBW1910	F3AVerification	19.27	18.57	0.0001	30.78	30.79	1873
NBW1930	F3AVerification	19.27	18.64	0.0001	28.95	29.75	1927
NBW1950	F3AVerification	18.97	18.90	0.0001	5.08	2.97	451
NBW1970	F3AVerification	18.96	18.91	0.0000	6.09	6.00	1791
NBW1990	F3AVerification	19.27	18.71	0.0001	26.06	27.36	18559
NBW2010	F3AVerification	19.65	18.85	0.0001	8.57	8.39	1166
NBW2030	F3AVerification	19.65	18.88	0.0001	7.14	7.02	1169
NBW2050	F3AVerification	19.26	18.72	0.0001	22.81	20.23	17790
NBW2060	F3AVerification	0.00	19.45	0.0000	10.98	9.23	22567
NBW2070	F3AVerification	19.26	18.72	0.0001	64.93	58.13	30677
NBW2090	F3AVerification	19.10	16.86	0.0001	68.17	65.18	2747
NBW2110	F3AVerification	18.92	14.55	0.0001	80.35	79.64	2262
NBW2130	F3AVerification	18.92	13.68	0.0001	81.67	83.35	1726
NBW2140	F3AVerification	20.00	14.68	0.0000	2.13	2.12	650
NBW2145	F3AVerification	0.00	16.89	0.0000	8.58	8.20	436

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NBW2150	F3AVerification	19.26	19.04	0.0001	43.56	44.47	2389
NBW2170	F3AVerification	19.12	19.07	0.0003	15.80	4.77	834
NBW2190	F3AVerification	19.10	19.09	0.0002	8.02	4.21	508
NBW2210	F3AVerification	19.47	19.22	0.0001	40.79	41.55	1887
NBW2230	F3AVerification	19.47	19.49	-0.0002	19.58	12.93	31692
NBW2250	F3AVerification	19.51	19.31	0.0001	34.38	34.86	2384
NBW2270	F3AVerification	19.57	19.42	0.0002	33.78	34.26	2580
NBW2290	F3AVerification	19.65	19.55	-0.0002	18.92	18.36	51575
NBW2310	F3AVerification	19.82	19.59	-0.0002	18.77	20.81	57198
NBW2330	F3AVerification	19.82	19.59	-0.0003	14.30	12.95	32442
NBW2350	F3AVerification	16.05	15.86	0.0001	43.92	43.18	3973
NBW2370	F3AVerification	16.11	16.06	-0.0001	9.61	7.57	57551
NBW2380	F3AVerification	12.29	12.27	0.0004	236.49	231.90	10756
NBW2385	F3AVerification	18.49	18.48	0.0000	2.17	2.17	6438
NBW2387	F3AVerification	16.11	15.70	0.0000	0.34	0.33	476
NBW2390	F3AVerification	16.42	16.25	0.0001	31.25	31.10	2672
NBW2410	F3AVerification	16.59	16.56	0.0001	26.92	26.14	2374
NBW2430	F3AVerification	16.23	16.42	0.0001	40.26	39.81	3214
NBW2450	F3AVerification	16.15	16.37	-0.0002	155.10	152.76	4396
NBW2470	F3AVerification	16.43	16.46	0.0001	77.29	75.60	20548
NBW2490	F3AVerification	16.90	16.80	0.0001	74.02	73.99	5569
NBW2510	F3AVerification	17.74	17.24	0.0001	71.27	71.06	2033
NBW2530	F3AVerification	17.92	17.49	0.0001	58.15	57.51	2010
NBW2550	F3AVerification	17.95	17.52	-0.0001	1.74	2.90	450

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	n						
NBW2570	F3AVerification	17.96	17.65	0.0000	1.75	1.74	3049
NBW2590	F3AVerification	18.06	17.63	0.0001	47.17	46.46	1098
NBW2610	F3AVerification	17.00	16.95	-0.0004	83.32	88.81	21972
NBW2630	F3AVerification	17.98	17.85	-0.0001	77.51	77.14	40597
NBW2650	F3AVerification	16.97	16.92	-0.0002	26.26	26.78	1932
NBW2670	F3AVerification	16.42	16.33	-0.0001	28.34	29.12	1830
NBW2680	F3AVerification	17.73	17.22	-0.0001	27.61	28.36	2112
NBW2690	F3AVerification	15.40	15.62	0.0002	232.15	228.45	7486
NBW2710	F3AVerification	17.73	17.22	-0.0001	1.41	2.49	508
NBW2730	F3AVerification	18.29	17.83	0.0000	1.25	0.05	3920
NBW2770	F3AVerification	18.09	17.97	0.0001	14.31	13.37	1310
NBW2775	F3AVerification	6.59	6.22	0.0000	7.40	5.32	12658
NBW2780	F3AVerification	18.38	18.01	-0.0002	26.54	23.99	16655
NBW2790	F3AVerification	18.38	18.29	-0.0001	88.76	87.97	75601
NBW2810	F3AVerification	18.39	18.29	-0.0002	36.20	36.14	66120
NBW2830	F3AVerification	18.40	18.30	-0.0001	31.71	24.04	92248
NC01	F3AVerification	0.00	3.60	0.0000	5.24	5.19	699
NC01B	F3AVerification	0.00	5.60	0.0000	5.25	5.03	1876
NC02	F3AVerification	0.00	2.99	0.0000	42.35	42.34	1891
NC03	F3AVerification	0.00	2.45	-0.0001	46.08	46.07	1239
NC04	F3AVerification	0.00	2.88	0.0000	9.73	9.03	5538
NC05	F3AVerification	0.00	2.51	0.0000	6.76	6.74	437
NC06	F3AVerification	0.00	2.44	0.0000	6.57	6.55	437

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NC07	F3AVerification	0.00	2.11	0.0000	3.09	3.08	437
NC08	F3AVerification	0.00	2.61	0.0000	7.28	7.24	568
NCL0010	F3AVerification	2.00	2.00	0.0000	461.66	0.00	0
NCL0030	F3AVerification	2.36	2.62	-0.0001	436.46	436.43	6856
NCL0050	F3AVerification	2.36	2.62	-0.0001	0.39	1.11	439
NCL0070	F3AVerification	5.20	4.82	-0.0001	47.45	46.98	8640
NCL0090	F3AVerification	6.06	5.86	-0.0002	28.51	20.92	46871
NCL0110	F3AVerification	3.04	3.07	-0.0008	519.16	519.16	6623
NCL0130	F3AVerification	4.05	3.11	-0.0002	78.54	78.64	565
NCL0150	F3AVerification	4.95	3.43	0.0000	78.58	78.54	2802
NCL0170	F3AVerification	5.08	3.51	0.0000	50.63	50.74	1380
NCL0190	F3AVerification	5.08	3.52	0.0000	1.41	1.46	438
NCL0210	F3AVerification	5.85	3.81	0.0000	46.47	46.52	1234
NCL0230	F3AVerification	6.60	3.97	0.0000	10.32	9.84	530
NCL0250	F3AVerification	6.60	4.13	0.0000	0.00	0.00	436
NCL0270	F3AVerification	6.60	5.77	0.0000	2.45	2.44	977
NCL0290	F3AVerification	5.90	3.87	-0.0001	33.43	33.54	924
NCL0310	F3AVerification	6.10	4.13	0.0003	38.28	33.43	1045
NCL0330	F3AVerification	5.95	4.14	0.0000	0.85	1.21	513
NCL0350	F3AVerification	6.60	4.38	-0.0002	32.68	38.18	1373
NCL0370	F3AVerification	7.36	6.39	-0.0001	25.22	24.87	1195
NCL0390	F3AVerification	4.02	3.94	-0.0015	432.69	458.06	4339
NCL0410	F3AVerification	4.09	3.97	0.0000	3.13	3.57	819
NCL0430	F3AVerification	4.23	4.00	0.0000	3.21	3.13	639

