

# ***THE BLUFFS AT YOUNGS CREEK***

## ***SECTION 5A***

***DRAINAGE REPORT***

***PROJECT NUMBER: 83540***

***PREPARED FOR:***

***WINDSTAR HOMES, LLC***

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***DATE PREPARED:***

*May 9, 2023*

# DRAINAGE REPORT

BLUFFS AT YOUNGS CREEK SECTION 5A

83540

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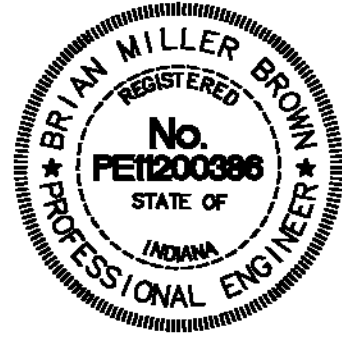
# ENGINEERING CERTIFICATION

BLUFFS AT YOUNGS CREEK

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DRAINAGE REPORT AND ANALYSIS

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A handwritten signature in brown ink, appearing to read "B. M. B.", written over a horizontal line.

Brian M Brown, PE, CFM  
Indiana Registration No. 11200386

I, Brian M Brown, certify that this drainage report and supporting calculations are in compliance with the requirements set forth by the City of Franklin Subdivision Control Ordinance.



STOEAND-01

KEADAMS

## CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

2/20/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Conner Insurance Inc. 8445 Keystone Crossing Suite 200 Indianapolis, IN 46240	<b>CONTACT NAME:</b>	
	<b>PHONE (A/C, No, Ext):</b> (317) 808-7711	<b>FAX (A/C, No):</b>
<b>INSURED</b>  Stoeppelwerth and Associates, Inc. and Sand Key Properties 7965 East 106th Street Fishers, IN 46038	<b>E-MAIL ADDRESS:</b>	
	<b>INSURER(S) AFFORDING COVERAGE</b>	
	<b>INSURER A:</b> National Fire Insurance Company of Hartford	
	<b>INSURER B:</b> Valley Forge Insurance Company	
	<b>INSURER C:</b> Continental Casualty Company	
	<b>INSURER D:</b>	
<b>INSURER E:</b>		
<b>INSURER F:</b>		

## COVERAGES

## CERTIFICATE NUMBER:

## REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:			6079062911	8/1/2022	8/1/2023	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 15,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			BUA6043009424	8/1/2022	8/1/2023	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			CUE6079062925	8/1/2022	8/1/2023	EACH OCCURRENCE \$ 2,000,000 AGGREGATE \$ 2,000,000
C	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input checked="" type="checkbox"/> Y / N If yes, describe under DESCRIPTION OF OPERATIONS below		N / A	WC 6 43009438	8/1/2022	8/1/2023	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A	Commercial Property			6079062911	8/1/2022	8/1/2023	Buildings 2,230,268
C	Professional Liabili			AEH008216301	1/28/2023	1/28/2024	Per Occ/Aggregate 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

## CERTIFICATE HOLDER

## CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

TO WHOM IT MAY CONCERN

ACORD 25 (2016/03)

05/09/2023

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# DRAINAGE NARRATIVE

## THE BLUFFS AT YOUNGS CREEK, OVERALL INCLUDING SECTION 5A WINDSTAR HOMES, LLC.

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### INTRODUCTION

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Windstar Homes, LLC is planning a residential development in the City of Franklin, Johnson County called The Bluffs at Youngs Creek. The site is located on the west side of Nineveh Road and is the remaining 166-acre parcel of the Windstar Subdivision. The site is more specifically located in a part of the Southeast and part of the East Half of the Southwest Quarter of Section 22, also, a part of the Southwest Quarter of Section 23, all in Township 12 North, Range 4 East, Franklin Township, Johnson County, Indiana.

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### EXISTING SITE CONDITIONS

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The Bluffs at Youngs Creek development is approximately 166 acres, the majority of which is in the Youngs Creek Drainage Area. The site generally drains south to north toward Youngs Creek, which is approximately 500' north of this site. This site was originally platted as future sections of the Windstar Subdivision. Some of the existing storm infrastructure (pipes and retention ponds) for Windstar will be used for portions of the proposed development. Per the Effective Flood Insurance Rate Maps (FIRM), Panel 18081C0229D with the effective date of 8/2/2007 there is a portion of Future Sections that are impacted by a regulatory floodplain. The delineated floodplain is shown in the Exhibit 2 following the narrative.

Sections 1-2 and a small portion of Section 3 drain to the existing infrastructure of Windstar Subdivision and towards Nineveh Road. Section 3 and beyond is routed through Lake 3 and Lake 4, these lakes are interconnected. In discussions with City staff, it was relayed that there are existing drainage issues within the Windstar neighborhood. Based on that information a detailed detention analysis was performed on the infrastructure receiving the runoff from the new development. The details of the analysis are below, however, the analysis showed that the current ponds and infrastructure are not designed to handle current flows using current drainage analysis methods. Specifically, the pond at the end of Stardust Ct overflows its bank by more than 2 feet during the 100-year 24-hour event. Appendix A provides the full details, but a detailed summary is below.

The soils of the onsite basins are made up of type B, Brookston / Miami / Fox / Ockley, and type C soils, Crosby, and Whitaker. The soil map and summary are presented in the exhibits.

Figure 1 and the Existing Conditions basin maps show the drainage areas for the whole development prior to development. (Note: This image was taken from the Section 1 Report, Sections 1-3 are now built and considered a part of the existing conditions). For this analysis we have included the offsite area upstream of the site, the offsite area downstream of the site, and the area west of pond A, which is broken down into two outlets, those were all analyzed to determine our release rates and the impact of the project off site. We have identified Pond A as the pond at the end of Scorpio Ct and Pond B as the pond at the end of Stardust Ct. The drainage area of Pond A is 14.32 acres and encompasses the existing residential areas of Windstar and only a minor portion of the area surrounding the pond. The outlet of the pond is a 12" pipe that flows to the southeast to two curb inlets that were intended for a future road. They then continue to a 30" storm sewer system that runs northeast towards Virgo Dr. There are 2 inlets along this storm sewer that take the drainage from the farm field to the south and other onsite undeveloped land. At the existing structure 316 this 30" system begins to take residential drainage and ultimately discharges into Pond B. This system is identified as Outlet #3 on the map. Analysis of this system shows that there is flow from Pond B to Pond A during high flow conditions and creates a reduced flow for the 100-year event during existing conditions over the 10-year event. Pond B exceeds its banks for the 100-year event by 1.2 feet during the 24hr storm. Pond A is 0.2' feet shy of reaching its banks during a 100-year event. In addition, the proximity of Pond A to the residence at 893 Scorpio Ct is approximately 15 feet from the nearest corner of their house to the current edge of pond. Areas west of Pond A flow west and north to Young's Creek.

*Figure 1 - Existing Conditions Basin Layout*



Outlet 4 sheet flows directly to Youngs Creek. Outlet 4 contains the flow from the large basin west of pond A and the smaller basin northwest of pond A, as well as the area directly north of the pond A drainage area. The drainage area directly north of the pond A area, channelizes behind the houses until it converges into Youngs Creek.

Outlet 5 contains the four basins west of the large drainage area of Outlet 4. Outlet 5 sheet flows to a tributary of Youngs Creek for the existing condition.

<b>Table 1 – Existing Site Conditions – Basin Flow (cfs)</b>				
<b>STORM</b>	<b>DRAINAGE AREA (acres)</b>	<b>2-YEAR</b>	<b>10-YEAR</b>	<b>100-YEAR</b>
Outlet 4	98.11	141.48 (24hr)	273.19 (12hr)	559.57 (6hr)
Outlet 5	24.59	20.39 (24hr)	35.94 (12hr)	66.58 (6hr)

Existing peak discharges are based on TR-55 methodology. A basin analysis was performed using the 2, 10 and 100-year storm events and their corresponding 1, 2, 3, 6, 12 and 24-hour rainfall depths. The NRCS Type II rainfall distribution was used to generate the hydrographs.

Based on Table 1, the allowable release rates for each of those outlets is provided in Table 2 in accordance with the City of Franklin Subdivision Control Ordinance, Article 6.19.C.3, and identified as controlling the 10 year post construction flows to the predeveloped 2 year flows and the post developed 100 year flows to the pre developed 10 year flows.

<b>Table 2 – Allowable Release Rates (cfs)</b>		
<b>STORM</b>	<b>10-YEAR</b>	<b>100-YEAR</b>
Outlet 4	141.48	273.19

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#### **PROPOSED SITE CONDITIONS**

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Windstar Homes, LLC is proposing a multi section residential development that will be 166 acres. This report is for Section 5A which will be for 47 lots, numbered 292-338, and encompasses approximately 15.5 acres. This section will discharge to Youngs Creek with some rear yards draining to existing infrastructure.

Changes from the previously approved Section 5 and 6 report are that this Section will not build all of Lake 3, but only the portion needed for dirt balance. This assumes Section 3 and Section 4 are done and are considered existing conditions.

Outlet 4 contains the flows from Lake 2 and 4. Lakes 3 and 4 are interconnected but ultimately drain North to Outlet 4. This outlet will handle all the flow west of Pond A.

<b>Table 3 – Proposed Site Conditions – Basin Flow (cfs) (Interim 5A)</b>				
<b>STORM</b>	<b>DRAINAGE AREA (acres)</b>	<b>2-YEAR</b>	<b>10-YEAR</b>	<b>100-YEAR</b>
Outlet 4 (North)	127.64	16.31 (24hr)	35.58 (24hr)	49.54 (24hr)

<b>Table 4 – Lake 4 Data (Interim 5A)</b>		
<b>STORM</b>	<b>Discharge (cfs)</b>	<b>Elevation (ft)</b>
2 Year (24hr)	16.31	730.85
10 Year (24hr)	35.58	731.66
100 Year (24hr)	49.54	732.91

<b>Table 5 – Lake 3 Data (Interim 5A)</b>		
<b>STORM</b>	<b>Discharge (cfs)</b>	<b>Elevation (ft)</b>
2 Year (24hr)	3.25	733.09
10 Year (24hr)	4.65	734.30
100 Year (24hr)	11.01	735.97

The proposed peak discharges are based on TR-55 methodology. A detention analysis was performed using the 2, 10 and 100-year storm events and their corresponding 1, 2, 3, 6, 12, and 24-hour rainfall depths. The requisite Huff rainfall distributions were used to generate the hydrographs based on the storm duration. Appendix B provides the detailed information to support the summarized information provided above.

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#### **STORM SEWER DESIGN**

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The use of Manning's equation was used for determination of storm drainpipe sizes for non-submerged conditions. The storm drain system is capable of passing the 10-year storm event with free water surface elevations below the crown of pipe. Minimum storm drain flowing velocity for full pipe flow shall be 2.5 fps and maximum storm drain flowing velocity for full pipe flow is 15 fps. The pipe system for Sections 4 meet that criteria.

The Section 5A interim conditions for the storm sewer system includes only the pipe necessary to serve the Lots and roads being installed.

The inlet grate castings are designed such that the 10-year storm event shall be sufficiently conveyed into the storm sewer system at 50% efficiency.

The inlets are spaced to allow one lane of traffic to remain open during the 10-year storm event. Given the site constraints, there are several locations where multiples of double curb inlets were needed to capture the street flow and maintain the clear lane width during a 50% clogged situation. Appendix C provides the detailed information to support the pipe and gutter designs.

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#### **WATER QUALITY**

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The City of Franklin requires that all paved area be detained in a pond and the water quality volume of 20% of the larger of ½" direct runoff or runoff from the 1 ¼" 24 hr. rainfall event. For example, Lake 4 has 54 acres of drainage area, is approximately 98391.15 ft<sup>3</sup> of water for the ½" of direct runoff and 4702 ft<sup>3</sup> of water for the runoff from the 1 ¼" event. Therefore, the ½" of direct runoff controls. That volume must be



maintained for 24 hours past the peak runoff through the pond. Given the pond design, that volume must be maintained above elevation 729 for more than 24 hrs. after the peak. Table 5 provides the summary of those water quality volumes and times. Appendix D provides the necessary backup information to support the summarized information in this report for all Lakes.

<b>Table 6 – Water Quality Summary – Lake 4 (Overall Conditions)</b>			
<b>Peak of Lake Discharge</b>			
	<b>2 yr.</b>	<b>10 yr.</b>	<b>100 yr.</b>
<b>Time (hr.)</b>	13.11	13.21	13.07
<b>Elev (ft)</b>	731.10	731.76	732.81
<b>Time to WQv</b>			
	<b>2 yr.</b>	<b>10 yr.</b>	<b>100 yr.</b>
<b>Time (hr.)</b>	37.11	37.21	37.07
	>24 hr.	>24 hr.	>24 hr.
<b>Elev (ft)</b>	729.94	730.05	730.13

<b>Table 7 – Water Quality Summary – Lake 3 (Overall Conditions)</b>			
<b>Peak of Lake Discharge</b>			
	<b>2 yr.</b>	<b>10 yr.</b>	<b>100 yr.</b>
<b>Time (hr.)</b>	15.6	15.56	10.28
<b>Elev (ft)</b>	732.72	733.54	734.91
<b>Time to WQv</b>			
	<b>2 yr.</b>	<b>10 yr.</b>	<b>100 yr.</b>
<b>Time (hr.)</b>	39.60	39.56	34.28
	>24 hr.	>24 hr.	>24 hr.
<b>Elev (ft)</b>	731.98	732.31	733.49

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## CONCLUSION

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The Bluffs at Youngs Creek is a multi-section subdivision planned for the City of Franklin and located off Nineveh Road. Based on the results provided in this report, Sections 5A, and the overall development, will not have a negative impact on the surrounding community and will improve the off-site conditions with regards to drainage runoff entering those systems.

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## REFERENCES

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Design and data methods are based on the following references:

1. City of Franklin Subdivision Control Ordinance
2. HEPICC Stormwater Drainage Manual
3. USDA – Urban Hydrology for Small Watersheds
4. USDA – Soil Conservation Service

**APPENDIX A**

**PROPOSED SITE CONDITIONS**

**CALCULATIONS**

# Bluffs at Youngs Creek Section 5A

Job #83540

Post Developed Site

Runoff Coefficients &  
Weighted Curve Numbers

Section 5A														
Structure #	Total Drainage Area													
	$C_{co} = 0.85A_{imp} + 0.16A_{per} + 0.5Aug$													
	Total Drainage Area	Total Pavement Area	Total Roof Area	Total Roof Area	Total Impervious Area	Total Pervious Area	Total Agricultural Area	Sub-Basin Weighted C-Factor	Sub-Basin Weighted CN	ICPR Basin #	ICPR Basin CN			
(ac)	(sq. ft.)	(ac)	(sq. ft.)	(sq. ft.)	(ac)	(ac)	(ac)	C <sub>w</sub>	CN <sub>w</sub>	Area	CN <sub>w</sub>			
507	0.57	9038	0.21	4860	0.11	13898	0.32	0.25	0.00	0.55	90.1			
508	0.76	11391	0.26	8506	0.20	19898	0.46	0.30	0.00	0.57	90.8			
524	0.34	5756	0.13	0	0.00	5756	0.13	0.21	0.00	0.34	87.0			
525	0.62	9381	0.22	7391	0.17	16773	0.39	0.23	0.00	0.59	91.2			
534	0.24	0	0.00	3739	0.09	3739	0.09	0.15	0.00	0.41	86.4			
535	0.18	2971	0.07	0	0.00	2971	0.07	0.11	0.00	0.42	86.8			
536	0.32	4457	0.10	3000	0.07	7457	0.17	0.15	0.00	0.53	89.6			
554	0.81	12440	0.29	8880	0.20	21320	0.49	0.32	0.00	0.58	90.9			
555	0.81	12436	0.29	9305	0.21	21741	0.50	0.31	0.00	0.59	91.1			
563	0.80	12302	0.28	8867	0.20	21169	0.49	0.31	0.00	0.58	90.9			
564	0.80	12306	0.28	8982	0.21	21288	0.49	0.31	0.00	0.58	91.0			
574	0.57	0	0.00	8760	0.20	8760	0.20	0.37	0.00	0.40	86.4			
575	0.30	5358	0.12	0	0.00	5358	0.12	0.18	0.00	0.44	87.4			
576	0.30	5357	0.12	0	0.00	5357	0.12	0.18	0.00	0.44	87.4			
577	1.17	0	0.00	16166	0.37	16166	0.37	0.80	0.00	0.38	85.7			
578	1.29	0	0.00	19377	0.44	19377	0.44	0.80	0.00	0.40	86.2			
Lake 3	8.61	0	0.00	37389	0.86	37389	0.86	7.75	0.00	0.23	81.8			
Lake 3 Section 5A Int	6.08	48075	1.10	44303	1.02	92378	2.12	3.96	0.00	0.40	86.3			
Lake 3 Section 5A Int - Offsite	31.32	0	0.00	0	0.00	0	31.32	0.16	0.00	6.01	80.00			