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	n						
NCL0450	F3AVerification	4.75	4.60	-0.0016	424.56	432.09	3676
NCL0470	F3AVerification	5.43	5.22	-0.0011	416.81	424.39	3437
NCL0490	F3AVerification	6.48	6.19	-0.0006	418.75	419.93	15564
NCL0510	F3AVerification	6.67	6.26	0.0002	20.50	20.34	1152
NCL0530	F3AVerification	8.10	6.77	0.0004	40.47	13.29	1191
NCL0550	F3AVerification	8.17	6.80	-0.0002	13.79	40.47	880
NCL0570	F3AVerification	8.66	6.87	0.0000	7.43	6.72	840
NCL0590	F3AVerification	7.00	6.67	0.0007	395.46	395.68	3392
NCL0610	F3AVerification	7.52	7.16	0.0007	393.65	393.95	3640
NCL0630	F3AVerification	8.06	7.68	-0.0004	394.71	393.30	4608
NCL0650	F3AVerification	8.12	7.73	-0.0003	45.93	102.61	1613
NCL0670	F3AVerification	8.67	8.23	0.0003	131.83	45.93	1693
NCL0690	F3AVerification	8.76	8.33	0.0001	33.02	35.14	605
NCL0710	F3AVerification	8.95	8.54	0.0001	33.02	32.56	600
NCL0730	F3AVerification	9.26	8.89	-0.0001	34.24	33.02	554
NCL0750	F3AVerification	9.56	9.26	0.0000	41.54	35.88	31048
NCL0770	F3AVerification	10.12	9.81	0.0000	29.80	29.53	2177
NCL0790	F3AVerification	8.69	8.25	-0.0003	28.80	101.59	895
NCL0810	F3AVerification	8.84	8.36	0.0001	28.55	28.80	1379
NCL0830	F3AVerification	8.93	8.57	0.0004	358.19	360.41	14857
NCL0850	F3AVerification	9.01	8.62	0.0001	50.28	48.18	4398
NCL0870	F3AVerification	9.37	8.68	-0.0001	68.48	68.23	2022
NCL0890	F3AVerification	9.65	8.73	0.0001	53.82	53.55	1590

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL0910	F3AVerification	9.71	8.73	0.0001	3.89	3.17	489
NCL0930	F3AVerification	9.57	8.83	0.0001	51.02	50.73	2110
NCL0950	F3AVerification	9.89	8.96	0.0001	43.13	42.23	3146
NCL0970	F3AVerification	10.41	9.08	0.0000	25.11	22.85	2266
NCL0990	F3AVerification	11.00	9.30	0.0000	16.74	17.04	1495
NCL1010	F3AVerification	11.14	9.35	0.0000	3.56	3.65	632
NCL1030	F3AVerification	9.67	8.70	-0.0002	17.40	33.51	1473
NCL1050	F3AVerification	10.46	8.71	0.0001	4.56	2.96	616
NCL1070	F3AVerification	9.30	8.70	0.0001	3.27	1.24	632
NCL1090	F3AVerification	9.76	9.58	0.0000	27.65	15.86	15437
NCL1110	F3AVerification	9.85	9.25	0.0001	16.49	16.71	2041
NCL1130	F3AVerification	9.76	9.58	-0.0001	14.25	16.23	11557
NCL1150	F3AVerification	9.76	9.58	0.0001	354.49	371.78	139563
NCL1170	F3AVerification	10.59	10.58	0.0004	365.28	355.09	60407
NCL1190	F3AVerification	10.72	10.63	0.0001	46.03	45.73	1850
NCL1210	F3AVerification	10.63	10.62	0.0001	15.74	13.85	37883
NCL1230	F3AVerification	10.94	10.67	0.0001	46.33	46.03	1432
NCL1250	F3AVerification	11.11	10.70	0.0001	46.63	46.33	1231
NCL1270	F3AVerification	11.34	10.75	0.0001	46.94	46.63	1217
NCL1290	F3AVerification	13.06	11.53	0.0001	26.48	25.66	1408
NCL1310	F3AVerification	14.77	12.99	0.0000	18.65	18.88	788
NCL1330	F3AVerification	10.60	10.59	0.0001	94.74	101.36	66116
NCL1350	F3AVerification	10.63	10.62	-0.0001	97.98	93.74	32853
NCL1370	F3AVerification	10.63	10.62	-0.0002	11.32	22.23	778

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	n						
NCL1390	F3AVerification	10.63	10.63	0.0001	8.65	3.99	563
NCL1410	F3AVerification	10.63	10.63	0.0001	4.37	1.52	485
NCL1430	F3AVerification	10.70	10.76	0.0005	379.88	343.57	97648
NCL1450	F3AVerification	10.93	11.23	0.0014	364.18	363.91	3036
NCL1470	F3AVerification	12.72	12.40	0.0003	316.98	314.46	4375
NCL1490	F3AVerification	14.45	14.27	0.0000	2.58	2.56	756
NCL1510	F3AVerification	11.06	11.31	-0.0007	43.76	79.71	862
NCL1530	F3AVerification	12.54	12.05	-0.0003	38.78	37.94	2740
NCL1550	F3AVerification	13.13	12.56	-0.0001	37.13	36.90	1021
NCL1570	F3AVerification	13.31	12.58	0.0001	3.56	2.27	504
NCL1590	F3AVerification	13.70	13.66	0.0000	0.99	0.97	1307
NCL1610	F3AVerification	13.37	12.59	0.0000	1.56	1.49	469
NCL1630	F3AVerification	13.57	12.98	-0.0002	52.99	35.63	719
NCL1650	F3AVerification	13.68	13.02	-0.0002	35.44	52.03	1293
NCL1670	F3AVerification	14.02	13.03	0.0000	6.06	5.63	592
NCL1690	F3AVerification	17.47	15.75	0.0000	30.30	30.16	1258
NCL1710	F3AVerification	17.89	16.02	0.0000	28.92	28.66	614
NCL1730	F3AVerification	18.27	16.27	0.0001	25.94	25.64	567
NCL1750	F3AVerification	18.24	16.28	-0.0002	11.34	11.19	513
NCL1770	F3AVerification	18.07	16.31	0.0000	11.52	11.34	487
NCL1790	F3AVerification	15.78	14.08	0.0002	317.97	314.67	5864
NCL1810	F3AVerification	18.13	17.65	-0.0001	27.55	26.15	5435
NCL1830	F3AVerification	18.39	15.68	0.0001	297.85	294.09	6250

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL1850	F3AVerification	18.50	15.94	-0.0003	79.30	79.83	911
NCL1870	F3AVerification	19.01	17.25	0.0001	78.80	79.30	1006
NCL1890	F3AVerification	19.15	17.60	0.0001	78.35	78.80	983
NCL1910	F3AVerification	19.15	17.60	0.0000	1.95	0.85	489
NCL1930	F3AVerification	19.91	19.84	0.0000	2.33	2.32	1488
NCL1950	F3AVerification	19.15	17.77	0.0000	0.00	0.00	436
NCL1970	F3AVerification	21.67	21.63	0.0000	1.31	1.28	2975
NCL1990	F3AVerification	19.58	18.77	0.0001	77.72	77.98	915
NCL2010	F3AVerification	19.74	19.18	-0.0001	42.74	42.34	1109
NCL2030	F3AVerification	19.76	19.23	-0.0001	6.11	7.62	6933
NCL2050	F3AVerification	19.76	19.24	-0.0001	39.21	38.10	1416
NCL2070	F3AVerification	19.76	19.23	-0.0001	1.75	3.09	865
NCL2090	F3AVerification	19.87	19.46	0.0001	40.59	39.21	1415
NCL2110	F3AVerification	20.03	19.48	-0.0005	16.17	17.58	873
NCL2130	F3AVerification	19.87	19.52	-0.0001	33.29	30.41	8036
NCL2150	F3AVerification	20.75	19.94	0.0007	37.88	111.40	5698
NCL2170	F3AVerification	19.85	19.56	-0.0001	95.85	94.93	9277
NCL2230	F3AVerification	19.13	16.56	0.0003	248.33	244.44	5806
NCL2250	F3AVerification	19.55	17.22	0.0001	233.36	229.62	4443
NCL2270	F3AVerification	20.05	18.43	0.0001	116.32	113.44	2534
NCL2290	F3AVerification	19.88	18.47	0.0001	4.81	3.81	782
NCL2310	F3AVerification	20.45	19.49	0.0001	104.88	104.03	1780
NCL2330	F3AVerification	20.74	20.22	0.0001	106.03	104.88	14161
NCL2350	F3AVerification	20.78	20.38	0.0000	95.68	95.47	1888

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	n						
NCL2370	F3AVerification	20.81	20.47	0.0000	93.40	94.35	2300
NCL2390	F3AVerification	20.84	20.66	0.0001	83.42	80.74	33481
NCL2410	F3AVerification	21.07	20.76	0.0000	31.72	32.35	1380
NCL2430	F3AVerification	21.32	20.89	0.0000	31.20	31.63	1474
NCL2450	F3AVerification	21.25	20.85	0.0001	4.44	4.35	493
NCL2470	F3AVerification	20.93	20.71	0.0000	14.00	13.57	783
NCL2490	F3AVerification	21.54	21.01	-0.0001	28.90	29.27	1524
NCL2510	F3AVerification	21.70	21.08	-0.0001	54.23	51.08	58718
NCL2530	F3AVerification	21.70	21.09	0.0001	25.77	24.63	29395
NCL2540	F3AVerification	0.00	21.82	0.0000	36.29	35.26	31951
NCL2550	F3AVerification	21.70	21.08	0.0001	20.86	21.25	9027
NCL2570	F3AVerification	21.51	21.08	0.0001	20.42	20.79	1503
NCL2580	F3AVerification	0.00	21.08	0.0001	55.97	53.02	22768
NCL2590	F3AVerification	21.17	21.07	0.0001	90.04	83.16	89841
NCL2610	F3AVerification	21.14	21.07	0.0001	59.33	58.90	20575
NCL2630	F3AVerification	20.86	20.67	0.0001	44.12	43.08	30674
NCL2631	F3AVerification	0.00	20.07	-0.0004	45.09	43.34	26587
NCL2650	F3AVerification	21.17	21.18	-0.0001	56.33	47.30	57724
NCL2670	F3AVerification	21.93	21.97	-0.0001	35.64	34.99	36439
NCL2690	F3AVerification	21.96	22.07	0.0001	26.43	24.57	30551
NCL2710	F3AVerification	21.96	22.09	0.0001	25.33	23.67	40748
NCL2730	F3AVerification	21.95	22.12	0.0001	22.54	22.91	2003
NCL2750	F3AVerification	21.84	22.12	0.0001	22.01	22.33	1469

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL2770	F3AVerification	21.71	22.07	0.0001	21.59	21.90	1389
NCL2780	F3AVerification	0.00	21.99	0.0000	7.47	6.53	15528
NCL2790	F3AVerification	21.84	22.06	0.0000	71.98	66.92	78767
NCL2810	F3AVerification	22.11	22.58	-0.0001	42.68	41.08	13079
NCL2830	F3AVerification	23.09	22.59	0.0000	11.37	11.11	1239
NCL2835	F3AVerification	0.00	23.66	0.0000	7.21	7.48	1153
NCL2840	F3AVerification	0.00	23.63	0.0000	45.16	44.65	19623
NCL2845	F3AVerification	0.00	24.17	0.0000	25.48	24.28	12430
NCL2850	F3AVerification	20.82	20.54	0.0000	25.18	25.69	1361
NCL2870	F3AVerification	20.83	20.68	0.0000	24.68	25.09	1253
NCL2890	F3AVerification	20.83	20.83	0.0000	21.98	24.68	13325
NCL2910	F3AVerification	20.83	20.83	-0.0001	28.86	21.91	39143
NCL2930	F3AVerification	19.55	17.24	0.0003	147.57	143.90	2980
NCL2950	F3AVerification	19.53	17.38	0.0001	142.31	137.70	5715
NCL2970	F3AVerification	20.49	20.22	0.0001	32.63	31.59	3116
NCL2990	F3AVerification	19.33	17.45	0.0001	108.29	102.28	5906
NCL3010	F3AVerification	19.35	17.47	0.0001	97.47	81.04	5986
NCL3030	F3AVerification	19.58	17.47	0.0001	88.42	70.54	6659
NCL3050	F3AVerification	19.94	18.83	0.0001	43.37	42.92	1667
NCL3070	F3AVerification	20.14	19.87	0.0000	24.15	23.07	5977
NCL3090	F3AVerification	19.59	17.44	0.0001	83.89	84.01	6314
NCL3110	F3AVerification	19.59	18.68	0.0002	41.29	35.54	22512
NCL3130	F3AVerification	19.59	18.72	-0.0001	15.42	17.23	2464
NCL3150	F3AVerification	19.54	17.11	0.0002	127.44	127.47	5789

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	n						
NCL3170	F3AVerification	19.71	18.55	0.0001	45.86	44.31	2318
NCL3190	F3AVerification	20.31	19.68	-0.0001	40.47	38.07	25525
NCL3210	F3AVerification	20.32	19.88	-0.0001	26.77	26.39	19218
NCL3230	F3AVerification	20.32	19.95	-0.0001	8.59	10.51	3732
NCL3250	F3AVerification	19.11	14.73	0.0001	169.91	169.78	5874
NCL3250A	F3AVerification	0.00	15.94	0.0001	127.47	127.53	2677
NCL3270	F3AVerification	19.11	16.53	0.0000	27.53	27.46	1736
NCL3280	F3AVerification	0.00	16.84	0.0000	25.42	25.38	999
NCL3290	F3AVerification	20.16	18.03	0.0000	21.40	21.41	1666
NCL3300	F3AVerification	0.00	18.19	0.0000	2.68	2.38	737
NCL3310	F3AVerification	20.19	18.05	0.0000	1.18	1.46	750
NCL3330	F3AVerification	20.75	18.34	0.0000	2.12	2.08	437
NCL3350	F3AVerification	20.51	19.64	-0.0001	16.11	13.72	3710
NCL3360	F3AVerification	0.00	20.20	0.0000	3.92	3.14	4372
NCL3365	F3AVerification	0.00	19.98	-0.0001	6.79	5.88	9650
NCL3370	F3AVerification	20.64	20.55	-0.0003	22.29	13.68	62302
NCL3390	F3AVerification	20.83	20.83	-0.0001	23.09	20.24	33603
NCL3410	F3AVerification	20.83	20.83	-0.0001	2.90	3.29	477
NCL3430	F3AVerification	20.83	20.83	0.0000	3.32	1.65	3170
NCL3450	F3AVerification	18.92	13.51	0.0000	186.50	185.40	6343
NCL3470	F3AVerification	19.11	13.54	0.0000	93.73	92.40	4769
NCL3471	F3AVerification	0.00	13.37	0.0000	86.41	85.32	5436
NCL3490	F3AVerification	19.15	13.96	0.0000	71.29	70.91	2745

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NCL3510	F3AVerification	20.64	17.00	0.0000	64.57	64.56	2861
NCL3520	F3AVerification	0.00	19.15	-0.0001	34.51	34.50	10985
NCL3530	F3AVerification	20.66	20.04	-0.0001	61.04	52.98	30752
NCL3550	F3AVerification	20.66	20.05	-0.0001	3.39	5.82	736
NCL3570	F3AVerification	20.66	20.04	-0.0001	2.09	3.12	628
NCL3590	F3AVerification	20.66	20.03	0.0000	1.40	1.07	3920
NCL3610	F3AVerification	20.66	20.05	-0.0001	41.85	42.19	1320
NCL3630	F3AVerification	20.64	20.07	-0.0001	78.20	57.17	81550
NCL3635	F3AVerification	0.00	20.07	-0.0001	22.24	24.70	1917
NCL3640	F3AVerification	0.00	20.08	-0.0001	6.85	6.22	4628
NCL3650	F3AVerification	18.92	15.16	0.0000	1.76	1.76	501
NCL3670	F3AVerification	18.92	17.56	0.0000	6.31	6.17	436
NCL3690	F3AVerification	18.92	13.19	0.0000	76.53	76.20	3204
NCL3730	F3AVerification	18.92	12.91	0.0000	277.25	251.66	84834
NCL3740	F3AVerification	0.00	13.25	0.0000	196.14	195.13	4692
NCL3750	F3AVerification	18.93	17.99	-0.0012	94.29	88.96	89352
NCL3770	F3AVerification	18.93	18.00	-0.0006	24.70	32.03	46294
NCL4000	F3AVerification	0.00	29.68	0.0000	25.33	25.30	4960
NCL4010	F3AVerification	0.00	29.37	0.0000	19.53	19.33	12512
NCypEast	F3AVerification	32.00	29.00	0.0000	5.47	0.00	0
NCypWest	F3AVerification	32.00	29.93	0.0000	0.00	0.00	0
NOC0010	F3AVerification	2.00	2.00	0.0000	334.23	0.00	0
NOC0030	F3AVerification	1.14	2.16	0.0045	334.41	334.23	504
NOC0050	F3AVerification	1.20	2.26	0.0038	307.43	307.58	530