Section 5A

$C_{co} = 0.85A_{imp} + 0.16A_{per} + 0.5Aug$

$CN_w = 98A_{imp} + 80A_{per}$

Section 5A

ICPR Basin #

ICPR Basin CN

Sub-Basin Weighted C-Factor

Sub-Basin Weighted CN

ICPR Basin #

ICPR Basin CN

Sub-Basin Weighted C-Factor

Sub-Basin Weighted CN

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Sub-Basin Weighted C-Factor

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Sub-Basin Weighted C-Factor

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ICPR Basin #

ICPR Basin CN

Sub-Basin Weighted C

Section 5A

C<sub>w</sub> = 0.85A<sub>imp</sub> + 0.16A<sub>perv</sub> + 0.5A<sub>ag</sub>      C<sub>N<sub>u</sub></sub> = 98A<sub>imp</sub> + 80A<sub>perv</sub>      Total Drainage Area

CN<sub>98</sub>= Impervious Areas  
CN<sub>80</sub>= Open Space (Good) - D S

## Bluffs at Youngs Creek Section 5A

Job #83540

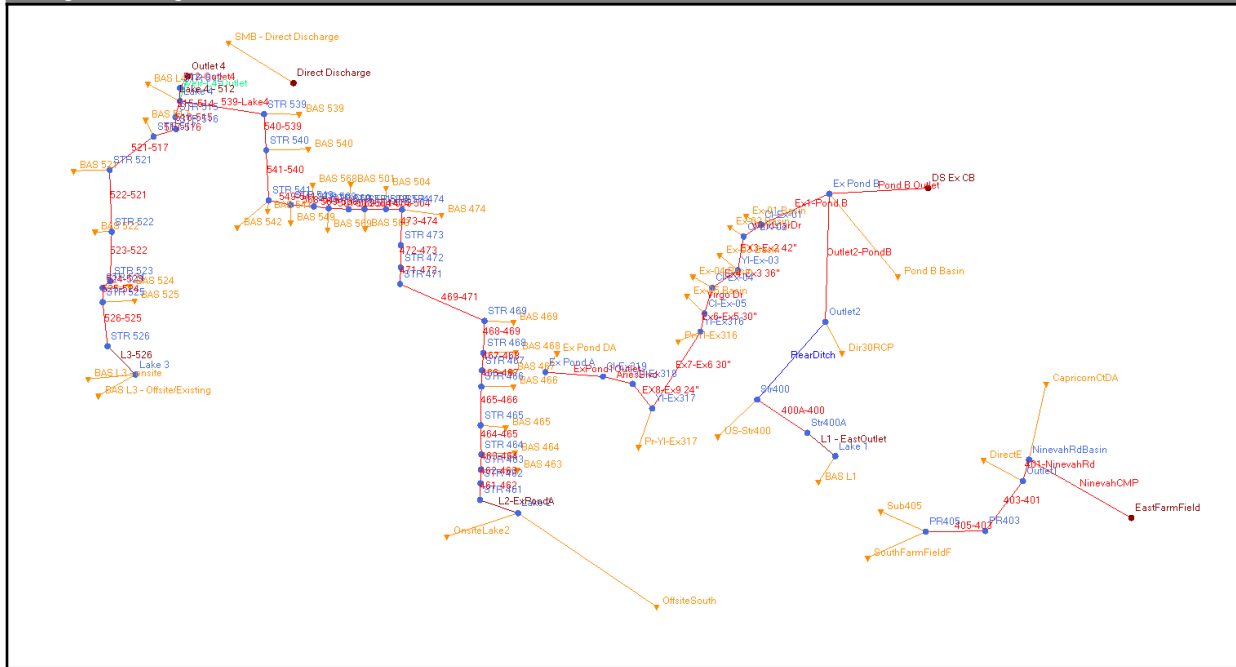
Post-Developed Site

## Time of Concentrations

## Section 5A

Basin	Sheet Flow						Manual (L/V)						
	Description	n =	L = (ft)	P <sub>2</sub> = (in)	s = (ft/ft)	T <sub>1</sub> = .007(nL) <sup>0.8</sup> /(P <sub>2</sub> <sup>0.5</sup> S <sub>0.4</sub> ) (hrs)	Description	S =	V = (ft/s)	L = (ft)	T <sub>1</sub> = L/V (hrs)	T <sub>c</sub> (total) (hrs)	T <sub>c</sub> (total) (min)
507	Dense Grasses	0.24	75	2.71	0.0248	0.1884	Paved/Unpaved	0.006	1.574616	65	0.0115	0.1999	12.0
508	Dense Grasses	0.24	75	2.71	0.0111	0.2598	Paved	0.006	1.574616	170	0.0300	0.2898	17.4
524	Dense Grasses	0.24	50	2.71	0.0822	0.0843	Paved	0.0088	1.906954	120	0.0175	0.1018	6.1
525	Dense Grasses	0.24	80	2.71	0.0145	0.2459	Paved	0.0088	1.906954	70	0.0102	0.2561	15.4
534	Dense Grasses	0.24	70	2.71	0.01	0.2564	Unpaved	0.01	1.61345	70	0.0121	0.2684	16.1
535	Dense Grasses	0.24	50	2.71	0.01	0.1959	Paved	0.01	2.03282	135	0.0184	0.2143	12.9
536	Dense Grasses	0.24	75	2.71	0.0095	0.2765	Paved	0.01	2.03282	145	0.0198	0.2963	17.8
554	Dense Grasses	0.24	75	2.71	0.01	0.2709	Paved	0.008	1.818209	200	0.0306	0.3015	18.1
555	Dense Grasses	0.24	75	2.71	0.01	0.2709	Paved	0.008	1.818209	235	0.0359	0.3068	18.4
563	Dense Grasses	0.24	75	2.71	0.01	0.2709	Paved	0.008	1.818209	195	0.0298	0.3007	18.0
564	Dense Grasses	0.24	75	2.71	0.01	0.2709	Paved	0.008	1.818209	240	0.0367	0.3076	18.5
574	Dense Grasses	0.24	65	2.71	0.02	0.1831	Unpaved	0.006	1.249773	0	0.0000	0.1831	11.0
575	Dense Grasses	0.24	78	2.71	0.02	0.2119	Paved	0.008	1.818209	0	0.0000	0.2119	12.7
576	Dense Grasses	0.24	78	2.71	0.02	0.2119	Paved	0.0053	1.479915	0	0.0000	0.2119	12.7
577	Dense Grasses	0.24	65	2.71	0.02	0.1831	Unpaved	0.01	1.61345	0	0.0000	0.1831	11.0
578	Dense Grasses	0.24	65	2.71	0.02	0.1831	Unpaved	0.0055	1.196567	0	0.0000	0.1831	11.0
Lake 3	Dense Grasses	0.24	100	2.71	0.02	0.2584	Unpaved	0.0074	1.387942	0	0.0000	0.2584	15.5
Lake 3 Section 5A Int - Offsite	Dense Grasses	0.24	100	2.71	0.002	0.6492	Unpaved	0.00117155	0.55225	1195	0.6011	1.2503	75.0

Background Image: Section 5A



Simple Basin: BAS 463

Scenario: Section 5A Interim  
 Node: STR 463  
 Hydrograph Method: NRCS Unit Hydrograph  
 Infiltration Method: Curve Number  
 Time of Concentration: 15.5000 min  
 Max Allowable Q: 0.00 cfs  
 Time Shift: 0.0000 hr  
 Unit Hydrograph: UH484  
 Peaking Factor: 484.0  
 Area: 0.8800 ac  
 Curve Number: 90.7  
 % Impervious: 0.00  
 % DCIA: 0.00  
 % Direct: 0.00  
 Rainfall Name:

Comment:

Simple Basin: BAS 464

Scenario: Section 5A Interim  
 Node: STR 464

Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 18.2000 min  
Max Allowable Q: 0.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 0.7800 ac  
Curve Number: 89.8  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

Simple Basin: BAS 465

Scenario: Section 5A Interim  
Node: STR 465  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 17.8000 min  
Max Allowable Q: 0.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 3.2900 ac  
Curve Number: 85.6  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

Simple Basin: BAS 466

Scenario: Section 5A Interim  
Node: STR 466  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 18.2000 min  
Max Allowable Q: 0.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0

Area: 0.6100 ac  
Curve Number: 87.5  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

Simple Basin: BAS 467

Scenario: Section 5A Interim  
Node: STR 467  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 9.9000 min  
Max Allowable Q: 0.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 0.4000 ac  
Curve Number: 85.9  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

Simple Basin: BAS 468

Scenario: Section 5A Interim  
Node: STR 468  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 20.5000 min  
Max Allowable Q: 0.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 1.3400 ac  
Curve Number: 88.9  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:



Comment:

Simple Basin: BAS 469

Scenario: Section 5A Interim  
Node: STR 469  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 19.6000 min  
Max Allowable Q: 0.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 1.6800 ac  
Curve Number: 89.3  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

Simple Basin: BAS 474

Scenario: Section 5A Interim  
Node: STR 474  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 22.0000 min  
Max Allowable Q: 0.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 6.4300 ac  
Curve Number: 90.0  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

Simple Basin: BAS 501

Scenario: Section 5A Interim

Node: STR 501  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 21.8000 min  
Max Allowable Q: 0.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 4.1200 ac  
Curve Number: 88.1  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

Simple Basin: BAS 503

Scenario: Section 5A Interim  
Node: STR 503  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 18.3000 min  
Max Allowable Q: 0.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 0.6400 ac  
Curve Number: 90.8  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

Simple Basin: BAS 504

Scenario: Section 5A Interim  
Node: STR 504  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 17.7000 min  
Max Allowable Q: 0.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484

Peaking Factor: 484.0  
Area: 0.5900 ac  
Curve Number: 90.9  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

Simple Basin: BAS 517

Scenario: Section 5A Interim  
Node: STR 517  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 17.5000 min  
Max Allowable Q: 0.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 0.7800 ac  
Curve Number: 90.4  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

Simple Basin: BAS 521

Scenario: Section 5A Interim  
Node: STR 521  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 18.0000 min  
Max Allowable Q: 0.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 3.9400 ac  
Curve Number: 88.1  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

Simple Basin: BAS 522

Scenario: Section 5A Interim  
Node: STR 522  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 20.2000 min  
Max Allowable Q: 0.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 4.3000 ac  
Curve Number: 81.2  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

Simple Basin: BAS 524

Scenario: Section 5A Interim  
Node: STR 524  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 6.1000 min  
Max Allowable Q: 0.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 0.3400 ac  
Curve Number: 87.0  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

Simple Basin: BAS 525

Scenario: Section 5A Interim  
Node: STR 525  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 15.4000 min  
Max Allowable Q: 0.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 0.6300 ac  
Curve Number: 91.0  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

Simple Basin: BAS 539

Scenario: Section 5A Interim  
Node: STR 539  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 16.8000 min  
Max Allowable Q: 0.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 0.4400 ac  
Curve Number: 90.8  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

Simple Basin: BAS 540

Scenario: Section 5A Interim  
Node: STR 540  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 17.5000 min  
Max Allowable Q: 0.00 cfs  
Time Shift: 0.0000 hr

Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 0.3100 ac  
Curve Number: 90.2  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

Simple Basin: BAS 541

Scenario: Section 5A Interim  
Node: STR 541  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 18.0000 min  
Max Allowable Q: 0.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 2.4600 ac  
Curve Number: 87.6  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

Simple Basin: BAS 542

Scenario: Section 5A Interim  
Node: STR 541  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 18.5000 min  
Max Allowable Q: 0.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 7.8800 ac  
Curve Number: 89.3  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00

Rainfall Name:

Comment:

## Simple Basin: BAS 549

Scenario: Section 5A Interim  
Node: STR 549  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 18.4000 min  
Max Allowable Q: 0.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 5.7900 ac  
Curve Number: 89.2  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

## Simple Basin: BAS 568

Scenario: Section 5A Interim  
Node: STR 568  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 12.1000 min  
Max Allowable Q: 0.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 0.3100 ac  
Curve Number: 87.2  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

## Simple Basin: BAS 569

Scenario: Section 5A Interim  
Node: STR 569  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 16.9000 min  
Max Allowable Q: 0.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 0.5000 ac  
Curve Number: 91.4  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

## Simple Basin: BAS L1

Scenario: Section 5A Interim  
Node: Lake 1  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 27.4000 min  
Max Allowable Q: 999999.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: Uh484  
Peaking Factor: 484.0  
Area: 17.4900 ac  
Curve Number: 88.1  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

## Simple Basin: BAS L3 - Offsite/Existing

Scenario: Section 5A Interim  
Node: Lake 3  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 75.0000 min  
Max Allowable Q: 0.00 cfs



Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 31.4500 ac  
Curve Number: 80.0  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

Simple Basin: BAS L3 - onsite

Scenario: Section 5A Interim  
Node: Lake 3  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 12.7000 min  
Max Allowable Q: 0.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 6.0100 ac  
Curve Number: 86.3  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

Simple Basin: BAS L4

Scenario: Section 5A Interim  
Node: Lake 4  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 15.5000 min  
Max Allowable Q: 0.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 5.7700 ac  
Curve Number: 82.3  
% Impervious: 0.00  
% DCIA: 0.00

% Direct: 0.00  
Rainfall Name:

Comment:

Simple Basin: CapricornCtDA

Scenario: Section 5A Interim  
Node: NinevahRdBasin  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 25.0000 min  
Max Allowable Q: 999999.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 6.6700 ac  
Curve Number: 86.0  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment: +0.34 Ac of Direct Runoff from proposed site to existing catch basins

Simple Basin: Dir30RCP

Scenario: Section 5A Interim  
Node: Outlet2  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 15.4000 min  
Max Allowable Q: 999999.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 1.7900 ac  
Curve Number: 78.2  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

## Simple Basin: DirectE

Scenario: Section 5A Interim  
Node: Outlet1  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 30.7000 min  
Max Allowable Q: 999999.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 1.5200 ac  
Curve Number: 76.7  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

## Simple Basin: Ex Pond DA

Scenario: Section 5A Interim  
Node: Ex Pond A  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 20.0000 min  
Max Allowable Q: 999999.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 16.9700 ac  
Curve Number: 82.0  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

## Simple Basin: Ex-01 Basin

Scenario: Section 5A Interim  
Node: CI-Ex-01  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 23.0000 min  
Max Allowable Q: 999999.00 cfs

Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 0.6800 ac  
Curve Number: 82.0  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

#### Simple Basin: Ex-02 Basin

Scenario: Section 5A Interim  
Node: CI-EX-02  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 25.3000 min  
Max Allowable Q: 999999.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 1.2700 ac  
Curve Number: 82.0  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

#### Simple Basin: Ex-03 Basin

Scenario: Section 5A Interim  
Node: YI-Ex-03  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 18.6000 min  
Max Allowable Q: 999999.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 1.8100 ac  
Curve Number: 82.0  
% Impervious: 0.00  
% DCIA: 0.00

% Direct: 0.00  
Rainfall Name:

Comment:

Simple Basin: Ex-04 Basin

Scenario: Section 5A Interim  
Node: CI-Ex-04  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 32.3000 min  
Max Allowable Q: 999999.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 1.3300 ac  
Curve Number: 82.0  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

Simple Basin: Ex-05 Basin

Scenario: Section 5A Interim  
Node: CI-Ex-05  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 24.9000 min  
Max Allowable Q: 999999.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 1.3800 ac  
Curve Number: 82.0  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

## Simple Basin: OffsiteSouth

Scenario: Section 5A Interim  
Node: Lake 2  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 30.0000 min  
Max Allowable Q: 999999.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: Uh484  
Peaking Factor: 484.0  
Area: 10.5600 ac  
Curve Number: 76.0  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

## Simple Basin: OnsiteLake2

Scenario: Section 5A Interim  
Node: Lake 2  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 21.6000 min  
Max Allowable Q: 999999.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: Uh484  
Peaking Factor: 484.0  
Area: 15.8900 ac  
Curve Number: 85.6  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

## Simple Basin: Pond B Basin

Scenario: Section 5A Interim  
Node: Ex Pond B  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 36.0000 min  
Max Allowable Q: 999999.00 cfs

Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 16.4500 ac  
Curve Number: 82.0  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

Simple Basin: Pr-YI-Ex316

Scenario: Section 5A Interim  
Node: YI-Ex316  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 22.0000 min  
Max Allowable Q: 999999.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 1.8300 ac  
Curve Number: 86.0  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

Simple Basin: Pr-YI-Ex317

Scenario: Section 5A Interim  
Node: YI-Ex317  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 20.0000 min  
Max Allowable Q: 999999.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 7.1600 ac  
Curve Number: 86.4  
% Impervious: 0.00  
% DCIA: 0.00

% Direct: 0.00  
Rainfall Name:

Comment: 437, 438, 444, EX317, Ex318, Ex319  
ToC = 18.9 + 1.1 min pipe flow = 20

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**Simple Basin: SMB - Direct Discharge**

Scenario: Section 5A Interim  
Node: Direct Discharge  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 20.0000 min  
Max Allowable Q: 0.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 15.0800 ac  
Curve Number: 86.0  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:

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**Simple Basin: SouthFarmFieldF**

Scenario: Section 5A Interim  
Node: PR405  
Hydrograph Method: NRCS Unit Hydrograph  
Infiltration Method: Curve Number  
Time of Concentration: 28.7000 min  
Max Allowable Q: 999999.00 cfs  
Time Shift: 0.0000 hr  
Unit Hydrograph: UH484  
Peaking Factor: 484.0  
Area: 2.6900 ac  
Curve Number: 76.0  
% Impervious: 0.00  
% DCIA: 0.00  
% Direct: 0.00  
Rainfall Name:

Comment:



## Simple Basin: Sub405

Scenario: Section 5A Interim  
 Node: PR405  
 Hydrograph Method: NRCS Unit Hydrograph  
 Infiltration Method: Curve Number  
 Time of Concentration: 14.5000 min  
 Max Allowable Q: 999999.00 cfs  
 Time Shift: 0.0000 hr  
 Unit Hydrograph: UH484  
 Peaking Factor: 484.0  
 Area: 0.6800 ac  
 Curve Number: 78.4  
 % Impervious: 0.00  
 % DCIA: 0.00  
 % Direct: 0.00  
 Rainfall Name:

Comment:

## Simple Basin: US-Str400

Scenario: Section 5A Interim  
 Node: Str400  
 Hydrograph Method: NRCS Unit Hydrograph  
 Infiltration Method: Curve Number  
 Time of Concentration: 14.1000 min  
 Max Allowable Q: 999999.00 cfs  
 Time Shift: 0.0000 hr  
 Unit Hydrograph: UH484  
 Peaking Factor: 484.0  
 Area: 2.1600 ac  
 Curve Number: 78.7  
 % Impervious: 0.00  
 % DCIA: 0.00  
 % Direct: 0.00  
 Rainfall Name:

Comment:

## Simple Basin Runoff Summary [Section 5A Interim]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
BAS 463	002YR01H R	1.71	0.6833	1.39	0.63	0.8800	90.7	0.00	0.00
BAS 463	002YR02H	1.94	1.1667	1.62	0.82	0.8800	90.7	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
	R								
BAS 463	002YR03H R	1.94	1.6667	1.72	0.90	0.8800	90.7	0.00	0.00
BAS 463	002YR06H R	2.17	3.1333	2.06	1.19	0.8800	90.7	0.00	0.00
BAS 463	002YR12H R	2.19	6.1000	2.45	1.54	0.8800	90.7	0.00	0.00
BAS 463	002YR24H R	1.99	12.0667	2.90	1.95	0.8800	90.7	0.00	0.00
BAS 463	010YR01H r	3.20	0.6667	2.02	1.16	0.8800	90.7	0.00	0.00
BAS 463	010YR02H r	3.55	1.1667	2.38	1.48	0.8800	90.7	0.00	0.00
BAS 463	010YR03H r	3.51	1.6500	2.53	1.61	0.8800	90.7	0.00	0.00
BAS 463	010YR06H r	3.78	3.1333	3.04	2.08	0.8800	90.7	0.00	0.00
BAS 463	010YR12H r	3.58	6.1000	3.54	2.55	0.8800	90.7	0.00	0.00
BAS 463	010YR24H r	3.04	12.0667	4.06	3.04	0.8800	90.7	0.00	0.00
BAS 463	1 1/4" 24hr	0.55	12.0833	1.25	0.52	0.8800	90.7	0.00	0.00
BAS 463	100YR01h r	5.73	0.6667	3.01	2.05	0.8800	90.7	0.00	0.00
BAS 463	100YR02h r	6.36	1.1667	3.65	2.65	0.8800	90.7	0.00	0.00
BAS 463	100YR03h r	6.36	1.6500	3.94	2.93	0.8800	90.7	0.00	0.00
BAS 463	100YR06h r	6.70	3.1333	4.79	3.75	0.8800	90.7	0.00	0.00
BAS 463	100YR12h r	5.94	6.1000	5.38	4.32	0.8800	90.7	0.00	0.00
BAS 463	100YR24h r	4.64	12.0667	5.83	4.76	0.8800	90.7	0.00	0.00
BAS 464	002YR01H R	1.24	0.7167	1.39	0.59	0.7800	89.8	0.00	0.00
BAS 464	002YR02H R	1.42	1.2000	1.62	0.77	0.7800	89.8	0.00	0.00
BAS 464	002YR03H R	1.43	1.7000	1.72	0.85	0.7800	89.8	0.00	0.00
BAS 464	002YR06H R	1.63	3.1667	2.06	1.14	0.7800	89.8	0.00	0.00
BAS 464	002YR12H R	1.69	6.1333	2.45	1.48	0.7800	89.8	0.00	0.00
BAS 464	002YR24H R	1.60	12.1000	2.90	1.88	0.7800	89.8	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
BAS 464	010YR01Hr	2.36	0.7000	2.02	1.10	0.7800	89.8	0.00	0.00
BAS 464	010YR02Hr	2.66	1.2000	2.38	1.41	0.7800	89.8	0.00	0.00
BAS 464	010YR03Hr	2.65	1.6833	2.53	1.55	0.7800	89.8	0.00	0.00
BAS 464	010YR06Hr	2.89	3.1667	3.04	2.01	0.7800	89.8	0.00	0.00
BAS 464	010YR12Hr	2.82	6.1333	3.54	2.47	0.7800	89.8	0.00	0.00
BAS 464	010YR24Hr	2.48	12.1000	4.06	2.96	0.7800	89.8	0.00	0.00
BAS 464	1 1/4" 24hr	0.41	12.1000	1.25	0.48	0.7800	89.8	0.00	0.00
BAS 464	100YR01hr	4.31	0.7000	3.01	1.98	0.7800	89.8	0.00	0.00
BAS 464	100YR02hr	4.85	1.2000	3.65	2.58	0.7800	89.8	0.00	0.00
BAS 464	100YR03hr	4.88	1.6833	3.94	2.85	0.7800	89.8	0.00	0.00
BAS 464	100YR06hr	5.20	3.1667	4.79	3.66	0.7800	89.8	0.00	0.00
BAS 464	100YR12hr	4.73	6.1333	5.38	4.23	0.7800	89.8	0.00	0.00
BAS 464	100YR24hr	3.81	12.0833	5.83	4.67	0.7800	89.8	0.00	0.00
BAS 465	002YR01HR	3.48	0.7167	1.39	0.41	3.2900	85.6	0.00	0.00
BAS 465	002YR02HR	4.18	1.2000	1.62	0.56	3.2900	85.6	0.00	0.00
BAS 465	002YR03HR	4.32	1.7000	1.72	0.63	3.2900	85.6	0.00	0.00
BAS 465	002YR06HR	5.22	3.1667	2.06	0.87	3.2900	85.6	0.00	0.00
BAS 465	002YR12HR	5.74	6.1333	2.45	1.18	3.2900	85.6	0.00	0.00
BAS 465	002YR24HR	5.70	12.1000	2.90	1.55	3.2900	85.6	0.00	0.00
BAS 465	010YR01Hr	7.58	0.7000	2.02	0.84	3.2900	85.6	0.00	0.00
BAS 465	010YR02Hr	8.89	1.2000	2.38	1.12	3.2900	85.6	0.00	0.00
BAS 465	010YR03Hr	8.99	1.6833	2.53	1.24	3.2900	85.6	0.00	0.00
BAS 465	010YR06Hr	10.26	3.1667	3.04	1.67	3.2900	85.6	0.00	0.00
BAS 465	010YR12Hr	10.33	6.1333	3.54	2.11	3.2900	85.6	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
	r								
BAS 465	010YR24H r	9.34	12.1000	4.06	2.57	3.2900	85.6	0.00	0.00
BAS 465	1 1/4" 24hr	1.10	12.1167	1.25	0.32	3.2900	85.6	0.00	0.00
BAS 465	100YR01h r	15.23	0.7000	3.01	1.65	3.2900	85.6	0.00	0.00
BAS 465	100YR02h r	17.77	1.2000	3.65	2.20	3.2900	85.6	0.00	0.00
BAS 465	100YR03h r	18.12	1.6833	3.94	2.46	3.2900	85.6	0.00	0.00
BAS 465	100YR06h r	19.94	3.1667	4.79	3.24	3.2900	85.6	0.00	0.00
BAS 465	100YR12h r	18.41	6.1333	5.38	3.79	3.2900	85.6	0.00	0.00
BAS 465	100YR24h r	15.04	12.0833	5.83	4.22	3.2900	85.6	0.00	0.00
BAS 466	002YR01H R	0.77	0.7167	1.39	0.48	0.6100	87.5	0.00	0.00
BAS 466	002YR02H R	0.90	1.2000	1.62	0.65	0.6100	87.5	0.00	0.00
BAS 466	002YR03H R	0.93	1.7000	1.72	0.72	0.6100	87.5	0.00	0.00
BAS 466	002YR06H R	1.09	3.1667	2.06	0.99	0.6100	87.5	0.00	0.00
BAS 466	002YR12H R	1.17	6.1333	2.45	1.31	0.6100	87.5	0.00	0.00
BAS 466	002YR24H R	1.14	12.1000	2.90	1.69	0.6100	87.5	0.00	0.00
BAS 466	010YR01H r	1.58	0.7167	2.02	0.95	0.6100	87.5	0.00	0.00
BAS 466	010YR02H r	1.82	1.2000	2.38	1.25	0.6100	87.5	0.00	0.00
BAS 466	010YR03H r	1.83	1.7000	2.53	1.37	0.6100	87.5	0.00	0.00
BAS 466	010YR06H r	2.04	3.1667	3.04	1.82	0.6100	87.5	0.00	0.00
BAS 466	010YR12H r	2.03	6.1333	3.54	2.27	0.6100	87.5	0.00	0.00
BAS 466	010YR24H r	1.82	12.1000	4.06	2.74	0.6100	87.5	0.00	0.00
BAS 466	1 1/4" 24hr	0.25	12.1167	1.25	0.39	0.6100	87.5	0.00	0.00
BAS 466	100YR01h r	3.03	0.7000	3.01	1.79	0.6100	87.5	0.00	0.00
BAS 466	100YR02h r	3.49	1.2000	3.65	2.37	0.6100	87.5	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
BAS 466	100YR03hr	3.53	1.6833	3.94	2.63	0.6100	87.5	0.00	0.00
BAS 466	100YR06hr	3.84	3.1667	4.79	3.43	0.6100	87.5	0.00	0.00
BAS 466	100YR12hr	3.52	6.1333	5.38	3.99	0.6100	87.5	0.00	0.00
BAS 466	100YR24hr	2.86	12.0833	5.83	4.42	0.6100	87.5	0.00	0.00
BAS 467	002YR01HR	0.68	0.6167	1.39	0.42	0.4000	85.9	0.00	0.00
BAS 467	002YR02HR	0.82	1.1000	1.62	0.57	0.4000	85.9	0.00	0.00
BAS 467	002YR03HR	0.84	1.6000	1.72	0.64	0.4000	85.9	0.00	0.00
BAS 467	002YR06HR	0.98	3.0833	2.06	0.89	0.4000	85.9	0.00	0.00
BAS 467	002YR12HR	0.99	6.0500	2.45	1.20	0.4000	85.9	0.00	0.00
BAS 467	002YR24HR	0.86	12.0333	2.90	1.58	0.4000	85.9	0.00	0.00
BAS 467	010YR01Hr	1.48	0.6000	2.02	0.86	0.4000	85.9	0.00	0.00
BAS 467	010YR02Hr	1.72	1.1000	2.38	1.14	0.4000	85.9	0.00	0.00
BAS 467	010YR03Hr	1.72	1.5833	2.53	1.27	0.4000	85.9	0.00	0.00
BAS 467	010YR06Hr	1.90	3.0667	3.04	1.70	0.4000	85.9	0.00	0.00
BAS 467	010YR12Hr	1.75	6.0500	3.54	2.13	0.4000	85.9	0.00	0.00
BAS 467	010YR24Hr	1.39	12.0333	4.06	2.60	0.4000	85.9	0.00	0.00
BAS 467	1 1/4" 24hr	0.18	12.0500	1.25	0.33	0.4000	85.9	0.00	0.00
BAS 467	100YR01hr	2.98	0.6000	3.01	1.67	0.4000	85.9	0.00	0.00
BAS 467	100YR02hr	3.42	1.1000	3.65	2.23	0.4000	85.9	0.00	0.00
BAS 467	100YR03hr	3.45	1.5833	3.94	2.49	0.4000	85.9	0.00	0.00
BAS 467	100YR06hr	3.66	3.0667	4.79	3.27	0.4000	85.9	0.00	0.00
BAS 467	100YR12hr	3.08	6.0500	5.38	3.83	0.4000	85.9	0.00	0.00
BAS 467	100YR24hr	2.21	12.0167	5.83	4.25	0.4000	85.9	0.00	0.00
BAS 468	002YR01HR	1.76	0.7500	1.39	0.54	1.3400	88.9	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
	R								
BAS 468	002YR02H R	2.05	1.2333	1.62	0.72	1.3400	88.9	0.00	0.00
BAS 468	002YR03H R	2.08	1.7333	1.72	0.79	1.3400	88.9	0.00	0.00
BAS 468	002YR06H R	2.40	3.2000	2.06	1.07	1.3400	88.9	0.00	0.00
BAS 468	002YR12H R	2.56	6.1667	2.45	1.40	1.3400	88.9	0.00	0.00
BAS 468	002YR24H R	2.51	12.1167	2.90	1.80	1.3400	88.9	0.00	0.00
BAS 468	010YR01H r	3.48	0.7333	2.02	1.04	1.3400	88.9	0.00	0.00
BAS 468	010YR02H r	3.94	1.2333	2.38	1.34	1.3400	88.9	0.00	0.00
BAS 468	010YR03H r	3.95	1.7167	2.53	1.47	1.3400	88.9	0.00	0.00
BAS 468	010YR06H r	4.37	3.2000	3.04	1.93	1.3400	88.9	0.00	0.00
BAS 468	010YR12H r	4.34	6.1667	3.54	2.39	1.3400	88.9	0.00	0.00
BAS 468	010YR24H r	3.94	12.1167	4.06	2.87	1.3400	88.9	0.00	0.00
BAS 468	1 1/4" 24hr	0.60	12.1333	1.25	0.44	1.3400	88.9	0.00	0.00
BAS 468	100YR01h r	6.47	0.7333	3.01	1.90	1.3400	88.9	0.00	0.00
BAS 468	100YR02h r	7.34	1.2167	3.65	2.49	1.3400	88.9	0.00	0.00
BAS 468	100YR03h r	7.43	1.7167	3.94	2.76	1.3400	88.9	0.00	0.00
BAS 468	100YR06h r	8.00	3.1833	4.79	3.56	1.3400	88.9	0.00	0.00
BAS 468	100YR12h r	7.40	6.1500	5.38	4.13	1.3400	88.9	0.00	0.00
BAS 468	100YR24h r	6.12	12.1167	5.83	4.57	1.3400	88.9	0.00	0.00
BAS 469	002YR01H R	2.39	0.7333	1.39	0.56	1.6800	89.3	0.00	0.00
BAS 469	002YR02H R	2.76	1.2167	1.62	0.74	1.6800	89.3	0.00	0.00
BAS 469	002YR03H R	2.80	1.7167	1.72	0.82	1.6800	89.3	0.00	0.00
BAS 469	002YR06H R	3.21	3.1833	2.06	1.10	1.6800	89.3	0.00	0.00
BAS 469	002YR12H R	3.39	6.1500	2.45	1.44	1.6800	89.3	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
BAS 469	002YR24H R	3.27	12.1167	2.90	1.84	1.6800	89.3	0.00	0.00
BAS 469	010YR01H r	4.63	0.7333	2.02	1.07	1.6800	89.3	0.00	0.00
BAS 469	010YR02H r	5.24	1.2167	2.38	1.38	1.6800	89.3	0.00	0.00
BAS 469	010YR03H r	5.24	1.7000	2.53	1.51	1.6800	89.3	0.00	0.00
BAS 469	010YR06H r	5.77	3.1833	3.04	1.97	1.6800	89.3	0.00	0.00
BAS 469	010YR12H r	5.69	6.1500	3.54	2.43	1.6800	89.3	0.00	0.00
BAS 469	010YR24H r	5.10	12.1000	4.06	2.91	1.6800	89.3	0.00	0.00
BAS 469	1 1/4" 24hr	0.81	12.1167	1.25	0.46	1.6800	89.3	0.00	0.00
BAS 469	100YR01h r	8.55	0.7167	3.01	1.94	1.6800	89.3	0.00	0.00
BAS 469	100YR02h r	9.69	1.2167	3.65	2.53	1.6800	89.3	0.00	0.00
BAS 469	100YR03h r	9.77	1.7000	3.94	2.80	1.6800	89.3	0.00	0.00
BAS 469	100YR06h r	10.49	3.1833	4.79	3.61	1.6800	89.3	0.00	0.00
BAS 469	100YR12h r	9.62	6.1500	5.38	4.18	1.6800	89.3	0.00	0.00
BAS 469	100YR24h r	7.90	12.1000	5.83	4.61	1.6800	89.3	0.00	0.00
BAS 474	002YR01H R	8.89	0.7667	1.39	0.60	6.4300	90.0	0.00	0.00
BAS 474	002YR02H R	10.20	1.2500	1.62	0.78	6.4300	90.0	0.00	0.00
BAS 474	002YR03H R	10.33	1.7500	1.72	0.86	6.4300	90.0	0.00	0.00
BAS 474	002YR06H R	11.75	3.2167	2.06	1.14	6.4300	90.0	0.00	0.00
BAS 474	002YR12H R	12.44	6.1833	2.45	1.49	6.4300	90.0	0.00	0.00
BAS 474	002YR24H R	12.15	12.1333	2.90	1.89	6.4300	90.0	0.00	0.00
BAS 474	010YR01H r	16.94	0.7500	2.02	1.11	6.4300	90.0	0.00	0.00
BAS 474	010YR02H r	19.03	1.2500	2.38	1.42	6.4300	90.0	0.00	0.00
BAS 474	010YR03H r	19.04	1.7333	2.53	1.56	6.4300	90.0	0.00	0.00
BAS 474	010YR06H	20.83	3.2167	3.04	2.02	6.4300	90.0	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
	r								
BAS 474	010YR12H r	20.67	6.1667	3.54	2.49	6.4300	90.0	0.00	0.00
BAS 474	010YR24H r	18.80	12.1333	4.06	2.98	6.4300	90.0	0.00	0.00
BAS 474	1 1/4" 24hr	3.13	12.1500	1.25	0.49	6.4300	90.0	0.00	0.00
BAS 474	100YR01h r	30.76	0.7500	3.01	1.99	6.4300	90.0	0.00	0.00
BAS 474	100YR02h r	34.69	1.2333	3.65	2.59	6.4300	90.0	0.00	0.00
BAS 474	100YR03h r	34.98	1.7333	3.94	2.86	6.4300	90.0	0.00	0.00
BAS 474	100YR06h r	37.45	3.2000	4.79	3.68	6.4300	90.0	0.00	0.00
BAS 474	100YR12h r	34.71	6.1667	5.38	4.25	6.4300	90.0	0.00	0.00
BAS 474	100YR24h r	28.92	12.1333	5.83	4.68	6.4300	90.0	0.00	0.00
BAS 501	002YR01H R	4.82	0.7667	1.39	0.51	4.1200	88.1	0.00	0.00
BAS 501	002YR02H R	5.64	1.2500	1.62	0.68	4.1200	88.1	0.00	0.00
BAS 501	002YR03H R	5.76	1.7500	1.72	0.75	4.1200	88.1	0.00	0.00
BAS 501	002YR06H R	6.72	3.2167	2.06	1.02	4.1200	88.1	0.00	0.00
BAS 501	002YR12H R	7.28	6.1833	2.45	1.35	4.1200	88.1	0.00	0.00
BAS 501	002YR24H R	7.25	12.1333	2.90	1.74	4.1200	88.1	0.00	0.00
BAS 501	010YR01H r	9.68	0.7500	2.02	0.99	4.1200	88.1	0.00	0.00
BAS 501	010YR02H r	11.07	1.2500	2.38	1.29	4.1200	88.1	0.00	0.00
BAS 501	010YR03H r	11.15	1.7333	2.53	1.42	4.1200	88.1	0.00	0.00
BAS 501	010YR06H r	12.42	3.2167	3.04	1.87	4.1200	88.1	0.00	0.00
BAS 501	010YR12H r	12.50	6.1667	3.54	2.32	4.1200	88.1	0.00	0.00
BAS 501	010YR24H r	11.50	12.1333	4.06	2.80	4.1200	88.1	0.00	0.00
BAS 501	1 1/4" 24hr	1.66	12.1500	1.25	0.41	4.1200	88.1	0.00	0.00
BAS 501	100YR01h r	18.30	0.7500	3.01	1.84	4.1200	88.1	0.00	0.00



Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
BAS 501	100YR02hr	20.95	1.2333	3.65	2.42	4.1200	88.1	0.00	0.00
BAS 501	100YR03hr	21.26	1.7333	3.94	2.69	4.1200	88.1	0.00	0.00
BAS 501	100YR06hr	23.09	3.2000	4.79	3.49	4.1200	88.1	0.00	0.00
BAS 501	100YR12hr	21.55	6.1667	5.38	4.05	4.1200	88.1	0.00	0.00
BAS 501	100YR24hr	18.03	12.1333	5.83	4.49	4.1200	88.1	0.00	0.00
BAS 503	002YR01HR	1.11	0.7167	1.39	0.64	0.6400	90.8	0.00	0.00
BAS 503	002YR02HR	1.25	1.2000	1.62	0.83	0.6400	90.8	0.00	0.00
BAS 503	002YR03HR	1.26	1.7000	1.72	0.91	0.6400	90.8	0.00	0.00
BAS 503	002YR06HR	1.41	3.1667	2.06	1.20	0.6400	90.8	0.00	0.00
BAS 503	002YR12HR	1.45	6.1333	2.45	1.55	0.6400	90.8	0.00	0.00
BAS 503	002YR24HR	1.36	12.1000	2.90	1.96	0.6400	90.8	0.00	0.00
BAS 503	010YR01HR	2.06	0.7000	2.02	1.17	0.6400	90.8	0.00	0.00
BAS 503	010YR02HR	2.29	1.2000	2.38	1.49	0.6400	90.8	0.00	0.00
BAS 503	010YR03HR	2.27	1.6833	2.53	1.62	0.6400	90.8	0.00	0.00
BAS 503	010YR06HR	2.46	3.1667	3.04	2.09	0.6400	90.8	0.00	0.00
BAS 503	010YR12HR	2.38	6.1333	3.54	2.56	0.6400	90.8	0.00	0.00
BAS 503	010YR24HR	2.08	12.1000	4.06	3.06	0.6400	90.8	0.00	0.00
BAS 503	1 1/4" 24hr	0.37	12.1000	1.25	0.53	0.6400	90.8	0.00	0.00
BAS 503	100YR01hr	3.67	0.7000	3.01	2.06	0.6400	90.8	0.00	0.00
BAS 503	100YR02hr	4.10	1.2000	3.65	2.67	0.6400	90.8	0.00	0.00
BAS 503	100YR03hr	4.10	1.6833	3.94	2.94	0.6400	90.8	0.00	0.00
BAS 503	100YR06hr	4.35	3.1667	4.79	3.76	0.6400	90.8	0.00	0.00
BAS 503	100YR12hr	3.94	6.1333	5.38	4.34	0.6400	90.8	0.00	0.00
BAS 503	100YR24hr	3.17	12.0833	5.83	4.78	0.6400	90.8	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
	r								
BAS 504	002YR01H R	1.06	0.7000	1.39	0.65	0.5900	90.9	0.00	0.00
BAS 504	002YR02H R	1.20	1.2000	1.62	0.83	0.5900	90.9	0.00	0.00
BAS 504	002YR03H R	1.20	1.6833	1.72	0.92	0.5900	90.9	0.00	0.00
BAS 504	002YR06H R	1.34	3.1667	2.06	1.21	0.5900	90.9	0.00	0.00
BAS 504	002YR12H R	1.37	6.1333	2.45	1.56	0.5900	90.9	0.00	0.00
BAS 504	002YR24H R	1.28	12.0833	2.90	1.97	0.5900	90.9	0.00	0.00
BAS 504	010YR01H r	1.97	0.7000	2.02	1.18	0.5900	90.9	0.00	0.00
BAS 504	010YR02H r	2.18	1.2000	2.38	1.50	0.5900	90.9	0.00	0.00
BAS 504	010YR03H r	2.16	1.6833	2.53	1.63	0.5900	90.9	0.00	0.00
BAS 504	010YR06H r	2.33	3.1667	3.04	2.10	0.5900	90.9	0.00	0.00
BAS 504	010YR12H r	2.24	6.1333	3.54	2.57	0.5900	90.9	0.00	0.00
BAS 504	010YR24H r	1.95	12.0833	4.06	3.07	0.5900	90.9	0.00	0.00
BAS 504	1 1/4" 24hr	0.35	12.1000	1.25	0.54	0.5900	90.9	0.00	0.00
BAS 504	100YR01h r	3.50	0.7000	3.01	2.08	0.5900	90.9	0.00	0.00
BAS 504	100YR02h r	3.89	1.1833	3.65	2.68	0.5900	90.9	0.00	0.00
BAS 504	100YR03h r	3.89	1.6833	3.94	2.96	0.5900	90.9	0.00	0.00
BAS 504	100YR06h r	4.11	3.1500	4.79	3.77	0.5900	90.9	0.00	0.00
BAS 504	100YR12h r	3.70	6.1167	5.38	4.35	0.5900	90.9	0.00	0.00
BAS 504	100YR24h r	2.97	12.0833	5.83	4.79	0.5900	90.9	0.00	0.00
BAS 517	002YR01H R	1.34	0.7000	1.39	0.62	0.7800	90.4	0.00	0.00
BAS 517	002YR02H R	1.53	1.2000	1.62	0.80	0.7800	90.4	0.00	0.00
BAS 517	002YR03H R	1.54	1.6833	1.72	0.88	0.7800	90.4	0.00	0.00
BAS 517	002YR06H R	1.73	3.1667	2.06	1.17	0.7800	90.4	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
BAS 517	002YR12H R	1.78	6.1333	2.45	1.52	0.7800	90.4	0.00	0.00
BAS 517	002YR24H R	1.66	12.0833	2.90	1.93	0.7800	90.4	0.00	0.00
BAS 517	010YR01H r	2.53	0.7000	2.02	1.14	0.7800	90.4	0.00	0.00
BAS 517	010YR02H r	2.81	1.1833	2.38	1.45	0.7800	90.4	0.00	0.00
BAS 517	010YR03H r	2.80	1.6833	2.53	1.59	0.7800	90.4	0.00	0.00
BAS 517	010YR06H r	3.03	3.1667	3.04	2.06	0.7800	90.4	0.00	0.00
BAS 517	010YR12H r	2.93	6.1167	3.54	2.52	0.7800	90.4	0.00	0.00
BAS 517	010YR24H r	2.56	12.0833	4.06	3.02	0.7800	90.4	0.00	0.00
BAS 517	1 1/4" 24hr	0.45	12.1000	1.25	0.51	0.7800	90.4	0.00	0.00
BAS 517	100YR01h r	4.56	0.7000	3.01	2.03	0.7800	90.4	0.00	0.00
BAS 517	100YR02h r	5.10	1.1833	3.65	2.63	0.7800	90.4	0.00	0.00
BAS 517	100YR03h r	5.10	1.6833	3.94	2.90	0.7800	90.4	0.00	0.00
BAS 517	100YR06h r	5.41	3.1500	4.79	3.72	0.7800	90.4	0.00	0.00
BAS 517	100YR12h r	4.88	6.1167	5.38	4.29	0.7800	90.4	0.00	0.00
BAS 517	100YR24h r	3.91	12.0833	5.83	4.73	0.7800	90.4	0.00	0.00
BAS 521	002YR01H R	5.29	0.7167	1.39	0.51	3.9400	88.1	0.00	0.00
BAS 521	002YR02H R	6.20	1.2000	1.62	0.67	3.9400	88.1	0.00	0.00
BAS 521	002YR03H R	6.33	1.7000	1.72	0.75	3.9400	88.1	0.00	0.00
BAS 521	002YR06H R	7.36	3.1667	2.06	1.02	3.9400	88.1	0.00	0.00
BAS 521	002YR12H R	7.84	6.1333	2.45	1.34	3.9400	88.1	0.00	0.00
BAS 521	002YR24H R	7.56	12.1000	2.90	1.74	3.9400	88.1	0.00	0.00
BAS 521	010YR01H r	10.68	0.7000	2.02	0.99	3.9400	88.1	0.00	0.00
BAS 521	010YR02H r	12.22	1.2000	2.38	1.29	3.9400	88.1	0.00	0.00
BAS 521	010YR03H	12.26	1.6833	2.53	1.41	3.9400	88.1	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
	r								
BAS 521	010YR06H r	13.63	3.1667	3.04	1.86	3.9400	88.1	0.00	0.00
BAS 521	010YR12H r	13.46	6.1333	3.54	2.31	3.9400	88.1	0.00	0.00
BAS 521	010YR24H r	11.98	12.1000	4.06	2.79	3.9400	88.1	0.00	0.00
BAS 521	1 1/4" 24hr	1.74	12.1167	1.25	0.41	3.9400	88.1	0.00	0.00
BAS 521	100YR01h r	20.29	0.7000	3.01	1.83	3.9400	88.1	0.00	0.00
BAS 521	100YR02h r	23.17	1.2000	3.65	2.41	3.9400	88.1	0.00	0.00
BAS 521	100YR03h r	23.44	1.6833	3.94	2.68	3.9400	88.1	0.00	0.00
BAS 521	100YR06h r	25.33	3.1667	4.79	3.48	3.9400	88.1	0.00	0.00
BAS 521	100YR12h r	23.16	6.1333	5.38	4.04	3.9400	88.1	0.00	0.00
BAS 521	100YR24h r	18.78	12.0833	5.83	4.48	3.9400	88.1	0.00	0.00
BAS 522	002YR01H R	2.54	0.7667	1.39	0.27	4.3000	81.2	0.00	0.00
BAS 522	002YR02H R	3.18	1.2500	1.62	0.39	4.3000	81.2	0.00	0.00
BAS 522	002YR03H R	3.35	1.7333	1.72	0.44	4.3000	81.2	0.00	0.00
BAS 522	002YR06H R	4.37	3.2167	2.06	0.65	4.3000	81.2	0.00	0.00
BAS 522	002YR12H R	5.22	6.1667	2.45	0.92	4.3000	81.2	0.00	0.00
BAS 522	002YR24H R	5.62	12.1167	2.90	1.25	4.3000	81.2	0.00	0.00
BAS 522	010YR01H r	6.42	0.7500	2.02	0.63	4.3000	81.2	0.00	0.00
BAS 522	010YR02H r	7.83	1.2333	2.38	0.87	4.3000	81.2	0.00	0.00
BAS 522	010YR03H r	8.08	1.7333	2.53	0.98	4.3000	81.2	0.00	0.00
BAS 522	010YR06H r	9.74	3.2000	3.04	1.36	4.3000	81.2	0.00	0.00
BAS 522	010YR12H r	10.34	6.1667	3.54	1.76	4.3000	81.2	0.00	0.00
BAS 522	010YR24H r	9.92	12.1167	4.06	2.19	4.3000	81.2	0.00	0.00
BAS 522	1 1/4" 24hr	0.68	12.1667	1.25	0.20	4.3000	81.2	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
BAS 522	100YR01hr	14.31	0.7333	3.01	1.34	4.3000	81.2	0.00	0.00
BAS 522	100YR02hr	17.42	1.2333	3.65	1.85	4.3000	81.2	0.00	0.00
BAS 522	100YR03hr	18.08	1.7167	3.94	2.09	4.3000	81.2	0.00	0.00
BAS 522	100YR06hr	20.70	3.2000	4.79	2.83	4.3000	81.2	0.00	0.00
BAS 522	100YR12hr	19.80	6.1500	5.38	3.35	4.3000	81.2	0.00	0.00
BAS 522	100YR24hr	16.85	12.1167	5.83	3.76	4.3000	81.2	0.00	0.00
BAS 524	002YR01HR	0.92	0.5667	1.39	0.46	0.3400	87.0	0.00	0.00
BAS 524	002YR02HR	1.09	1.0500	1.62	0.62	0.3400	87.0	0.00	0.00
BAS 524	002YR03HR	1.11	1.5500	1.72	0.69	0.3400	87.0	0.00	0.00
BAS 524	002YR06HR	1.23	3.0333	2.06	0.95	0.3400	87.0	0.00	0.00
BAS 524	002YR12HR	1.09	6.0167	2.45	1.27	0.3400	87.0	0.00	0.00
BAS 524	002YR24HR	0.82	12.0000	2.90	1.65	0.3400	87.0	0.00	0.00
BAS 524	010YR01Hr	1.95	0.5667	2.02	0.92	0.3400	87.0	0.00	0.00
BAS 524	010YR02Hr	2.24	1.0500	2.38	1.21	0.3400	87.0	0.00	0.00
BAS 524	010YR03Hr	2.20	1.5500	2.53	1.34	0.3400	87.0	0.00	0.00
BAS 524	010YR06Hr	2.30	3.0333	3.04	1.77	0.3400	87.0	0.00	0.00
BAS 524	010YR12Hr	1.87	6.0167	3.54	2.22	0.3400	87.0	0.00	0.00
BAS 524	010YR24Hr	1.30	12.0000	4.06	2.69	0.3400	87.0	0.00	0.00
BAS 524	1 1/4" 24hr	0.19	12.0167	1.25	0.37	0.3400	87.0	0.00	0.00
BAS 524	100YR01hr	3.81	0.5500	3.01	1.75	0.3400	87.0	0.00	0.00
BAS 524	100YR02hr	4.33	1.0500	3.65	2.32	0.3400	87.0	0.00	0.00
BAS 524	100YR03hr	4.26	1.5500	3.94	2.58	0.3400	87.0	0.00	0.00
BAS 524	100YR06hr	4.30	3.0333	4.79	3.37	0.3400	87.0	0.00	0.00
BAS 524	100YR12hr	3.21	6.0167	5.38	3.93	0.3400	87.0	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
	r								
BAS 524	100YR24h r	2.03	12.0000	5.83	4.35	0.3400	87.0	0.00	0.00
BAS 525	002YR01H R	1.27	0.6833	1.39	0.65	0.6300	91.0	0.00	0.00
BAS 525	002YR02H R	1.43	1.1667	1.62	0.84	0.6300	91.0	0.00	0.00
BAS 525	002YR03H R	1.44	1.6667	1.72	0.92	0.6300	91.0	0.00	0.00
BAS 525	002YR06H R	1.59	3.1333	2.06	1.22	0.6300	91.0	0.00	0.00
BAS 525	002YR12H R	1.60	6.1000	2.45	1.57	0.6300	91.0	0.00	0.00
BAS 525	002YR24H R	1.45	12.0667	2.90	1.98	0.6300	91.0	0.00	0.00
BAS 525	010YR01H r	2.36	0.6667	2.02	1.18	0.6300	91.0	0.00	0.00
BAS 525	010YR02H r	2.60	1.1667	2.38	1.50	0.6300	91.0	0.00	0.00
BAS 525	010YR03H r	2.57	1.6500	2.53	1.64	0.6300	91.0	0.00	0.00
BAS 525	010YR06H r	2.76	3.1333	3.04	2.11	0.6300	91.0	0.00	0.00
BAS 525	010YR12H r	2.60	6.1000	3.54	2.58	0.6300	91.0	0.00	0.00
BAS 525	010YR24H r	2.20	12.0667	4.06	3.08	0.6300	91.0	0.00	0.00
BAS 525	1 1/4" 24hr	0.41	12.0833	1.25	0.54	0.6300	91.0	0.00	0.00
BAS 525	100YR01h r	4.19	0.6667	3.01	2.08	0.6300	91.0	0.00	0.00
BAS 525	100YR02h r	4.63	1.1667	3.65	2.69	0.6300	91.0	0.00	0.00
BAS 525	100YR03h r	4.63	1.6500	3.94	2.96	0.6300	91.0	0.00	0.00
BAS 525	100YR06h r	4.86	3.1333	4.79	3.78	0.6300	91.0	0.00	0.00
BAS 525	100YR12h r	4.30	6.1000	5.38	4.36	0.6300	91.0	0.00	0.00
BAS 525	100YR24h r	3.35	12.0667	5.83	4.80	0.6300	91.0	0.00	0.00
BAS 539	002YR01H R	0.82	0.7000	1.39	0.64	0.4400	90.8	0.00	0.00
BAS 539	002YR02H R	0.92	1.1833	1.62	0.83	0.4400	90.8	0.00	0.00
BAS 539	002YR03H R	0.93	1.6833	1.72	0.91	0.4400	90.8	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
BAS 539	002YR06H R	1.03	3.1500	2.06	1.20	0.4400	90.8	0.00	0.00
BAS 539	002YR12H R	1.05	6.1167	2.45	1.55	0.4400	90.8	0.00	0.00
BAS 539	002YR24H R	0.97	12.0833	2.90	1.97	0.4400	90.8	0.00	0.00
BAS 539	010YR01H r	1.52	0.6833	2.02	1.17	0.4400	90.8	0.00	0.00
BAS 539	010YR02H r	1.68	1.1833	2.38	1.49	0.4400	90.8	0.00	0.00
BAS 539	010YR03H r	1.67	1.6667	2.53	1.63	0.4400	90.8	0.00	0.00
BAS 539	010YR06H r	1.80	3.1500	3.04	2.10	0.4400	90.8	0.00	0.00
BAS 539	010YR12H r	1.72	6.1167	3.54	2.57	0.4400	90.8	0.00	0.00
BAS 539	010YR24H r	1.48	12.0833	4.06	3.06	0.4400	90.8	0.00	0.00
BAS 539	1 1/4" 24hr	0.27	12.1000	1.25	0.53	0.4400	90.8	0.00	0.00
BAS 539	100YR01h r	2.71	0.6833	3.01	2.07	0.4400	90.8	0.00	0.00
BAS 539	100YR02h r	3.01	1.1833	3.65	2.67	0.4400	90.8	0.00	0.00
BAS 539	100YR03h r	3.01	1.6667	3.94	2.95	0.4400	90.8	0.00	0.00
BAS 539	100YR06h r	3.18	3.1500	4.79	3.77	0.4400	90.8	0.00	0.00
BAS 539	100YR12h r	2.85	6.1167	5.38	4.34	0.4400	90.8	0.00	0.00
BAS 539	100YR24h r	2.26	12.0833	5.83	4.78	0.4400	90.8	0.00	0.00
BAS 540	002YR01H R	0.52	0.7000	1.39	0.61	0.3100	90.2	0.00	0.00
BAS 540	002YR02H R	0.60	1.2000	1.62	0.79	0.3100	90.2	0.00	0.00
BAS 540	002YR03H R	0.60	1.6833	1.72	0.87	0.3100	90.2	0.00	0.00
BAS 540	002YR06H R	0.68	3.1667	2.06	1.16	0.3100	90.2	0.00	0.00
BAS 540	002YR12H R	0.70	6.1333	2.45	1.50	0.3100	90.2	0.00	0.00
BAS 540	002YR24H R	0.66	12.0833	2.90	1.91	0.3100	90.2	0.00	0.00
BAS 540	010YR01H r	1.00	0.7000	2.02	1.12	0.3100	90.2	0.00	0.00
BAS 540	010YR02H r	1.11	1.1833	2.38	1.44	0.3100	90.2	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
	r								
BAS 540	010YR03H r	1.10	1.6833	2.53	1.57	0.3100	90.2	0.00	0.00
BAS 540	010YR06H r	1.20	3.1667	3.04	2.04	0.3100	90.2	0.00	0.00
BAS 540	010YR12H r	1.16	6.1333	3.54	2.51	0.3100	90.2	0.00	0.00
BAS 540	010YR24H r	1.01	12.0833	4.06	3.00	0.3100	90.2	0.00	0.00
BAS 540	1 1/4" 24hr	0.17	12.1000	1.25	0.50	0.3100	90.2	0.00	0.00
BAS 540	100YR01h r	1.80	0.7000	3.01	2.01	0.3100	90.2	0.00	0.00
BAS 540	100YR02h r	2.01	1.1833	3.65	2.61	0.3100	90.2	0.00	0.00
BAS 540	100YR03h r	2.02	1.6833	3.94	2.88	0.3100	90.2	0.00	0.00
BAS 540	100YR06h r	2.14	3.1500	4.79	3.70	0.3100	90.2	0.00	0.00
BAS 540	100YR12h r	1.93	6.1167	5.38	4.27	0.3100	90.2	0.00	0.00
BAS 540	100YR24h r	1.55	12.0833	5.83	4.71	0.3100	90.2	0.00	0.00
BAS 541	002YR01H R	3.17	0.7167	1.39	0.49	2.4600	87.6	0.00	0.00
BAS 541	002YR02H R	3.73	1.2000	1.62	0.65	2.4600	87.6	0.00	0.00
BAS 541	002YR03H R	3.81	1.7000	1.72	0.73	2.4600	87.6	0.00	0.00
BAS 541	002YR06H R	4.47	3.1667	2.06	0.99	2.4600	87.6	0.00	0.00
BAS 541	002YR12H R	4.78	6.1333	2.45	1.32	2.4600	87.6	0.00	0.00
BAS 541	002YR24H R	4.64	12.1000	2.90	1.70	2.4600	87.6	0.00	0.00
BAS 541	010YR01H r	6.48	0.7000	2.02	0.96	2.4600	87.6	0.00	0.00
BAS 541	010YR02H r	7.44	1.2000	2.38	1.26	2.4600	87.6	0.00	0.00
BAS 541	010YR03H r	7.48	1.6833	2.53	1.38	2.4600	87.6	0.00	0.00
BAS 541	010YR06H r	8.36	3.1667	3.04	1.83	2.4600	87.6	0.00	0.00
BAS 541	010YR12H r	8.28	6.1333	3.54	2.28	2.4600	87.6	0.00	0.00
BAS 541	010YR24H r	7.39	12.1000	4.06	2.75	2.4600	87.6	0.00	0.00



Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
BAS 541	1 1/4" 24hr	1.04	12.1167	1.25	0.39	2.4600	87.6	0.00	0.00
BAS 541	100YR01hr	12.42	0.7000	3.01	1.80	2.4600	87.6	0.00	0.00
BAS 541	100YR02hr	14.24	1.2000	3.65	2.38	2.4600	87.6	0.00	0.00
BAS 541	100YR03hr	14.43	1.6833	3.94	2.64	2.4600	87.6	0.00	0.00
BAS 541	100YR06hr	15.64	3.1667	4.79	3.44	2.4600	87.6	0.00	0.00
BAS 541	100YR12hr	14.33	6.1333	5.38	4.00	2.4600	87.6	0.00	0.00
BAS 541	100YR24hr	11.64	12.0833	5.83	4.43	2.4600	87.6	0.00	0.00
BAS 542	002YR01HR	11.74	0.7167	1.39	0.56	7.8800	89.3	0.00	0.00
BAS 542	002YR02HR	13.49	1.2167	1.62	0.74	7.8800	89.3	0.00	0.00
BAS 542	002YR03HR	13.73	1.7000	1.72	0.82	7.8800	89.3	0.00	0.00
BAS 542	002YR06HR	15.66	3.1667	2.06	1.10	7.8800	89.3	0.00	0.00
BAS 542	002YR12HR	16.46	6.1333	2.45	1.44	7.8800	89.3	0.00	0.00
BAS 542	002YR24HR	15.75	12.1000	2.90	1.84	7.8800	89.3	0.00	0.00
BAS 542	010YR01HR	22.79	0.7167	2.02	1.07	7.8800	89.3	0.00	0.00
BAS 542	010YR02HR	25.70	1.2000	2.38	1.38	7.8800	89.3	0.00	0.00
BAS 542	010YR03HR	25.70	1.7000	2.53	1.51	7.8800	89.3	0.00	0.00
BAS 542	010YR06HR	28.20	3.1667	3.04	1.97	7.8800	89.3	0.00	0.00
BAS 542	010YR12HR	27.67	6.1333	3.54	2.43	7.8800	89.3	0.00	0.00
BAS 542	010YR24HR	24.54	12.1000	4.06	2.91	7.8800	89.3	0.00	0.00
BAS 542	1 1/4" 24hr	3.93	12.1167	1.25	0.46	7.8800	89.3	0.00	0.00
BAS 542	100YR01hr	41.91	0.7000	3.01	1.94	7.8800	89.3	0.00	0.00
BAS 542	100YR02hr	47.53	1.2000	3.65	2.53	7.8800	89.3	0.00	0.00
BAS 542	100YR03hr	47.77	1.6833	3.94	2.80	7.8800	89.3	0.00	0.00
BAS 542	100YR06hr	51.30	3.1667	4.79	3.61	7.8800	89.3	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
	r								
BAS 542	100YR12hr	46.80	6.1333	5.38	4.18	7.8800	89.3	0.00	0.00
BAS 542	100YR24hr	37.94	12.1000	5.83	4.61	7.8800	89.3	0.00	0.00
BAS 549	002YR01HR	8.60	0.7167	1.39	0.56	5.7900	89.2	0.00	0.00
BAS 549	002YR02HR	9.90	1.2000	1.62	0.74	5.7900	89.2	0.00	0.00
BAS 549	002YR03HR	10.07	1.7000	1.72	0.82	5.7900	89.2	0.00	0.00
BAS 549	002YR06HR	11.51	3.1667	2.06	1.10	5.7900	89.2	0.00	0.00
BAS 549	002YR12HR	12.10	6.1333	2.45	1.43	5.7900	89.2	0.00	0.00
BAS 549	002YR24HR	11.57	12.1000	2.90	1.83	5.7900	89.2	0.00	0.00
BAS 549	010YR01HR	16.73	0.7167	2.02	1.06	5.7900	89.2	0.00	0.00
BAS 549	010YR02HR	18.90	1.2000	2.38	1.37	5.7900	89.2	0.00	0.00
BAS 549	010YR03HR	18.88	1.7000	2.53	1.50	5.7900	89.2	0.00	0.00
BAS 549	010YR06HR	20.75	3.1667	3.04	1.96	5.7900	89.2	0.00	0.00
BAS 549	010YR12HR	20.35	6.1333	3.54	2.42	5.7900	89.2	0.00	0.00
BAS 549	010YR24HR	18.04	12.1000	4.06	2.91	5.7900	89.2	0.00	0.00
BAS 549	1 1/4" 24hr	2.87	12.1167	1.25	0.46	5.7900	89.2	0.00	0.00
BAS 549	100YR01hr	30.85	0.7000	3.01	1.93	5.7900	89.2	0.00	0.00
BAS 549	100YR02hr	34.98	1.2000	3.65	2.52	5.7900	89.2	0.00	0.00
BAS 549	100YR03hr	35.18	1.6833	3.94	2.79	5.7900	89.2	0.00	0.00
BAS 549	100YR06hr	37.78	3.1667	4.79	3.60	5.7900	89.2	0.00	0.00
BAS 549	100YR12hr	34.45	6.1333	5.38	4.17	5.7900	89.2	0.00	0.00
BAS 549	100YR24hr	27.90	12.1000	5.83	4.61	5.7900	89.2	0.00	0.00
BAS 568	002YR01HR	0.52	0.6333	1.39	0.47	0.3100	87.2	0.00	0.00
BAS 568	002YR02HR	0.61	1.1333	1.62	0.63	0.3100	87.2	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
BAS 568	002YR03H R	0.62	1.6167	1.72	0.70	0.3100	87.2	0.00	0.00
BAS 568	002YR06H R	0.72	3.1000	2.06	0.96	0.3100	87.2	0.00	0.00
BAS 568	002YR12H R	0.74	6.0833	2.45	1.28	0.3100	87.2	0.00	0.00
BAS 568	002YR24H R	0.66	12.0500	2.90	1.67	0.3100	87.2	0.00	0.00
BAS 568	010YR01H r	1.08	0.6333	2.02	0.93	0.3100	87.2	0.00	0.00
BAS 568	010YR02H r	1.23	1.1333	2.38	1.22	0.3100	87.2	0.00	0.00
BAS 568	010YR03H r	1.24	1.6167	2.53	1.35	0.3100	87.2	0.00	0.00
BAS 568	010YR06H r	1.37	3.1000	3.04	1.79	0.3100	87.2	0.00	0.00
BAS 568	010YR12H r	1.28	6.0667	3.54	2.23	0.3100	87.2	0.00	0.00
BAS 568	010YR24H r	1.06	12.0500	4.06	2.71	0.3100	87.2	0.00	0.00
BAS 568	1 1/4" 24hr	0.15	12.0500	1.25	0.38	0.3100	87.2	0.00	0.00
BAS 568	100YR01h r	2.10	0.6333	3.01	1.76	0.3100	87.2	0.00	0.00
BAS 568	100YR02h r	2.38	1.1167	3.65	2.33	0.3100	87.2	0.00	0.00
BAS 568	100YR03h r	2.41	1.6167	3.94	2.60	0.3100	87.2	0.00	0.00
BAS 568	100YR06h r	2.57	3.1000	4.79	3.39	0.3100	87.2	0.00	0.00
BAS 568	100YR12h r	2.22	6.0667	5.38	3.95	0.3100	87.2	0.00	0.00
BAS 568	100YR24h r	1.67	12.0333	5.83	4.38	0.3100	87.2	0.00	0.00
BAS 569	002YR01H R	0.97	0.7000	1.39	0.67	0.5000	91.4	0.00	0.00
BAS 569	002YR02H R	1.09	1.1833	1.62	0.86	0.5000	91.4	0.00	0.00
BAS 569	002YR03H R	1.09	1.6833	1.72	0.95	0.5000	91.4	0.00	0.00
BAS 569	002YR06H R	1.21	3.1500	2.06	1.25	0.5000	91.4	0.00	0.00
BAS 569	002YR12H R	1.23	6.1167	2.45	1.60	0.5000	91.4	0.00	0.00
BAS 569	002YR24H R	1.12	12.0833	2.90	2.01	0.5000	91.4	0.00	0.00
BAS 569	010YR01H	1.78	0.6833	2.02	1.21	0.5000	91.4	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
	r								
BAS 569	010YR02H r	1.96	1.1833	2.38	1.53	0.5000	91.4	0.00	0.00
BAS 569	010YR03H r	1.94	1.6667	2.53	1.67	0.5000	91.4	0.00	0.00
BAS 569	010YR06H r	2.08	3.1500	3.04	2.15	0.5000	91.4	0.00	0.00
BAS 569	010YR12H r	1.98	6.1167	3.54	2.62	0.5000	91.4	0.00	0.00
BAS 569	010YR24H r	1.70	12.0833	4.06	3.12	0.5000	91.4	0.00	0.00
BAS 569	1 1/4" 24hr	0.32	12.1000	1.25	0.56	0.5000	91.4	0.00	0.00
BAS 569	100YR01h r	3.14	0.6833	3.01	2.12	0.5000	91.4	0.00	0.00
BAS 569	100YR02h r	3.47	1.1833	3.65	2.72	0.5000	91.4	0.00	0.00
BAS 569	100YR03h r	3.46	1.6667	3.94	3.00	0.5000	91.4	0.00	0.00
BAS 569	100YR06h r	3.64	3.1500	4.79	3.82	0.5000	91.4	0.00	0.00
BAS 569	100YR12h r	3.26	6.1167	5.38	4.40	0.5000	91.4	0.00	0.00
BAS 569	100YR24h r	2.58	12.0833	5.83	4.84	0.5000	91.4	0.00	0.00
BAS L1	002YR01H R	17.09	0.8333	1.39	0.51	17.4900	88.1	0.00	0.00
BAS L1	002YR02H R	19.90	1.3167	1.62	0.68	17.4900	88.1	0.00	0.00
BAS L1	002YR03H R	20.43	1.8167	1.72	0.75	17.4900	88.1	0.00	0.00
BAS L1	002YR06H R	23.98	3.2833	2.06	1.02	17.4900	88.1	0.00	0.00
BAS L1	002YR12H R	26.38	6.2500	2.45	1.35	17.4900	88.1	0.00	0.00
BAS L1	002YR24H R	27.03	12.1833	2.90	1.74	17.4900	88.1	0.00	0.00
BAS L1	010YR01H r	34.10	0.8167	2.02	0.99	17.4900	88.1	0.00	0.00
BAS L1	010YR02H r	39.12	1.3167	2.38	1.29	17.4900	88.1	0.00	0.00
BAS L1	010YR03H r	39.54	1.8000	2.53	1.42	17.4900	88.1	0.00	0.00
BAS L1	010YR06H r	44.41	3.2833	3.04	1.87	17.4900	88.1	0.00	0.00
BAS L1	010YR12H r	45.50	6.2333	3.54	2.32	17.4900	88.1	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
BAS L1	010YR24Hr	43.08	12.1833	4.06	2.80	17.4900	88.1	0.00	0.00
BAS L1	1 1/4" 24hr	6.09	12.2167	1.25	0.41	17.4900	88.1	0.00	0.00
BAS L1	100YR01hr	64.42	0.8167	3.01	1.84	17.4900	88.1	0.00	0.00
BAS L1	100YR02hr	74.19	1.3167	3.65	2.42	17.4900	88.1	0.00	0.00
BAS L1	100YR03hr	75.61	1.8000	3.94	2.69	17.4900	88.1	0.00	0.00
BAS L1	100YR06hr	82.67	3.2667	4.79	3.49	17.4900	88.1	0.00	0.00
BAS L1	100YR12hr	78.57	6.2333	5.38	4.05	17.4900	88.1	0.00	0.00
BAS L1	100YR24hr	67.74	12.1833	5.83	4.48	17.4900	88.1	0.00	0.00
BAS L3 - Offsite/Existing	002YR01HR	6.28	1.4500	1.39	0.23	31.4500	80.0	0.00	0.00
BAS L3 - Offsite/Existing	002YR02HR	8.02	2.0167	1.62	0.35	31.4500	80.0	0.00	0.00
BAS L3 - Offsite/Existing	002YR03HR	8.28	2.4833	1.72	0.40	31.4500	80.0	0.00	0.00
BAS L3 - Offsite/Existing	002YR06HR	10.73	3.9333	2.06	0.60	31.4500	80.0	0.00	0.00
BAS L3 - Offsite/Existing	002YR12HR	13.45	6.8667	2.45	0.86	31.4500	80.0	0.00	0.00
BAS L3 - Offsite/Existing	002YR24HR	16.07	12.7667	2.90	1.18	31.4500	80.0	0.00	0.00
BAS L3 - Offsite/Existing	010YR01Hr	15.53	1.4167	2.02	0.56	31.4500	80.0	0.00	0.00
BAS L3 - Offsite/Existing	010YR02Hr	19.15	1.9500	2.38	0.81	31.4500	80.0	0.00	0.00
BAS L3 - Offsite/Existing	010YR03Hr	19.72	2.4333	2.53	0.91	31.4500	80.0	0.00	0.00
BAS L3 - Offsite/Existing	010YR06Hr	24.39	3.9000	3.04	1.28	31.4500	80.0	0.00	0.00
BAS L3 -	010YR12H	27.60	6.8333	3.54	1.67	31.4500	80.0	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
Offsite/Existing	r								
BAS L3 - Offsite/Existing	010YR24Hr	29.49	12.7333	4.06	2.10	31.4500	80.0	0.00	0.00
BAS L3 - Offsite/Existing	1 1/4" 24hr	1.63	12.9500	1.25	0.17	31.4500	80.0	0.00	0.00
BAS L3 - Offsite/Existing	100YR01hr	34.16	1.4000	3.01	1.22	31.4500	80.0	0.00	0.00
BAS L3 - Offsite/Existing	100YR02hr	42.53	1.9167	3.65	1.76	31.4500	80.0	0.00	0.00
BAS L3 - Offsite/Existing	100YR03hr	44.64	2.4000	3.94	2.00	31.4500	80.0	0.00	0.00
BAS L3 - Offsite/Existing	100YR06hr	53.35	3.8667	4.79	2.72	31.4500	80.0	0.00	0.00
BAS L3 - Offsite/Existing	100YR12hr	54.52	6.8167	5.38	3.23	31.4500	80.0	0.00	0.00
BAS L3 - Offsite/Existing	100YR24hr	51.66	12.7167	5.83	3.64	31.4500	80.0	0.00	0.00
BAS L3 - onsite	002YR01HR	8.81	0.6500	1.39	0.43	6.0100	86.3	0.00	0.00
BAS L3 - onsite	002YR02HR	10.49	1.1333	1.62	0.59	6.0100	86.3	0.00	0.00
BAS L3 - onsite	002YR03HR	10.81	1.6333	1.72	0.66	6.0100	86.3	0.00	0.00
BAS L3 - onsite	002YR06HR	12.76	3.1167	2.06	0.91	6.0100	86.3	0.00	0.00
BAS L3 - onsite	002YR12HR	13.34	6.0833	2.45	1.23	6.0100	86.3	0.00	0.00
BAS L3 - onsite	002YR24HR	12.24	12.0500	2.90	1.60	6.0100	86.3	0.00	0.00
BAS L3 - onsite	010YR01Hr	18.90	0.6500	2.02	0.88	6.0100	86.3	0.00	0.00
BAS L3 - onsite	010YR02Hr	21.91	1.1333	2.38	1.17	6.0100	86.3	0.00	0.00
BAS L3 - onsite	010YR03Hr	21.99	1.6333	2.53	1.29	6.0100	86.3	0.00	0.00
BAS L3 - onsite	010YR06Hr	24.58	3.1000	3.04	1.72	6.0100	86.3	0.00	0.00
BAS L3 -	010YR12H	23.52	6.0833	3.54	2.16	6.0100	86.3	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
onsite	r								
BAS L3 - onsite	010YR24Hr	19.78	12.0500	4.06	2.63	6.0100	86.3	0.00	0.00
BAS L3 - onsite	1 1/4" 24hr	2.56	12.0667	1.25	0.34	6.0100	86.3	0.00	0.00
BAS L3 - onsite	100YR01hr	37.47	0.6333	3.01	1.70	6.0100	86.3	0.00	0.00
BAS L3 - onsite	100YR02hr	43.17	1.1333	3.65	2.26	6.0100	86.3	0.00	0.00
BAS L3 - onsite	100YR03hr	43.60	1.6167	3.94	2.52	6.0100	86.3	0.00	0.00
BAS L3 - onsite	100YR06hr	47.13	3.1000	4.79	3.31	6.0100	86.3	0.00	0.00
BAS L3 - onsite	100YR12hr	41.24	6.0833	5.38	3.86	6.0100	86.3	0.00	0.00
BAS L3 - onsite	100YR24hr	31.41	12.0500	5.83	4.29	6.0100	86.3	0.00	0.00
BAS L4	002YR01HR	4.64	0.7000	1.39	0.30	5.7700	82.3	0.00	0.00
BAS L4	002YR02HR	5.80	1.1833	1.62	0.42	5.7700	82.3	0.00	0.00
BAS L4	002YR03HR	6.07	1.6667	1.72	0.48	5.7700	82.3	0.00	0.00
BAS L4	002YR06HR	7.80	3.1500	2.06	0.70	5.7700	82.3	0.00	0.00
BAS L4	002YR12HR	8.92	6.1167	2.45	0.98	5.7700	82.3	0.00	0.00
BAS L4	002YR24HR	9.02	12.0833	2.90	1.32	5.7700	82.3	0.00	0.00
BAS L4	010YR01Hr	11.45	0.6833	2.02	0.67	5.7700	82.3	0.00	0.00
BAS L4	010YR02Hr	13.81	1.1667	2.38	0.93	5.7700	82.3	0.00	0.00
BAS L4	010YR03Hr	14.22	1.6667	2.53	1.04	5.7700	82.3	0.00	0.00
BAS L4	010YR06Hr	16.74	3.1500	3.04	1.43	5.7700	82.3	0.00	0.00
BAS L4	010YR12Hr	17.13	6.1167	3.54	1.84	5.7700	82.3	0.00	0.00
BAS L4	010YR24Hr	15.51	12.0667	4.06	2.28	5.7700	82.3	0.00	0.00
BAS L4	1 1/4" 24hr	1.29	12.1000	1.25	0.22	5.7700	82.3	0.00	0.00
BAS L4	100YR01hr	24.96	0.6833	3.01	1.41	5.7700	82.3	0.00	0.00
BAS L4	100YR02hr	30.09	1.1667	3.65	1.93	5.7700	82.3	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
BAS L4	100YR03hr	30.88	1.6667	3.94	2.18	5.7700	82.3	0.00	0.00
BAS L4	100YR06hr	34.85	3.1333	4.79	2.92	5.7700	82.3	0.00	0.00
BAS L4	100YR12hr	32.13	6.1000	5.38	3.45	5.7700	82.3	0.00	0.00
BAS L4	100YR24hr	25.93	12.0667	5.83	3.86	5.7700	82.3	0.00	0.00
CapricornCtDA	002YR01HR	5.68	0.8167	1.39	0.42	6.6700	86.0	0.00	0.00
CapricornCtDA	002YR02HR	6.75	1.3000	1.62	0.57	6.6700	86.0	0.00	0.00
CapricornCtDA	002YR03HR	6.99	1.7833	1.72	0.64	6.6700	86.0	0.00	0.00
CapricornCtDA	002YR06HR	8.45	3.2667	2.06	0.90	6.6700	86.0	0.00	0.00
CapricornCtDA	002YR12HR	9.51	6.2167	2.45	1.21	6.6700	86.0	0.00	0.00
CapricornCtDA	002YR24HR	9.89	12.1667	2.90	1.58	6.6700	86.0	0.00	0.00
CapricornCtDA	010YR01HR	12.10	0.8000	2.02	0.87	6.6700	86.0	0.00	0.00
CapricornCtDA	010YR02HR	14.11	1.2833	2.38	1.15	6.6700	86.0	0.00	0.00
CapricornCtDA	010YR03HR	14.37	1.7833	2.53	1.27	6.6700	86.0	0.00	0.00
CapricornCtDA	010YR06HR	16.46	3.2500	3.04	1.70	6.6700	86.0	0.00	0.00
CapricornCtDA	010YR12HR	17.04	6.2167	3.54	2.14	6.6700	86.0	0.00	0.00
CapricornCtDA	010YR24HR	16.22	12.1667	4.06	2.61	6.6700	86.0	0.00	0.00
CapricornCtDA	1 1/4" 24hr	1.91	12.1833	1.25	0.33	6.6700	86.0	0.00	0.00
CapricornCtDA	100YR01hr	23.88	0.7833	3.01	1.67	6.6700	86.0	0.00	0.00
CapricornCtDA	100YR02hr	28.05	1.2833	3.65	2.24	6.6700	86.0	0.00	0.00
CapricornCtDA	100YR03hr	28.71	1.7667	3.94	2.50	6.6700	86.0	0.00	0.00
CapricornCtDA	100YR06hr	31.85	3.2500	4.79	3.28	6.6700	86.0	0.00	0.00
CapricornCtDA	100YR12hr	30.34	6.2000	5.38	3.83	6.6700	86.0	0.00	0.00
CapricornCtDA	100YR24hr	26.07	12.1667	5.83	4.26	6.6700	86.0	0.00	0.00
Dir30RCP	002YR01HR	0.87	0.7167	1.39	0.19	1.7900	78.2	0.00	0.00



Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
	R								
Dir30RCP	002YR02H R	1.14	1.2000	1.62	0.29	1.7900	78.2	0.00	0.00
Dir30RCP	002YR03H R	1.21	1.6833	1.72	0.34	1.7900	78.2	0.00	0.00
Dir30RCP	002YR06H R	1.68	3.1500	2.06	0.53	1.7900	78.2	0.00	0.00
Dir30RCP	002YR12H R	2.09	6.1167	2.45	0.77	1.7900	78.2	0.00	0.00
Dir30RCP	002YR24H R	2.25	12.0833	2.90	1.07	1.7900	78.2	0.00	0.00
Dir30RCP	010YR01H r	2.54	0.6833	2.02	0.50	1.7900	78.2	0.00	0.00
Dir30RCP	010YR02H r	3.19	1.1833	2.38	0.72	1.7900	78.2	0.00	0.00
Dir30RCP	010YR03H r	3.34	1.6667	2.53	0.82	1.7900	78.2	0.00	0.00
Dir30RCP	010YR06H r	4.16	3.1500	3.04	1.17	1.7900	78.2	0.00	0.00
Dir30RCP	010YR12H r	4.43	6.1167	3.54	1.54	1.7900	78.2	0.00	0.00
Dir30RCP	010YR24H r	4.15	12.0833	4.06	1.95	1.7900	78.2	0.00	0.00
Dir30RCP	1 1/4" 24hr	0.18	12.1167	1.25	0.14	1.7900	78.2	0.00	0.00
Dir30RCP	100YR01h r	6.20	0.6833	3.01	1.15	1.7900	78.2	0.00	0.00
Dir30RCP	100YR02h r	7.76	1.1667	3.65	1.63	1.7900	78.2	0.00	0.00
Dir30RCP	100YR03h r	8.10	1.6667	3.94	1.86	1.7900	78.2	0.00	0.00
Dir30RCP	100YR06h r	9.45	3.1333	4.79	2.56	1.7900	78.2	0.00	0.00
Dir30RCP	100YR12h r	8.90	6.1000	5.38	3.06	1.7900	78.2	0.00	0.00
Dir30RCP	100YR24h r	7.29	12.0667	5.83	3.45	1.7900	78.2	0.00	0.00
DirectE	002YR01H R	0.39	0.9500	1.39	0.16	1.5200	76.7	0.00	0.00
DirectE	002YR02H R	0.50	1.4167	1.62	0.25	1.5200	76.7	0.00	0.00
DirectE	002YR03H R	0.53	1.9000	1.72	0.30	1.5200	76.7	0.00	0.00
DirectE	002YR06H R	0.74	3.3667	2.06	0.47	1.5200	76.7	0.00	0.00
DirectE	002YR12H R	0.97	6.3167	2.45	0.70	1.5200	76.7	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
DirectE	002YR24H R	1.18	12.2500	2.90	0.99	1.5200	76.7	0.00	0.00
DirectE	010YR01H r	1.15	0.9000	2.02	0.45	1.5200	76.7	0.00	0.00
DirectE	010YR02H r	1.43	1.3833	2.38	0.65	1.5200	76.7	0.00	0.00
DirectE	010YR03H r	1.50	1.8667	2.53	0.75	1.5200	76.7	0.00	0.00
DirectE	010YR06H r	1.92	3.3500	3.04	1.08	1.5200	76.7	0.00	0.00
DirectE	010YR12H r	2.19	6.3000	3.54	1.44	1.5200	76.7	0.00	0.00
DirectE	010YR24H r	2.29	12.2333	4.06	1.84	1.5200	76.7	0.00	0.00
DirectE	1 1/4" 24hr	0.07	12.3667	1.25	0.11	1.5200	76.7	0.00	0.00
DirectE	100YR01h r	2.84	0.8833	3.01	1.06	1.5200	76.7	0.00	0.00
DirectE	100YR02h r	3.57	1.3667	3.65	1.52	1.5200	76.7	0.00	0.00
DirectE	100YR03h r	3.78	1.8500	3.94	1.75	1.5200	76.7	0.00	0.00
DirectE	100YR06h r	4.55	3.3333	4.79	2.43	1.5200	76.7	0.00	0.00
DirectE	100YR12h r	4.58	6.2833	5.38	2.92	1.5200	76.7	0.00	0.00
DirectE	100YR24h r	4.17	12.2333	5.83	3.31	1.5200	76.7	0.00	0.00
Ex Pond DA	002YR01H R	11.07	0.7667	1.39	0.29	16.9700	82.0	0.00	0.00
Ex Pond DA	002YR02H R	13.75	1.2500	1.62	0.41	16.9700	82.0	0.00	0.00
Ex Pond DA	002YR03H R	14.44	1.7333	1.72	0.47	16.9700	82.0	0.00	0.00
Ex Pond DA	002YR06H R	18.56	3.2000	2.06	0.69	16.9700	82.0	0.00	0.00
Ex Pond DA	002YR12H R	21.90	6.1667	2.45	0.96	16.9700	82.0	0.00	0.00
Ex Pond DA	002YR24H R	23.26	12.1167	2.90	1.30	16.9700	82.0	0.00	0.00
Ex Pond DA	010YR01H r	27.15	0.7500	2.02	0.66	16.9700	82.0	0.00	0.00
Ex Pond DA	010YR02H r	32.91	1.2333	2.38	0.91	16.9700	82.0	0.00	0.00
Ex Pond DA	010YR03H r	33.85	1.7167	2.53	1.02	16.9700	82.0	0.00	0.00
Ex Pond DA	010YR06H r	40.39	3.2000	3.04	1.41	16.9700	82.0	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
DA	r								
Ex Pond DA	010YR12H r	42.53	6.1667	3.54	1.82	16.9700	82.0	0.00	0.00
Ex Pond DA	010YR24H r	40.49	12.1167	4.06	2.26	16.9700	82.0	0.00	0.00
Ex Pond DA	1 1/4" 24hr	3.12	12.1500	1.25	0.22	16.9700	82.0	0.00	0.00
Ex Pond DA	100YR01h r	59.38	0.7333	3.01	1.39	16.9700	82.0	0.00	0.00
Ex Pond DA	100YR02h r	71.69	1.2167	3.65	1.91	16.9700	82.0	0.00	0.00
Ex Pond DA	100YR03h r	74.27	1.7167	3.94	2.16	16.9700	82.0	0.00	0.00
Ex Pond DA	100YR06h r	84.50	3.1833	4.79	2.90	16.9700	82.0	0.00	0.00
Ex Pond DA	100YR12h r	80.48	6.1500	5.38	3.43	16.9700	82.0	0.00	0.00
Ex Pond DA	100YR24h r	68.07	12.1167	5.83	3.84	16.9700	82.0	0.00	0.00
Ex-01 Basin	002YR01H R	0.40	0.8000	1.39	0.29	0.6800	82.0	0.00	0.00
Ex-01 Basin	002YR02H R	0.50	1.2833	1.62	0.41	0.6800	82.0	0.00	0.00
Ex-01 Basin	002YR03H R	0.52	1.7667	1.72	0.47	0.6800	82.0	0.00	0.00
Ex-01 Basin	002YR06H R	0.67	3.2500	2.06	0.69	0.6800	82.0	0.00	0.00
Ex-01 Basin	002YR12H R	0.80	6.2000	2.45	0.96	0.6800	82.0	0.00	0.00
Ex-01 Basin	002YR24H R	0.86	12.1500	2.90	1.30	0.6800	82.0	0.00	0.00
Ex-01 Basin	010YR01H r	0.98	0.7833	2.02	0.66	0.6800	82.0	0.00	0.00
Ex-01 Basin	010YR02H r	1.18	1.2667	2.38	0.91	0.6800	82.0	0.00	0.00
Ex-01 Basin	010YR03H r	1.22	1.7667	2.53	1.02	0.6800	82.0	0.00	0.00
Ex-01 Basin	010YR06H r	1.46	3.2333	3.04	1.41	0.6800	82.0	0.00	0.00
Ex-01 Basin	010YR12H r	1.55	6.2000	3.54	1.82	0.6800	82.0	0.00	0.00
Ex-01 Basin	010YR24H r	1.51	12.1500	4.06	2.26	0.6800	82.0	0.00	0.00
Ex-01 Basin	1 1/4" 24hr	0.11	12.1833	1.25	0.22	0.6800	82.0	0.00	0.00
Ex-01 Basin	100YR01h r	2.13	0.7667	3.01	1.39	0.6800	82.0	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
Ex-01 Basin	100YR02hr	2.58	1.2667	3.65	1.91	0.6800	82.0	0.00	0.00
Ex-01 Basin	100YR03hr	2.67	1.7500	3.94	2.16	0.6800	82.0	0.00	0.00
Ex-01 Basin	100YR06hr	3.05	3.2333	4.79	2.90	0.6800	82.0	0.00	0.00
Ex-01 Basin	100YR12hr	2.94	6.1833	5.38	3.43	0.6800	82.0	0.00	0.00
Ex-01 Basin	100YR24hr	2.54	12.1333	5.83	3.84	0.6800	82.0	0.00	0.00
Ex-02 Basin	002YR01HR	0.70	0.8333	1.39	0.29	1.2700	82.0	0.00	0.00
Ex-02 Basin	002YR02HR	0.86	1.3167	1.62	0.41	1.2700	82.0	0.00	0.00
Ex-02 Basin	002YR03HR	0.91	1.8000	1.72	0.47	1.2700	82.0	0.00	0.00
Ex-02 Basin	002YR06HR	1.17	3.2833	2.06	0.69	1.2700	82.0	0.00	0.00
Ex-02 Basin	002YR12HR	1.39	6.2333	2.45	0.96	1.2700	82.0	0.00	0.00
Ex-02 Basin	002YR24HR	1.53	12.1833	2.90	1.30	1.2700	82.0	0.00	0.00
Ex-02 Basin	010YR01HR	1.70	0.8167	2.02	0.66	1.2700	82.0	0.00	0.00
Ex-02 Basin	010YR02HR	2.05	1.3000	2.38	0.91	1.2700	82.0	0.00	0.00
Ex-02 Basin	010YR03HR	2.12	1.7833	2.53	1.02	1.2700	82.0	0.00	0.00
Ex-02 Basin	010YR06HR	2.54	3.2667	3.04	1.41	1.2700	82.0	0.00	0.00
Ex-02 Basin	010YR12HR	2.72	6.2167	3.54	1.82	1.2700	82.0	0.00	0.00
Ex-02 Basin	010YR24HR	2.67	12.1667	4.06	2.26	1.2700	82.0	0.00	0.00
Ex-02 Basin	1 1/4" 24hr	0.20	12.2167	1.25	0.22	1.2700	82.0	0.00	0.00
Ex-02 Basin	100YR01hr	3.69	0.8000	3.01	1.39	1.2700	82.0	0.00	0.00
Ex-02 Basin	100YR02hr	4.46	1.2833	3.65	1.91	1.2700	82.0	0.00	0.00
Ex-02 Basin	100YR03hr	4.64	1.7833	3.94	2.16	1.2700	82.0	0.00	0.00
Ex-02 Basin	100YR06hr	5.31	3.2500	4.79	2.90	1.2700	82.0	0.00	0.00
Ex-02 Basin	100YR12hr	5.16	6.2167	5.38	3.43	1.2700	82.0	0.00	0.00
Ex-02 Basin	100YR24hr	4.51	12.1667	5.83	3.84	1.2700	82.0	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
Basin	r								