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	n						
NOC0070	F3AVerification	1.45	2.65	0.0011	300.99	300.55	516
NOC0090	F3AVerification	2.91	2.88	0.0002	121.93	122.01	446
NOC0110	F3AVerification	1.65	2.69	0.0011	168.33	168.79	455
NOC0130	F3AVerification	3.06	2.98	0.0004	168.34	168.33	528
NOC0150	F3AVerification	3.08	2.98	0.0000	1.83	1.85	497
NOC0170	F3AVerification	4.56	4.67	0.0000	7.75	7.75	1211
NOC0190	F3AVerification	5.09	3.43	-0.0001	166.69	166.51	1077
NOC0210	F3AVerification	5.68	3.85	0.0000	15.36	15.24	781
NOC0230	F3AVerification	5.12	3.45	0.0000	5.07	5.29	742
NOC0250	F3AVerification	5.30	3.59	0.0000	5.05	5.07	984
NOC0270	F3AVerification	5.57	3.79	0.0000	2.84	2.75	676
NOC0290	F3AVerification	5.11	3.49	-0.0001	169.98	170.09	1836
NOC0310	F3AVerification	5.27	3.57	-0.0001	33.78	33.88	450
NOC0330	F3AVerification	5.85	3.63	0.0001	136.38	136.34	2431
NOC0350	F3AVerification	5.89	3.81	-0.0001	111.07	110.98	1837
NOC0370	F3AVerification	6.47	4.81	0.0001	62.18	62.08	2022
NOC0390	F3AVerification	6.60	4.91	-0.0001	39.18	39.56	2171
NOC0410	F3AVerification	6.95	5.16	0.0000	33.07	33.66	2496
NOC0430	F3AVerification	7.01	5.27	0.0000	22.77	23.94	1762
NOC0450	F3AVerification	7.62	5.37	0.0000	15.58	17.85	2439
NOC0470	F3AVerification	8.12	5.63	0.0001	8.65	9.53	726
NOC0490	F3AVerification	7.67	5.42	0.0000	2.28	2.84	1038
NRU0010	F3AVerification	2.00	2.00	0.0000	444.36	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0030	F3AVerification	2.84	2.29	-0.0002	185.17	200.61	2468
NRU0050	F3AVerification	4.36	3.35	0.0002	196.41	185.17	2036
NRU0070	F3AVerification	5.61	3.77	0.0002	212.34	196.41	2549
NRU0090	F3AVerification	5.66	4.12	0.0000	33.99	33.61	700
NRU0110	F3AVerification	6.23	4.05	-0.0001	176.47	183.23	5430
NRU0130	F3AVerification	7.66	4.36	-0.0002	137.51	164.99	2616
NRU0150	F3AVerification	7.71	4.37	0.0001	130.40	131.07	496
NRU0160	F3AVerification	0.00	12.20	0.0000	130.65	130.40	4960
NRU0165	F3AVerification	0.00	12.71	0.0000	2.66	2.64	474
NRU0170	F3AVerification	14.45	13.44	-0.0001	128.46	128.32	1442
NRU0172	F3AVerification	0.00	13.56	0.0000	8.34	8.49	863
NRU0174	F3AVerification	0.00	13.81	0.0000	8.13	8.34	806
NRU0176	F3AVerification	0.00	14.57	0.0000	8.06	8.13	764
NRU0178	F3AVerification	0.00	15.50	-0.0001	8.47	8.06	966
NRU0180	F3AVerification	0.00	15.96	-0.0001	24.04	9.97	63642
NRU0190	F3AVerification	14.45	13.90	-0.0003	17.82	20.82	516
NRU0210	F3AVerification	14.45	14.27	0.0000	15.58	14.90	602
NRU0230	F3AVerification	13.39	14.81	-0.0001	10.51	9.12	10388
NRU0250	F3AVerification	14.62	13.94	0.0001	96.93	96.75	1516
NRU0270	F3AVerification	15.05	14.54	0.0001	85.65	85.66	2624
NRU0290	F3AVerification	16.30	14.98	-0.0002	12.01	15.20	623
NRU0310	F3AVerification	16.13	15.01	0.0001	69.08	69.36	2502
NRU0330	F3AVerification	18.25	16.05	0.0000	27.64	29.15	1352
NRU0335	F3AVerification	0.00	17.35	0.0000	4.70	4.76	861

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	n						
NRU0340	F3AVerification	0.00	16.96	0.0000	25.08	26.04	1263
NRU0343	F3AVerification	0.00	18.62	-0.0001	11.98	11.45	920
NRU0345	F3AVerification	0.00	19.19	-0.0001	17.75	11.98	32110
NRU0350	F3AVerification	19.50	17.01	0.0000	7.92	8.78	977
NRU0370	F3AVerification	19.51	17.02	0.0000	8.37	7.22	896
NRU0380	F3AVerification	23.33	17.02	0.0000	1.23	0.82	470
NRU0390	F3AVerification	27.00	17.37	-0.0002	7.98	7.90	1101
NRU0410	F3AVerification	19.56	17.02	0.0000	6.37	5.22	1095
NRU0425	F3AVerification	15.53	14.56	0.0000	2.16	1.60	1472
NRU0430	F3AVerification	19.61	17.02	0.0000	5.22	3.70	1070
NRU0450	F3AVerification	19.66	17.02	0.0000	3.70	2.72	1043
NRU0470	F3AVerification	19.72	17.03	0.0001	2.27	1.86	783
NRU0490	F3AVerification	20.36	17.03	-0.0001	1.48	1.25	532
NRU0495	F3AVerification	0.00	10.41	0.0000	434.29	434.75	2716
NRU0500	F3AVerification	0.00	10.69	0.0000	433.50	433.12	5646
NRU0510	F3AVerification	19.67	14.39	0.0000	8.89	9.27	567
NRU0530	F3AVerification	16.95	15.48	0.0001	40.97	40.89	2250
NRU0550	F3AVerification	17.92	15.97	0.0001	41.31	40.97	1777
NRU0570	F3AVerification	18.16	16.02	0.0001	28.03	28.72	1524
NRU0590	F3AVerification	18.51	16.07	0.0001	25.89	26.43	1745
NRU0610	F3AVerification	18.78	16.09	0.0001	24.26	25.17	2526
NRU0612	F3AVerification	0.00	16.07	0.0001	27.70	28.22	1555
NRU0615	F3AVerification	0.00	17.22	0.0001	10.29	9.01	2210

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU0616	F3AVerification	0.00	17.27	0.0000	1.93	1.73	493
NRU0618	F3AVerification	0.00	16.98	0.0000	6.50	5.78	923
NRU0620	F3AVerification	0.00	19.20	0.0000	10.51	10.29	1516
NRU0630	F3AVerification	18.79	15.91	0.0001	33.79	34.32	2175
NRU0650	F3AVerification	18.79	15.81	0.0001	45.52	45.57	1810
NRU0670	F3AVerification	18.78	15.72	0.0001	45.57	46.08	1429
NRU0690	F3AVerification	18.84	15.57	0.0001	52.92	53.41	1934
NRU0710	F3AVerification	18.86	15.39	0.0001	79.46	79.40	2312
NRU0730	F3AVerification	18.85	16.67	-0.0001	17.67	20.28	612
NRU0740	F3AVerification	0.00	14.90	0.0001	83.79	83.73	2800
NRU0745	F3AVerification	0.00	14.28	0.0001	87.04	87.55	3772
NRU0747	F3AVerification	18.87	13.14	0.0001	87.55	86.21	1657
NRU0750	F3AVerification	18.87	12.83	0.0000	105.12	104.39	1288
NRU0770	F3AVerification	18.88	12.80	0.0000	7.89	7.85	1009
NRU0785	F3AVerification	0.00	12.70	0.0000	11.03	10.95	830
NRU0790	F3AVerification	18.88	12.56	0.0001	340.17	342.27	8788
NRU0810	F3AVerification	18.88	12.55	0.0000	1.56	0.43	744
NRU0820	F3AVerification	0.00	15.74	0.0000	0.00	0.00	436
NRU0830	F3AVerification	18.99	12.76	0.0001	332.70	333.73	4681
NRU0840	F3AVerification	9999.00	12.84	0.0001	271.33	271.65	2258
NRU0850	F3AVerification	19.11	12.86	0.0001	46.49	41.17	2553
NRU0870	F3AVerification	19.32	12.89	0.0000	3.81	3.92	560
NRU0890	F3AVerification	19.35	16.22	0.0000	16.09	3.81	54693
NRU0910	F3AVerification	19.35	17.05	0.0000	0.73	0.70	579

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
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NRU0930	F3AVerification	19.35	19.37	0.0000	0.86	0.73	1742
NRU0950	F3AVerification	19.11	12.88	-0.0001	50.14	46.49	1381
NRU0955	F3AVerification	0.00	12.88	0.0001	47.62	43.08	2070
NRU0960	F3AVerification	0.00	12.89	0.0001	45.09	43.05	3512
NRU0965	F3AVerification	0.00	12.89	0.0001	43.62	43.09	4631
NRU0970	F3AVerification	19.34	13.34	0.0000	4.52	5.29	1402
NRU0980	F3AVerification	0.00	13.34	0.0000	1.29	1.50	1083
NRU0990	F3AVerification	19.39	16.23	-0.0001	9.90	9.77	440
NRU1010	F3AVerification	19.70	16.23	0.0000	10.04	9.90	463
NRU1015	F3AVerification	0.00	16.32	0.0001	3.85	3.73	696
NRU1020	F3AVerification	0.00	16.75	-0.0060	7.52	6.90	866
NRU1025	F3AVerification	0.00	16.36	0.0000	2.40	2.41	724
NRU1030	F3AVerification	19.70	12.94	0.0000	32.48	32.59	2310
NRU1035	F3AVerification	0.00	16.91	0.0000	0.00	0.00	436
NRU1036	F3AVerification	0.00	16.23	0.0000	1.99	1.80	437
NRU1037	F3AVerification	0.00	16.52	0.0000	0.00	0.00	436
NRU1040	F3AVerification	0.00	16.23	0.0001	5.02	4.87	454
NRU1045	F3AVerification	0.00	16.97	0.0000	5.72	5.70	662
NRU1046	F3AVerification	0.00	16.75	0.0060	5.70	5.02	972
NRU1050	F3AVerification	19.70	13.01	0.0000	24.26	24.14	1688
NRU1070	F3AVerification	19.83	16.15	0.0000	8.94	8.88	1787
NRU1090	F3AVerification	18.86	12.63	0.0000	104.30	103.42	1336
NRU1110	F3AVerification	18.86	12.46	0.0001	127.61	119.16	1816

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1130	F3AVerification	18.86	12.59	-0.0002	16.53	21.73	776
NRU1150	F3AVerification	18.86	12.77	0.0000	16.62	16.53	964
NRU1170	F3AVerification	18.86	15.95	0.0000	13.49	13.14	1318
NRU1182	F3AVerification	0.00	14.47	0.0000	8.99	8.72	1156
NRU1184	F3AVerification	0.00	14.72	0.0000	8.58	8.23	873
NRU1185	F3AVerification	0.00	15.75	0.0000	5.00	5.90	661
NRU1186	F3AVerification	0.00	14.83	0.0000	4.31	3.85	791
NRU1188	F3AVerification	0.00	17.36	0.0000	2.04	0.00	16284
NRU1190	F3AVerification	18.86	15.60	0.0000	4.94	4.65	576
NRU1210	F3AVerification	18.86	15.44	0.0000	4.65	4.31	720
NRU1220	F3AVerification	0.00	13.49	0.0000	11.71	11.16	2046
NRU1225	F3AVerification	0.00	19.71	0.0000	1.61	1.57	436
NRU1230	F3AVerification	18.88	12.28	0.0001	420.25	413.10	4567
NRU1232	F3AVerification	0.00	12.05	0.0001	418.65	418.30	3681
NRU1234	F3AVerification	0.00	14.19	0.0000	0.21	0.19	445
NRU1240	F3AVerification	0.00	15.50	0.0000	2.28	2.26	452
NRU1250	F3AVerification	4.07	3.98	-0.0002	243.79	243.77	2104
NRU1270	F3AVerification	4.78	4.57	0.0001	242.43	242.39	1667
NRU1290	F3AVerification	5.41	5.10	0.0000	237.48	237.41	3103
NRU1310	F3AVerification	6.42	5.85	0.0000	237.94	237.48	5053
NRU1330	F3AVerification	8.29	7.40	0.0000	238.52	238.05	3357
NRU1350	F3AVerification	9.32	8.48	0.0000	236.28	236.23	2409
NRU1370	F3AVerification	11.03	9.64	0.0000	233.56	233.54	5323
NRU1390	F3AVerification	11.84	10.13	0.0000	34.96	34.19	1333

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
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NRU1410	F3AVerification	12.56	10.69	0.0000	199.40	199.97	7523
NRU1430	F3AVerification	15.53	14.56	0.0000	24.93	23.82	3371
NRU1450	F3AVerification	15.94	14.81	0.0000	12.68	12.51	1021
NRU1470	F3AVerification	15.97	14.82	0.0000	3.03	4.26	981
NRU1490	F3AVerification	16.09	14.86	0.0000	3.03	3.03	770
NRU1510	F3AVerification	15.12	12.55	0.0000	140.76	140.79	10565
NRU1530	F3AVerification	15.71	14.61	0.0000	74.73	75.28	2444
NRU1550	F3AVerification	15.40	14.91	0.0000	52.73	51.43	1677
NRU1570	F3AVerification	16.20	15.71	0.0000	47.47	45.39	1398
NRU1590	F3AVerification	16.40	15.78	0.0000	4.43	3.92	1284
NRU1610	F3AVerification	16.56	16.16	0.0000	41.48	40.19	1573
NRU1630	F3AVerification	16.69	16.41	0.0000	28.80	26.72	1538
NRU1650	F3AVerification	16.84	16.60	0.0001	31.03	28.80	1066
NRU1670	F3AVerification	16.89	16.65	0.0001	33.84	28.06	56196
NRU1690	F3AVerification	16.89	16.64	0.0001	30.11	29.69	2559
NRU1710	F3AVerification	16.60	16.22	0.0000	28.84	28.70	1425
NRU1730	F3AVerification	16.58	15.74	0.0000	60.43	19.89	91988
NRU1750	F3AVerification	16.58	15.75	-0.0002	17.36	17.09	720
NRU1770	F3AVerification	16.58	15.95	0.0000	18.55	18.62	1090
NRU1790	F3AVerification	17.21	16.44	0.0000	4.99	4.83	753
NRU1810	F3AVerification	16.58	15.75	0.0000	3.67	3.66	5786
NRU1830	F3AVerification	17.12	16.39	0.0000	12.06	11.91	602
NRU1850	F3AVerification	17.07	16.78	0.0001	20.18	20.00	972

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NRU1870	F3AVerification	17.20	16.87	0.0001	20.44	20.18	908
NRU1890	F3AVerification	17.38	16.99	0.0001	27.73	20.44	9102
NRU1910	F3AVerification	17.71	17.36	0.0001	11.31	10.71	1683
NRU1930	F3AVerification	15.71	14.64	0.0000	44.92	45.29	1637
NRU1950	F3AVerification	16.43	15.06	0.0000	43.27	43.46	1646
NRU1970	F3AVerification	16.86	15.33	0.0000	43.14	43.27	1037
NRU1990	F3AVerification	17.09	15.47	0.0000	43.03	43.14	1720
NRU2010	F3AVerification	18.02	16.14	0.0000	9.47	9.31	1505
NRU2030	F3AVerification	18.39	16.45	0.0001	7.64	6.42	681
NRU2050	F3AVerification	18.40	16.46	0.0000	2.44	2.98	453
NRU2070	F3AVerification	18.41	17.71	0.0000	2.45	2.44	436
NRU2090	F3AVerification	17.16	15.52	0.0000	31.56	31.73	983
NRU2110	F3AVerification	17.28	15.61	0.0000	30.54	30.63	1563
NRU2130	F3AVerification	17.49	15.80	0.0000	29.78	29.87	1852
NRU2150	F3AVerification	17.69	16.12	0.0000	4.73	4.64	1045
NRU2170	F3AVerification	17.07	16.33	0.0000	1.74	2.15	772
NRU2190	F3AVerification	17.08	16.40	0.0000	5.27	1.74	25700
NRU2210	F3AVerification	17.33	15.80	0.0001	3.18	2.61	538
NRU2230	F3AVerification	17.33	15.91	0.0000	10.60	0.68	73694
NRU2250	F3AVerification	17.31	15.91	0.0000	1.86	1.79	4620
NRU2270	F3AVerification	17.61	15.86	0.0000	24.10	24.14	1283
NRU2290	F3AVerification	17.67	15.90	0.0000	18.44	18.65	1150
NRU2310	F3AVerification	17.68	15.91	0.0000	13.16	13.53	1271
NRU2330	F3AVerification	17.68	15.93	0.0001	13.58	6.67	757

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
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NRU2350	F3AVerification	17.68	15.93	-0.0001	2.74	10.91	654
NRU2370	F3AVerification	17.37	16.16	0.0000	2.77	2.74	528
NRU2390	F3AVerification	17.36	16.39	0.0000	3.98	2.77	28662
NRU2410	F3AVerification	17.72	15.94	0.0000	5.52	5.79	1099
NRU2430	F3AVerification	17.83	15.95	0.0000	4.67	4.94	925
NRU2450	F3AVerification	18.06	15.96	0.0000	1.92	1.03	588
NRU2470	F3AVerification	15.72	14.61	0.0000	6.40	3.14	1458
NRU2490	F3AVerification	15.75	14.61	0.0000	3.80	1.56	1419
NRU2510	F3AVerification	15.75	14.44	0.0000	1.11	0.57	923
NRU2530	F3AVerification	15.76	14.44	0.0000	0.57	0.13	568
NRU2550	F3AVerification	16.53	13.19	0.0000	49.99	49.05	2428
NRU2570	F3AVerification	17.71	14.38	0.0000	43.41	42.19	1979
NRU2590	F3AVerification	18.30	15.46	0.0000	32.23	30.98	1450
NRU2610	F3AVerification	18.62	16.16	0.0000	32.14	30.81	1170
NRU2630	F3AVerification	19.41	17.22	-0.0001	23.24	21.75	1128
NRU2650	F3AVerification	19.54	18.06	-0.0001	11.78	10.11	932
NRU2670	F3AVerification	16.64	15.78	0.0000	21.34	21.58	2044
NRU2690	F3AVerification	17.09	16.59	-0.0002	78.95	72.35	105739
NSH02	F3AVerification	0.00	17.96	0.0000	5.78	5.64	436
NSH03	F3AVerification	0.00	18.00	-0.0227	0.51	12.94	767
NSH04	F3AVerification	0.00	13.34	0.0000	21.94	20.18	4582
NSH05	F3AVerification	0.00	6.93	-0.0001	442.65	442.63	5036
NSH07	F3AVerification	0.00	3.72	-0.0001	9.66	9.49	623

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSH08	F3AVerification	0.00	6.96	0.0000	8.20	8.04	1490
NSH09	F3AVerification	0.00	7.05	0.0001	15.12	13.37	8322
NSH10	F3AVerification	0.00	18.95	0.0000	6.27	5.48	23179
NSH11	F3AVerification	0.00	20.99	0.0000	3.26	2.96	5750
NSH12	F3AVerification	0.00	5.92	0.0000	444.30	444.26	4094
NSH13	F3AVerification	0.00	5.06	0.0010	448.05	503.52	4602
NSH14	F3AVerification	0.00	5.04	-0.0011	557.29	519.52	1911
NSH15	F3AVerification	0.00	18.64	0.0000	1.95	1.77	5837
NSH16	F3AVerification	0.00	7.25	0.0000	20.84	20.84	100
NSH17	F3AVerification	0.00	5.03	-0.0011	519.71	532.81	2161
NSH18	F3AVerification	0.00	5.01	-0.0007	553.00	463.52	3004
NSH19	F3AVerification	0.00	4.40	-0.0001	464.51	464.36	5396
NSH20	F3AVerification	0.00	20.13	0.0000	1.39	0.95	9795
NSH21	F3AVerification	0.00	8.95	0.0000	5.63	6.16	587
NSH22	F3AVerification	0.00	11.04	0.0000	16.10	14.12	2537
NSH23	F3AVerification	0.00	18.07	0.0000	4.38	4.35	2401
NSH24	F3AVerification	0.00	11.21	0.0000	7.72	5.39	2413
NSH25	F3AVerification	0.00	11.21	-0.0001	8.43	11.87	672
NSH26	F3AVerification	0.00	10.40	0.0001	22.26	19.35	1296
NSH26A	F3AVerification	0.00	10.30	0.0000	21.57	20.84	2061
NSH27	F3AVerification	0.00	10.68	0.0000	3.37	2.63	2614
NSH27A	F3AVerification	0.00	9.59	0.0000	13.99	14.16	921
NSH27AA	F3AVerification	0.00	10.53	0.0000	2.63	2.61	558
NSH27B	F3AVerification	0.00	8.57	-0.0001	14.16	18.44	1032

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
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NSH27C	F3AVerification	0.00	7.18	0.0001	18.44	13.35	1037
NSH28	F3AVerification	0.00	8.38	0.0000	6.62	6.05	6021
NSH29	F3AVerification	0.00	7.43	-0.0001	5.97	11.85	648
NSH31	F3AVerification	0.00	8.06	0.0000	6.05	4.94	480
NSH33	F3AVerification	0.00	16.52	0.0000	1.14	1.10	3210
NSH34	F3AVerification	0.00	7.80	0.0000	15.63	15.61	773
NSH35	F3AVerification	0.00	6.34	0.0001	7.07	7.67	548
NSH36	F3AVerification	0.00	6.32	-0.0001	18.65	18.54	805
NSH37	F3AVerification	0.00	5.05	-0.0014	505.13	557.07	1881
NSH41	F3AVerification	0.00	14.10	0.0000	1.85	1.83	464
NSH42	F3AVerification	0.00	2.63	-0.0001	30.55	30.55	447
NSH43	F3AVerification	0.00	2.98	0.0001	30.41	30.41	507
NSH44	F3AVerification	0.00	6.64	0.0000	6.14	6.09	670
NSH45	F3AVerification	0.00	16.08	0.0000	8.85	8.58	19106
NSH48	F3AVerification	0.00	18.10	0.0000	5.65	5.61	2402
NSH49	F3AVerification	0.00	16.53	0.0000	5.98	5.91	473
NSH50	F3AVerification	0.00	11.34	0.0000	420.70	420.04	6021
NSH51	F3AVerification	0.00	15.74	0.0000	12.16	12.06	1329
NSH52	F3AVerification	0.00	11.50	0.0000	420.09	419.54	4410
NSH53	F3AVerification	0.00	14.10	0.0000	16.04	15.92	1022
NSH53B	F3AVerification	0.00	11.50	0.0001	3.12	0.79	448
NSH54	F3AVerification	0.00	13.59	0.0000	17.44	17.14	1245
NSH55	F3AVerification	0.00	11.92	0.0001	419.72	419.20	5311

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSH55B	F3AVerification	0.00	13.55	0.0000	3.60	3.57	447
NSH56	F3AVerification	0.00	13.62	0.0000	1.94	1.91	464
NSH57	F3AVerification	0.00	13.92	0.0000	1.98	1.94	462
NSH60	F3AVerification	0.00	17.43	0.0000	6.17	6.15	436
NSH61	F3AVerification	0.00	13.76	0.0000	0.49	0.48	448
NSH65	F3AVerification	0.00	18.86	0.0000	1.12	1.10	436
NSH71	F3AVerification	9999.00	14.51	0.0000	4.98	4.95	2322
NSH75	F3AVerification	0.00	3.80	-0.0006	469.06	469.01	4064
NSH76	F3AVerification	0.00	3.01	-0.0028	438.73	438.74	2030
NSH80	F3AVerification	0.00	11.03	0.0000	425.77	425.32	6657
NSH81	F3AVerification	0.00	19.61	0.0000	0.13	0.00	926
NSH82	F3AVerification	0.00	19.79	0.0000	0.78	0.00	3940
NSH83	F3AVerification	0.00	11.32	-0.0001	5.27	6.80	449
NSH85	F3AVerification	0.00	10.93	0.0000	427.18	427.00	4681
NSHSelmonDS	F3AVerification	9999.00	8.80	-0.0001	451.00	441.78	6356
NSHSelmonUS	F3AVerification	9999.00	9.84	0.0003	434.76	443.48	3189
NSR0000	F3AVerification	2.00	2.00	0.0000	247.93	0.00	0
NSR0005	F3AVerification	2.00	2.00	0.0000	3.42	0.00	0
NSR0010	F3AVerification	2.00	2.00	0.0000	279.37	0.00	0
NSR0030	F3AVerification	2.92	2.80	0.0000	294.96	279.37	214591
NSR0032	F3AVerification	4.88	4.74	0.0000	6.06	1.94	14997
NSR0034	F3AVerification	3.63	3.45	0.0000	29.46	29.01	7520
NSR0050	F3AVerification	3.44	3.24	0.0000	279.27	269.91	80984
NSR0070	F3AVerification	3.45	3.29	0.0000	20.68	20.02	12675

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
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NSR0090	F3AVerification	3.68	3.48	0.0000	17.48	16.79	5161
NSR0100	F3AVerification	2.25	2.18	0.0000	3.43	3.42	524
NSR0102	F3AVerification	4.24	4.21	0.0000	2.51	2.32	2188
NSR0105	F3AVerification	1.91	2.62	-0.0029	247.99	247.93	484
NSR0110	F3AVerification	3.93	3.55	0.0000	9.60	9.41	448
NSR0112	F3AVerification	2.31	2.90	0.0031	246.43	246.43	457
NSR0115	F3AVerification	4.25	4.24	0.0000	1.24	1.06	5989
NSR0120	F3AVerification	2.62	3.12	-0.0014	243.76	243.81	479
NSR0130	F3AVerification	4.16	3.71	0.0000	5.34	5.13	445
NSR0135	F3AVerification	4.22	3.76	0.0000	1.97	1.70	438
NSR0140	F3AVerification	3.28	3.58	-0.0003	240.72	240.72	477
NSR0150	F3AVerification	3.64	3.39	-0.0001	259.45	255.99	27929
NSR0160	F3AVerification	3.56	3.77	0.0002	238.40	238.48	1378
NSR0165	F3AVerification	4.03	3.49	0.0000	1.70	1.46	440
NSR0170	F3AVerification	3.70	3.41	0.0000	3.06	2.22	1748
NSR0180	F3AVerification	3.83	3.71	0.0000	3.59	3.15	1772
NSR0190	F3AVerification	4.04	3.40	0.0000	12.24	12.03	1297
NSR0210	F3AVerification	4.26	3.40	0.0000	11.00	10.57	1312
NSR0230	F3AVerification	4.26	3.41	0.0000	10.97	8.76	5290
NSR0250	F3AVerification	3.93	3.64	-0.0025	251.11	249.83	12764
NSR0270	F3AVerification	3.98	3.68	0.0000	21.75	21.27	5010
NSR0280	F3AVerification	5.41	5.24	0.0001	196.95	196.41	923
NSR0281	F3AVerification	5.97	5.74	0.0004	197.18	190.75	4724

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0290	F3AVerification	6.70	5.67	-0.0002	51.61	51.49	2469
NSR0310	F3AVerification	9.28	8.92	0.0000	44.74	43.00	6806
NSR0330	F3AVerification	9.65	9.14	0.0001	5.73	6.15	470
NSR0350	F3AVerification	10.32	9.58	0.0001	6.22	5.73	446
NSR0370	F3AVerification	10.35	10.09	0.0000	6.25	6.22	4744
NSR0390	F3AVerification	11.96	10.27	0.0000	17.25	17.28	2145
NSR0410	F3AVerification	12.27	10.56	0.0001	3.53	4.42	510
NSR0430	F3AVerification	12.28	12.00	0.0000	5.17	3.53	14808
NSR0450	F3AVerification	13.04	10.73	0.0000	11.35	10.62	1269
NSR0470	F3AVerification	13.10	10.75	0.0000	6.37	5.81	1156
NSR0490	F3AVerification	4.41	4.22	-0.0035	103.28	101.74	12929
NSR0510	F3AVerification	4.48	4.35	-0.0004	45.63	45.40	7389
NSR0530	F3AVerification	4.55	4.38	0.0000	5.75	5.50	437
NSR0540	F3AVerification	4.55	4.46	-0.0001	46.84	40.46	34027
NSR0550	F3AVerification	4.56	4.48	0.0001	272.76	272.74	4785
NSR0560	F3AVerification	4.66	4.57	0.0001	83.31	87.90	36968
NSR0570	F3AVerification	5.28	5.16	0.0001	77.84	80.45	28454
NSR0580	F3AVerification	6.13	5.95	-0.0001	11.46	7.23	43150
NSR0590	F3AVerification	6.15	5.89	-0.0001	76.62	74.87	24037
NSR0610	F3AVerification	6.26	5.94	0.0000	17.73	18.35	32206
NSR0630	F3AVerification	6.26	5.94	0.0000	17.44	17.55	475
NSR0650	F3AVerification	6.25	5.93	-0.0001	19.49	17.44	98599
NSR0660	F3AVerification	6.13	4.61	0.0000	4.10	3.87	519
NSR0670	F3AVerification	6.24	5.93	0.0000	7.68	8.79	520

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
	n						
NSR0680	F3AVerification	6.14	5.93	-0.0001	9.84	6.82	62560
NSR0690	F3AVerification	6.24	5.93	0.0000	6.95	7.68	599
NSR0710	F3AVerification	6.23	5.92	0.0000	6.82	6.95	861
NSR0730	F3AVerification	6.29	6.13	-0.0001	101.03	76.50	115148
NSR0770	F3AVerification	6.81	6.58	0.0002	81.95	80.79	3234
NSR0780	F3AVerification	6.74	6.67	-0.0001	6.00	4.96	9208
NSR0790	F3AVerification	8.35	7.92	-0.0003	280.26	260.82	23186
NSR0791	F3AVerification	7.13	6.80	-0.0002	187.42	189.86	5596
NSR0809	F3AVerification	12.76	9.85	-0.0004	68.88	94.17	2127
NSR0810	F3AVerification	13.45	13.30	-0.0003	103.76	102.73	59879
NSR0830	F3AVerification	15.10	15.02	-0.0002	103.56	97.11	96395
NSR0840	F3AVerification	16.09	16.00	0.0000	9.47	10.03	28704
NSR0850	F3AVerification	15.64	15.55	-0.0002	70.88	65.81	61517
NSR0860	F3AVerification	16.41	16.38	0.0000	4.87	4.85	5486
NSR0869	F3AVerification	16.03	16.00	0.0001	30.07	29.92	1505
NSR0870	F3AVerification	16.24	16.25	0.0001	54.23	54.21	25594
NSR0880	F3AVerification	16.24	16.26	0.0000	17.18	16.84	8757
NSR0881	F3AVerification	14.14	14.28	0.0004	234.66	221.32	13396
NSR0890	F3AVerification	4.02	3.74	-0.0394	234.89	229.86	27331
NSR0910	F3AVerification	4.79	4.33	0.0013	145.48	145.16	5937
NSR0930	F3AVerification	5.54	4.35	0.0000	26.52	12.97	59755
NSR0950	F3AVerification	5.63	5.11	0.0004	141.77	141.32	7636
NSR0970	F3AVerification	6.14	5.55	-0.0002	123.33	123.45	3616

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR0990	F3AVerification	6.27	5.66	-0.0001	126.90	126.88	3717
NSR1010	F3AVerification	6.30	5.71	0.0000	11.16	11.12	3946
NSR1030	F3AVerification	8.54	8.06	0.0000	117.75	116.07	8717
NSR1050	F3AVerification	8.56	8.06	0.0000	15.39	5.84	16221
NSR1070	F3AVerification	9.58	9.33	-0.0002	127.58	126.35	16425
NSR1090	F3AVerification	11.30	11.08	0.0002	112.42	112.76	6825
NSR1110	F3AVerification	11.57	11.55	0.0000	1.37	1.36	2834
NSR1130	F3AVerification	11.29	11.10	0.0000	12.38	12.08	10833
NSR1150	F3AVerification	11.39	11.09	0.0000	3.40	3.35	4792
NSR1170	F3AVerification	11.38	11.08	0.0000	3.35	3.26	451
NSR1190	F3AVerification	12.70	12.54	0.0000	109.73	109.48	11792
NSR1210	F3AVerification	12.70	12.54	0.0000	11.68	11.26	40271
NSR1230	F3AVerification	14.76	14.45	0.0000	109.85	109.63	9161
NSR1270	F3AVerification	14.99	14.70	0.0000	110.52	110.08	5906
NSR1290	F3AVerification	14.99	14.70	0.0000	5.83	2.68	12584
NSR1310	F3AVerification	14.99	14.70	0.0000	14.54	14.54	24763
NSR1330	F3AVerification	15.44	15.04	0.0000	113.81	109.46	19519
NSR1350	F3AVerification	15.45	15.06	0.0000	18.62	18.36	7515
NSR1370	F3AVerification	15.56	15.17	0.0000	105.47	98.82	19990
NSR1390	F3AVerification	15.56	15.17	0.0000	1.92	1.92	1606
NSR1410	F3AVerification	15.56	15.17	0.0002	22.73	20.67	2087
NSR1430	F3AVerification	15.76	15.45	0.0000	19.19	19.17	4085
NSR1450	F3AVerification	15.74	15.38	0.0000	21.06	17.44	45545
NSR1470	F3AVerification	15.96	15.75	0.0000	18.50	18.41	16457

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
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NSR1490	F3AVerification	16.21	16.05	0.0000	43.89	17.13	94550
NSR1510	F3AVerification	16.21	16.05	0.0000	27.46	17.99	26645
NSR1530	F3AVerification	15.56	15.17	0.0000	2.87	2.47	2340
NSR1550	F3AVerification	15.68	15.29	0.0000	108.77	93.52	31188
NSR1570	F3AVerification	15.68	15.29	-0.0001	2.01	1.69	1228
NSR1590	F3AVerification	15.68	15.29	0.0002	21.06	23.30	3342
NSR1610	F3AVerification	15.75	15.40	-0.0001	15.73	14.47	2498
NSR1630	F3AVerification	15.75	15.40	0.0000	90.10	79.56	18189
NSR1650	F3AVerification	16.39	17.06	0.0000	1.61	1.61	436
NSR1670	F3AVerification	15.92	15.62	-0.0001	15.63	14.79	2789
NSR1690	F3AVerification	16.24	15.82	0.0000	87.46	75.51	17196
NSR1710	F3AVerification	16.25	15.86	0.0000	4.14	3.73	471
NSR1730	F3AVerification	16.32	15.95	0.0000	86.43	83.01	8269
NSR1750	F3AVerification	16.68	16.66	0.0000	1.70	1.70	436
NSR1770	F3AVerification	17.23	17.24	0.0000	21.24	15.86	16021
NSR1790	F3AVerification	17.24	17.25	0.0000	22.22	16.18	27556
NSR1810	F3AVerification	17.25	17.26	-0.0001	9.85	8.61	10065
NSR1830	F3AVerification	17.25	17.26	-0.0001	29.81	24.20	61087
NSR1850	F3AVerification	16.95	16.99	-0.0001	7.29	8.07	13404
NSR1870	F3AVerification	16.93	16.98	0.0001	22.21	17.10	42971
NSR1890	F3AVerification	16.05	16.22	0.0000	13.32	13.57	1056
NSR1910	F3AVerification	15.45	15.69	0.0002	39.36	37.48	4816
NSR1930	F3AVerification	16.53	16.11	-0.0001	66.52	66.27	1839

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NSR1950	F3AVerification	16.70	16.28	0.0000	17.05	16.71	665
NSR1970	F3AVerification	16.84	16.44	0.0000	15.27	14.85	3399
NSR1990	F3AVerification	16.86	16.51	0.0000	7.25	6.43	949
NSR2010	F3AVerification	16.91	16.57	0.0000	8.48	7.25	7985
NSR2030	F3AVerification	16.90	16.57	0.0000	5.13	4.99	751
NSR2050	F3AVerification	16.88	16.57	0.0000	5.56	4.85	5600
NSR2070	F3AVerification	16.81	16.54	0.0000	4.30	4.41	781
NSR2090	F3AVerification	16.72	16.51	0.0000	4.66	4.30	673
NSR2110	F3AVerification	16.54	16.44	0.0000	8.31	7.74	11775
NSR2130	F3AVerification	16.50	16.43	0.0000	8.15	4.75	88473
NSR2150	F3AVerification	17.60	16.35	0.0000	44.10	41.74	42944
NSR2170	F3AVerification	17.62	16.58	0.0000	33.08	33.06	2088
NSR2190	F3AVerification	17.62	16.66	0.0000	33.10	33.08	967
NSR2210	F3AVerification	17.62	16.81	0.0000	26.86	22.71	42176
NSR2230	F3AVerification	17.62	16.73	0.0000	20.33	19.68	675
NSR2250	F3AVerification	17.63	16.80	0.0000	21.13	20.33	7143
NSR2270	F3AVerification	17.63	16.81	0.0000	21.44	19.96	12115
NSR2290	F3AVerification	17.63	16.84	0.0000	16.96	16.52	888
NSR2310	F3AVerification	17.63	16.87	0.0000	17.68	16.96	3520
NSR2330	F3AVerification	17.65	17.48	0.0000	15.79	12.96	14316
NSR2350	F3AVerification	17.65	17.48	0.0001	12.86	10.93	16227
NSR2370	F3AVerification	16.66	16.11	0.0000	14.77	12.57	9676
NSR2390	F3AVerification	18.07	17.88	0.0000	6.74	0.00	51654
NSR2410	F3AVerification	16.66	16.12	0.0000	23.59	14.77	15649

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
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NSR2430	F3AVerification	17.99	17.96	0.0000	1.51	1.49	2259
NSR2450	F3AVerification	18.06	18.00	0.0000	21.41	21.16	12148
NSR3000	F3AVerification	17.04	17.06	-0.0727	4.38	49.45	871
NSR3005	F3AVerification	17.02	17.04	0.1453	49.45	3.76	566
NSR3020	F3AVerification	17.61	17.67	-0.0001	21.29	20.56	59430
NSR3040	F3AVerification	16.25	16.27	0.0001	42.38	41.10	30315
NSR3060	F3AVerification	16.21	16.05	-0.0001	10.09	9.37	35941
NSW0010	F3AVerification	2.00	2.00	0.0000	16.36	0.00	0
NSW0030	F3AVerification	2.13	2.35	-0.0004	16.36	16.36	587
NSW0050	F3AVerification	4.04	3.07	0.0001	16.40	16.36	959
Outfall	F3AVerification	2.00	2.00	0.0000	28.81	0.00	0
Outfall_NE	F3AVerification	21.00	18.24	0.0001	8.14	0.00	0
PondA	F3AVerification	0.00	17.42	0.0294	12.94	4.98	24073
PondB	F3AVerification	0.00	12.50	0.0000	42.65	23.53	66546
SH_OUTFALL	F3AVerification	2.00	2.00	0.0000	523.10	1.83	0
STORAGE1	F3AVerification	0.00	18.33	0.0000	1.29	0.73	7405
STORAGE10	F3AVerification	0.00	18.86	0.0000	1.10	0.00	9148
STORAGE11	F3AVerification	0.00	17.96	0.0000	5.64	0.00	18648
STORAGE12	F3AVerification	0.00	16.75	0.0000	6.81	5.91	10262
STORAGE13	F3AVerification	0.00	16.91	0.0000	0.00	0.00	5323
STORAGE14	F3AVerification	0.00	19.71	0.0000	1.57	0.00	13395
STORAGE2	F3AVerification	0.00	17.56	0.0000	5.44	1.05	18426
STORAGE4	F3AVerification	0.00	16.89	0.0000	8.17	1.04	12088

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
STORAGE5	F3AVerification	0.00	20.71	0.0000	13.57	3.89	19571
STORAGE8	F3AVerification	0.00	14.94	0.0000	0.00	0.00	100
STORAGE9	F3AVerification	0.00	17.43	0.0000	6.15	0.20	11761
Sevilla1	F3AVerification	1.20	2.03	0.0000	0.02	0.02	804
Sevilla2	F3AVerification	1.23	2.01	0.0000	0.01	0.01	609
Sevilla3	F3AVerification	1.20	2.03	0.0000	0.06	0.05	1339
Sevilla4	F3AVerification	1.20	2.03	0.0000	0.10	0.08	1450
Shamrock2	F3AVerification	1.11	2.01	0.0001	28.86	28.81	5389
Shmrck1.1	F3AVerification	1.38	2.05	0.0001	28.75	28.77	6206
Shmrck1.2	F3AVerification	1.20	2.03	-0.0003	28.77	28.86	3971
THEA_JUNCT 1	F3AVerification	0.00	12.67	0.0000	16.03	15.91	667
THEA_JUNCT 2	F3AVerification	0.00	12.42	0.0000	15.91	15.89	501
THEA_Watrous	F3AVerification	0.00	13.04	0.0002	16.82	16.03	815
V3	F3AVerification	6.53	6.53	0.0000	0.00	0.00	436