Ex-03 Basin	002YR01H R	1.24	0.7333	1.39	0.29	1.8100	82.0	0.00	0.00
Ex-03 Basin	002YR02H R	1.55	1.2167	1.62	0.41	1.8100	82.0	0.00	0.00
Ex-03 Basin	002YR03H R	1.62	1.7167	1.72	0.47	1.8100	82.0	0.00	0.00
Ex-03 Basin	002YR06H R	2.09	3.1833	2.06	0.69	1.8100	82.0	0.00	0.00
Ex-03 Basin	002YR12H R	2.45	6.1500	2.45	0.96	1.8100	82.0	0.00	0.00
Ex-03 Basin	002YR24H R	2.57	12.1000	2.90	1.30	1.8100	82.0	0.00	0.00
Ex-03 Basin	010YR01H r	3.06	0.7167	2.02	0.66	1.8100	82.0	0.00	0.00
Ex-03 Basin	010YR02H r	3.71	1.2167	2.38	0.91	1.8100	82.0	0.00	0.00
Ex-03 Basin	010YR03H r	3.82	1.7000	2.53	1.02	1.8100	82.0	0.00	0.00
Ex-03 Basin	010YR06H r	4.54	3.1833	3.04	1.41	1.8100	82.0	0.00	0.00
Ex-03 Basin	010YR12H r	4.75	6.1500	3.54	1.82	1.8100	82.0	0.00	0.00
Ex-03 Basin	010YR24H r	4.47	12.1000	4.06	2.26	1.8100	82.0	0.00	0.00
Ex-03 Basin	1 1/4" 24hr	0.35	12.1333	1.25	0.22	1.8100	82.0	0.00	0.00
Ex-03 Basin	100YR01h r	6.71	0.7167	3.01	1.39	1.8100	82.0	0.00	0.00
Ex-03 Basin	100YR02h r	8.09	1.2000	3.65	1.91	1.8100	82.0	0.00	0.00
Ex-03 Basin	100YR03h r	8.37	1.7000	3.94	2.16	1.8100	82.0	0.00	0.00
Ex-03 Basin	100YR06h r	9.50	3.1667	4.79	2.90	1.8100	82.0	0.00	0.00
Ex-03 Basin	100YR12h r	8.98	6.1333	5.38	3.43	1.8100	82.0	0.00	0.00
Ex-03 Basin	100YR24h r	7.51	12.1000	5.83	3.84	1.8100	82.0	0.00	0.00
Ex-04 Basin	002YR01H R	0.62	0.9333	1.39	0.29	1.3300	82.0	0.00	0.00
Ex-04 Basin	002YR02H R	0.75	1.4000	1.62	0.41	1.3300	82.0	0.00	0.00
Ex-04 Basin	002YR03H R	0.79	1.9000	1.72	0.47	1.3300	82.0	0.00	0.00
Ex-04 Basin	002YR06H R	1.02	3.3667	2.06	0.69	1.3300	82.0	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
Ex-04 Basin	002YR12H R	1.23	6.3167	2.45	0.96	1.3300	82.0	0.00	0.00
Ex-04 Basin	002YR24H R	1.38	12.2500	2.90	1.30	1.3300	82.0	0.00	0.00
Ex-04 Basin	010YR01H r	1.48	0.9000	2.02	0.66	1.3300	82.0	0.00	0.00
Ex-04 Basin	010YR02H r	1.77	1.3833	2.38	0.91	1.3300	82.0	0.00	0.00
Ex-04 Basin	010YR03H r	1.83	1.8833	2.53	1.02	1.3300	82.0	0.00	0.00
Ex-04 Basin	010YR06H r	2.21	3.3500	3.04	1.41	1.3300	82.0	0.00	0.00
Ex-04 Basin	010YR12H r	2.40	6.3000	3.54	1.82	1.3300	82.0	0.00	0.00
Ex-04 Basin	010YR24H r	2.41	12.2500	4.06	2.26	1.3300	82.0	0.00	0.00
Ex-04 Basin	1 1/4" 24hr	0.18	12.3167	1.25	0.22	1.3300	82.0	0.00	0.00
Ex-04 Basin	100YR01h r	3.18	0.8833	3.01	1.39	1.3300	82.0	0.00	0.00
Ex-04 Basin	100YR02h r	3.85	1.3833	3.65	1.91	1.3300	82.0	0.00	0.00
Ex-04 Basin	100YR03h r	4.02	1.8667	3.94	2.16	1.3300	82.0	0.00	0.00
Ex-04 Basin	100YR06h r	4.63	3.3333	4.79	2.90	1.3300	82.0	0.00	0.00
Ex-04 Basin	100YR12h r	4.56	6.3000	5.38	3.43	1.3300	82.0	0.00	0.00
Ex-04 Basin	100YR24h r	4.09	12.2333	5.83	3.84	1.3300	82.0	0.00	0.00
Ex-05 Basin	002YR01H R	0.77	0.8333	1.39	0.29	1.3800	82.0	0.00	0.00
Ex-05 Basin	002YR02H R	0.95	1.3167	1.62	0.41	1.3800	82.0	0.00	0.00
Ex-05 Basin	002YR03H R	1.00	1.8000	1.72	0.47	1.3800	82.0	0.00	0.00
Ex-05 Basin	002YR06H R	1.28	3.2667	2.06	0.69	1.3800	82.0	0.00	0.00
Ex-05 Basin	002YR12H R	1.53	6.2167	2.45	0.96	1.3800	82.0	0.00	0.00
Ex-05 Basin	002YR24H R	1.68	12.1667	2.90	1.30	1.3800	82.0	0.00	0.00
Ex-05 Basin	010YR01H r	1.87	0.8000	2.02	0.66	1.3800	82.0	0.00	0.00
Ex-05 Basin	010YR02H r	2.25	1.3000	2.38	0.91	1.3800	82.0	0.00	0.00
Ex-05 Basin	010YR03H	2.33	1.7833	2.53	1.02	1.3800	82.0	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
Basin	r								
Ex-05 Basin	010YR06Hr	2.79	3.2667	3.04	1.41	1.3800	82.0	0.00	0.00
Ex-05 Basin	010YR12Hr	2.99	6.2167	3.54	1.82	1.3800	82.0	0.00	0.00
Ex-05 Basin	010YR24Hr	2.93	12.1667	4.06	2.26	1.3800	82.0	0.00	0.00
Ex-05 Basin	1 1/4" 24hr	0.22	12.2167	1.25	0.22	1.3800	82.0	0.00	0.00
Ex-05 Basin	100YR01hr	4.06	0.8000	3.01	1.39	1.3800	82.0	0.00	0.00
Ex-05 Basin	100YR02hr	4.92	1.2833	3.65	1.91	1.3800	82.0	0.00	0.00
Ex-05 Basin	100YR03hr	5.10	1.7833	3.94	2.16	1.3800	82.0	0.00	0.00
Ex-05 Basin	100YR06hr	5.84	3.2500	4.79	2.90	1.3800	82.0	0.00	0.00
Ex-05 Basin	100YR12hr	5.66	6.2167	5.38	3.43	1.3800	82.0	0.00	0.00
Ex-05 Basin	100YR24hr	4.94	12.1667	5.83	3.84	1.3800	82.0	0.00	0.00
OffsiteSouth	002YR01HR	2.53	0.9500	1.39	0.15	10.5600	76.0	0.00	0.00
OffsiteSouth	002YR02HR	3.26	1.4167	1.62	0.24	10.5600	76.0	0.00	0.00
OffsiteSouth	002YR03HR	3.46	1.9000	1.72	0.28	10.5600	76.0	0.00	0.00
OffsiteSouth	002YR06HR	4.88	3.3500	2.06	0.45	10.5600	76.0	0.00	0.00
OffsiteSouth	002YR12HR	6.48	6.3000	2.45	0.67	10.5600	76.0	0.00	0.00
OffsiteSouth	002YR24HR	7.98	12.2333	2.90	0.95	10.5600	76.0	0.00	0.00
OffsiteSouth	010YR01Hr	7.68	0.9000	2.02	0.42	10.5600	76.0	0.00	0.00
OffsiteSouth	010YR02Hr	9.59	1.3833	2.38	0.62	10.5600	76.0	0.00	0.00
OffsiteSouth	010YR03Hr	10.08	1.8667	2.53	0.71	10.5600	76.0	0.00	0.00
OffsiteSouth	010YR06Hr	13.01	3.3333	3.04	1.04	10.5600	76.0	0.00	0.00
OffsiteSouth	010YR12Hr	14.91	6.2833	3.54	1.40	10.5600	76.0	0.00	0.00
OffsiteSouth	010YR24Hr	15.69	12.2333	4.06	1.79	10.5600	76.0	0.00	0.00
OffsiteSouth	1 1/4" 24hr	0.38	12.3667	1.25	0.10	10.5600	76.0	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
OffsiteSouth	100YR01hr	19.26	0.8667	3.01	1.02	10.5600	76.0	0.00	0.00
OffsiteSouth	100YR02hr	24.38	1.3500	3.65	1.48	10.5600	76.0	0.00	0.00
OffsiteSouth	100YR03hr	25.88	1.8500	3.94	1.70	10.5600	76.0	0.00	0.00
OffsiteSouth	100YR06hr	31.33	3.3167	4.79	2.37	10.5600	76.0	0.00	0.00
OffsiteSouth	100YR12hr	31.61	6.2667	5.38	2.86	10.5600	76.0	0.00	0.00
OffsiteSouth	100YR24hr	28.81	12.2167	5.83	3.24	10.5600	76.0	0.00	0.00
OnsiteLake2	002YR01HR	14.50	0.7667	1.39	0.41	15.8900	85.6	0.00	0.00
OnsiteLake2	002YR02HR	17.37	1.2500	1.62	0.56	15.8900	85.6	0.00	0.00
OnsiteLake2	002YR03HR	17.98	1.7500	1.72	0.63	15.8900	85.6	0.00	0.00
OnsiteLake2	002YR06HR	21.81	3.2167	2.06	0.87	15.8900	85.6	0.00	0.00
OnsiteLake2	002YR12HR	24.43	6.1833	2.45	1.18	15.8900	85.6	0.00	0.00
OnsiteLake2	002YR24HR	25.04	12.1333	2.90	1.55	15.8900	85.6	0.00	0.00
OnsiteLake2	010YR01HR	31.42	0.7500	2.02	0.84	15.8900	85.6	0.00	0.00
OnsiteLake2	010YR02HR	36.82	1.2500	2.38	1.12	15.8900	85.6	0.00	0.00
OnsiteLake2	010YR03HR	37.43	1.7333	2.53	1.24	15.8900	85.6	0.00	0.00
OnsiteLake2	010YR06HR	42.89	3.2167	3.04	1.67	15.8900	85.6	0.00	0.00
OnsiteLake2	010YR12HR	44.03	6.1667	3.54	2.10	15.8900	85.6	0.00	0.00
OnsiteLake2	010YR24HR	41.24	12.1333	4.06	2.57	15.8900	85.6	0.00	0.00
OnsiteLake2	1 1/4" 24hr	4.72	12.1500	1.25	0.32	15.8900	85.6	0.00	0.00
OnsiteLake2	100YR01hr	62.91	0.7500	3.01	1.64	15.8900	85.6	0.00	0.00
OnsiteLake2	100YR02hr	73.68	1.2333	3.65	2.20	15.8900	85.6	0.00	0.00
OnsiteLake2	100YR03hr	75.44	1.7333	3.94	2.46	15.8900	85.6	0.00	0.00
OnsiteLake2	100YR06hr	83.57	3.2000	4.79	3.24	15.8900	85.6	0.00	0.00
OnsiteLake2	100YR12hr	78.82	6.1667	5.38	3.79	15.8900	85.6	0.00	0.00



Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
e2	r								
OnsiteLake2	100YR24hr	66.47	12.1167	5.83	4.21	15.8900	85.6	0.00	0.00
Pond B Basin	002YR01HR	7.13	0.9833	1.39	0.29	16.4500	82.0	0.00	0.00
Pond B Basin	002YR02HR	8.61	1.4500	1.62	0.41	16.4500	82.0	0.00	0.00
Pond B Basin	002YR03HR	9.01	1.9500	1.72	0.47	16.4500	82.0	0.00	0.00
Pond B Basin	002YR06HR	11.60	3.4167	2.06	0.69	16.4500	82.0	0.00	0.00
Pond B Basin	002YR12HR	14.01	6.3667	2.45	0.96	16.4500	82.0	0.00	0.00
Pond B Basin	002YR24HR	15.85	12.3000	2.90	1.30	16.4500	82.0	0.00	0.00
Pond B Basin	010YR01HR	16.88	0.9500	2.02	0.66	16.4500	82.0	0.00	0.00
Pond B Basin	010YR02HR	20.14	1.4333	2.38	0.91	16.4500	82.0	0.00	0.00
Pond B Basin	010YR03HR	20.83	1.9167	2.53	1.02	16.4500	82.0	0.00	0.00
Pond B Basin	010YR06HR	25.16	3.4000	3.04	1.41	16.4500	82.0	0.00	0.00
Pond B Basin	010YR12HR	27.44	6.3500	3.54	1.82	16.4500	82.0	0.00	0.00
Pond B Basin	010YR24HR	27.86	12.2833	4.06	2.26	16.4500	82.0	0.00	0.00
Pond B Basin	1 1/4" 24hr	2.03	12.3667	1.25	0.22	16.4500	82.0	0.00	0.00
Pond B Basin	100YR01hr	36.14	0.9333	3.01	1.39	16.4500	82.0	0.00	0.00
Pond B Basin	100YR02hr	43.68	1.4167	3.65	1.91	16.4500	82.0	0.00	0.00
Pond B Basin	100YR03hr	45.60	1.9167	3.94	2.16	16.4500	82.0	0.00	0.00
Pond B Basin	100YR06hr	52.79	3.3833	4.79	2.90	16.4500	82.0	0.00	0.00
Pond B Basin	100YR12hr	52.20	6.3333	5.38	3.43	16.4500	82.0	0.00	0.00
Pond B Basin	100YR24hr	47.21	12.2833	5.83	3.84	16.4500	82.0	0.00	0.00
Pr-YI-Ex316	002YR01HR	1.72	0.7667	1.39	0.42	1.8300	86.0	0.00	0.00
Pr-YI-Ex316	002YR02HR	2.04	1.2500	1.62	0.57	1.8300	86.0	0.00	0.00
Pr-YI-Ex316	002YR03HR	2.12	1.7500	1.72	0.64	1.8300	86.0	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
Pr-YI-Ex316	002YR06H R	2.55	3.2167	2.06	0.90	1.8300	86.0	0.00	0.00
Pr-YI-Ex316	002YR12H R	2.85	6.1833	2.45	1.21	1.8300	86.0	0.00	0.00
Pr-YI-Ex316	002YR24H R	2.91	12.1333	2.90	1.58	1.8300	86.0	0.00	0.00
Pr-YI-Ex316	010YR01H r	3.67	0.7667	2.02	0.87	1.8300	86.0	0.00	0.00
Pr-YI-Ex316	010YR02H r	4.29	1.2500	2.38	1.15	1.8300	86.0	0.00	0.00
Pr-YI-Ex316	010YR03H r	4.35	1.7500	2.53	1.27	1.8300	86.0	0.00	0.00
Pr-YI-Ex316	010YR06H r	4.97	3.2167	3.04	1.70	1.8300	86.0	0.00	0.00
Pr-YI-Ex316	010YR12H r	5.09	6.1833	3.54	2.14	1.8300	86.0	0.00	0.00
Pr-YI-Ex316	010YR24H r	4.77	12.1333	4.06	2.61	1.8300	86.0	0.00	0.00
Pr-YI-Ex316	1 1/4" 24hr	0.57	12.1500	1.25	0.33	1.8300	86.0	0.00	0.00
Pr-YI-Ex316	100YR01h r	7.28	0.7500	3.01	1.67	1.8300	86.0	0.00	0.00
Pr-YI-Ex316	100YR02h r	8.51	1.2500	3.65	2.24	1.8300	86.0	0.00	0.00
Pr-YI-Ex316	100YR03h r	8.69	1.7333	3.94	2.50	1.8300	86.0	0.00	0.00
Pr-YI-Ex316	100YR06h r	9.60	3.2167	4.79	3.28	1.8300	86.0	0.00	0.00
Pr-YI-Ex316	100YR12h r	9.05	6.1667	5.38	3.83	1.8300	86.0	0.00	0.00
Pr-YI-Ex316	100YR24h r	7.65	12.1333	5.83	4.26	1.8300	86.0	0.00	0.00
Pr-YI-Ex317	002YR01H R	7.51	0.7500	1.39	0.44	7.1600	86.4	0.00	0.00
Pr-YI-Ex317	002YR02H R	8.95	1.2333	1.62	0.59	7.1600	86.4	0.00	0.00
Pr-YI-Ex317	002YR03H R	9.20	1.7167	1.72	0.66	7.1600	86.4	0.00	0.00
Pr-YI-Ex317	002YR06H R	11.03	3.2000	2.06	0.92	7.1600	86.4	0.00	0.00
Pr-YI-Ex317	002YR12H R	12.13	6.1667	2.45	1.23	7.1600	86.4	0.00	0.00
Pr-YI-Ex317	002YR24H R	12.18	12.1167	2.90	1.61	7.1600	86.4	0.00	0.00
Pr-YI-Ex317	010YR01H r	15.93	0.7333	2.02	0.89	7.1600	86.4	0.00	0.00
Pr-YI-Ex317	010YR02H r	18.48	1.2333	2.38	1.17	7.1600	86.4	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
7	r								
Pr-YI-Ex317	010YR03Hr	18.75	1.7167	2.53	1.30	7.1600	86.4	0.00	0.00
Pr-YI-Ex317	010YR06Hr	21.23	3.1833	3.04	1.73	7.1600	86.4	0.00	0.00
Pr-YI-Ex317	010YR12Hr	21.53	6.1500	3.54	2.17	7.1600	86.4	0.00	0.00
Pr-YI-Ex317	010YR24Hr	19.79	12.1167	4.06	2.64	7.1600	86.4	0.00	0.00
Pr-YI-Ex317	1 1/4" 24hr	2.46	12.1333	1.25	0.35	7.1600	86.4	0.00	0.00
Pr-YI-Ex317	100YR01hr	31.30	0.7333	3.01	1.71	7.1600	86.4	0.00	0.00
Pr-YI-Ex317	100YR02hr	36.43	1.2167	3.65	2.27	7.1600	86.4	0.00	0.00
Pr-YI-Ex317	100YR03hr	37.07	1.7167	3.94	2.53	7.1600	86.4	0.00	0.00
Pr-YI-Ex317	100YR06hr	40.79	3.1833	4.79	3.32	7.1600	86.4	0.00	0.00
Pr-YI-Ex317	100YR12hr	38.03	6.1500	5.38	3.87	7.1600	86.4	0.00	0.00
Pr-YI-Ex317	100YR24hr	31.59	12.1167	5.83	4.30	7.1600	86.4	0.00	0.00
SMB - Direct Discharge	002YR01HR	15.19	0.7500	1.39	0.42	15.0800	86.0	0.00	0.00
SMB - Direct Discharge	002YR02HR	18.16	1.2333	1.62	0.57	15.0800	86.0	0.00	0.00
SMB - Direct Discharge	002YR03HR	18.71	1.7333	1.72	0.64	15.0800	86.0	0.00	0.00
SMB - Direct Discharge	002YR06HR	22.57	3.2000	2.06	0.90	15.0800	86.0	0.00	0.00
SMB - Direct Discharge	002YR12HR	24.97	6.1667	2.45	1.21	15.0800	86.0	0.00	0.00
SMB - Direct Discharge	002YR24HR	25.18	12.1167	2.90	1.58	15.0800	86.0	0.00	0.00
SMB - Direct Discharge	010YR01Hr	32.61	0.7333	2.02	0.87	15.0800	86.0	0.00	0.00
SMB - Direct Discharge	010YR02Hr	37.97	1.2333	2.38	1.15	15.0800	86.0	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
SMB - Direct Discharge	010YR03Hr	38.58	1.7167	2.53	1.27	15.0800	86.0	0.00	0.00
SMB - Direct Discharge	010YR06Hr	43.87	3.1833	3.04	1.70	15.0800	86.0	0.00	0.00
SMB - Direct Discharge	010YR12Hr	44.63	6.1500	3.54	2.14	15.0800	86.0	0.00	0.00
SMB - Direct Discharge	010YR24Hr	41.17	12.1167	4.06	2.61	15.0800	86.0	0.00	0.00
SMB - Direct Discharge	1 1/4" 24hr	4.94	12.1333	1.25	0.33	15.0800	86.0	0.00	0.00
SMB - Direct Discharge	100YR01hr	64.66	0.7333	3.01	1.67	15.0800	86.0	0.00	0.00
SMB - Direct Discharge	100YR02hr	75.51	1.2167	3.65	2.24	15.0800	86.0	0.00	0.00
SMB - Direct Discharge	100YR03hr	76.97	1.7167	3.94	2.50	15.0800	86.0	0.00	0.00
SMB - Direct Discharge	100YR06hr	84.94	3.1833	4.79	3.28	15.0800	86.0	0.00	0.00
SMB - Direct Discharge	100YR12hr	79.33	6.1500	5.38	3.83	15.0800	86.0	0.00	0.00
SMB - Direct Discharge	100YR24hr	66.01	12.1167	5.83	4.26	15.0800	86.0	0.00	0.00
SouthFar mFieldF	002YR01HR	0.66	0.9333	1.39	0.15	2.6900	76.0	0.00	0.00
SouthFar mFieldF	002YR02HR	0.85	1.4000	1.62	0.24	2.6900	76.0	0.00	0.00
SouthFar mFieldF	002YR03HR	0.91	1.8833	1.72	0.28	2.6900	76.0	0.00	0.00
SouthFar mFieldF	002YR06HR	1.28	3.3333	2.06	0.45	2.6900	76.0	0.00	0.00
SouthFar mFieldF	002YR12HR	1.70	6.2833	2.45	0.67	2.6900	76.0	0.00	0.00
SouthFar mFieldF	002YR24HR	2.09	12.2333	2.90	0.95	2.6900	76.0	0.00	0.00
SouthFar mFieldF	010YR01Hr	2.02	0.8833	2.02	0.42	2.6900	76.0	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
SouthFar mFieldF	010YR02H r	2.53	1.3500	2.38	0.62	2.6900	76.0	0.00	0.00
SouthFar mFieldF	010YR03H r	2.65	1.8500	2.53	0.71	2.6900	76.0	0.00	0.00
SouthFar mFieldF	010YR06H r	3.42	3.3167	3.04	1.04	2.6900	76.0	0.00	0.00
SouthFar mFieldF	010YR12H r	3.92	6.2667	3.54	1.40	2.6900	76.0	0.00	0.00
SouthFar mFieldF	010YR24H r	4.11	12.2167	4.06	1.79	2.6900	76.0	0.00	0.00
SouthFar mFieldF	1 1/4" 24hr	0.10	12.3500	1.25	0.10	2.6900	76.0	0.00	0.00
SouthFar mFieldF	100YR01h r	5.07	0.8500	3.01	1.02	2.6900	76.0	0.00	0.00
SouthFar mFieldF	100YR02h r	6.43	1.3333	3.65	1.48	2.6900	76.0	0.00	0.00
SouthFar mFieldF	100YR03h r	6.82	1.8333	3.94	1.70	2.6900	76.0	0.00	0.00
SouthFar mFieldF	100YR06h r	8.25	3.3000	4.79	2.37	2.6900	76.0	0.00	0.00
SouthFar mFieldF	100YR12h r	8.31	6.2667	5.38	2.86	2.6900	76.0	0.00	0.00
SouthFar mFieldF	100YR24h r	7.53	12.2000	5.83	3.24	2.6900	76.0	0.00	0.00
Sub405	002YR01H R	0.35	0.7000	1.39	0.20	0.6800	78.4	0.00	0.00
Sub405	002YR02H R	0.46	1.1833	1.62	0.30	0.6800	78.4	0.00	0.00
Sub405	002YR03H R	0.49	1.6667	1.72	0.35	0.6800	78.4	0.00	0.00
Sub405	002YR06H R	0.68	3.1500	2.06	0.53	0.6800	78.4	0.00	0.00
Sub405	002YR12H R	0.84	6.1167	2.45	0.78	0.6800	78.4	0.00	0.00
Sub405	002YR24H R	0.89	12.0667	2.90	1.08	0.6800	78.4	0.00	0.00
Sub405	010YR01H r	1.02	0.6833	2.02	0.51	0.6800	78.4	0.00	0.00
Sub405	010YR02H r	1.29	1.1667	2.38	0.73	0.6800	78.4	0.00	0.00
Sub405	010YR03H r	1.34	1.6500	2.53	0.83	0.6800	78.4	0.00	0.00
Sub405	010YR06H r	1.67	3.1333	3.04	1.18	0.6800	78.4	0.00	0.00
Sub405	010YR12H r	1.76	6.1000	3.54	1.56	0.6800	78.4	0.00	0.00
Sub405	010YR24H	1.63	12.0667	4.06	1.97	0.6800	78.4	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
	r								
Sub405	1 1/4" 24hr	0.08	12.1167	1.25	0.14	0.6800	78.4	0.00	0.00
Sub405	100YR01hr	2.50	0.6667	3.01	1.16	0.6800	78.4	0.00	0.00
Sub405	100YR02hr	3.11	1.1667	3.65	1.64	0.6800	78.4	0.00	0.00
Sub405	100YR03hr	3.25	1.6500	3.94	1.87	0.6800	78.4	0.00	0.00
Sub405	100YR06hr	3.77	3.1333	4.79	2.57	0.6800	78.4	0.00	0.00
Sub405	100YR12hr	3.53	6.1000	5.38	3.08	0.6800	78.4	0.00	0.00
Sub405	100YR24hr	2.85	12.0667	5.83	3.47	0.6800	78.4	0.00	0.00
US-Str400	002YR01HR	1.18	0.6833	1.39	0.20	2.1600	78.7	0.00	0.00
US-Str400	002YR02HR	1.55	1.1667	1.62	0.31	2.1600	78.7	0.00	0.00
US-Str400	002YR03HR	1.65	1.6667	1.72	0.36	2.1600	78.7	0.00	0.00
US-Str400	002YR06HR	2.27	3.1333	2.06	0.55	2.1600	78.7	0.00	0.00
US-Str400	002YR12HR	2.76	6.1000	2.45	0.79	2.1600	78.7	0.00	0.00
US-Str400	002YR24HR	2.90	12.0667	2.90	1.10	2.1600	78.7	0.00	0.00
US-Str400	010YR01HR	3.41	0.6667	2.02	0.52	2.1600	78.7	0.00	0.00
US-Str400	010YR02HR	4.28	1.1667	2.38	0.74	2.1600	78.7	0.00	0.00
US-Str400	010YR03HR	4.46	1.6500	2.53	0.84	2.1600	78.7	0.00	0.00
US-Str400	010YR06HR	5.51	3.1333	3.04	1.20	2.1600	78.7	0.00	0.00
US-Str400	010YR12HR	5.78	6.1000	3.54	1.58	2.1600	78.7	0.00	0.00
US-Str400	010YR24HR	5.29	12.0667	4.06	1.99	2.1600	78.7	0.00	0.00
US-Str400	1 1/4" 24hr	0.26	12.1000	1.25	0.15	2.1600	78.7	0.00	0.00
US-Str400	100YR01hr	8.25	0.6667	3.01	1.18	2.1600	78.7	0.00	0.00
US-Str400	100YR02hr	10.26	1.1500	3.65	1.66	2.1600	78.7	0.00	0.00
US-Str400	100YR03hr	10.68	1.6500	3.94	1.89	2.1600	78.7	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
US-Str400	100YR06hr	12.35	3.1167	4.79	2.60	2.1600	78.7	0.00	0.00
US-Str400	100YR12hr	11.46	6.1000	5.38	3.10	2.1600	78.7	0.00	0.00
US-Str400	100YR24hr	9.20	12.0667	5.83	3.50	2.1600	78.7	0.00	0.00

Pipe Link: 400A-400		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 741.50 ft	Invert: 740.42 ft
From Node:	Str400A	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	Str400	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:	90.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0130	Manning's N: 0.0130
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0130	Manning's N: 0.0130
Comment:			

Pipe Link: 401-NinevahRd		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 740.09 ft	Invert: 740.03 ft
From Node:	Outlet1	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	NinevahRdBasin	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:	20.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0130	Manning's N: 0.0130
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0130	Manning's N: 0.0130
Comment:			

Pipe Link: 403-401		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 741.11 ft	Invert: 740.13 ft
From Node:	PR403	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	Outlet1	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:	414.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0130	Manning's N: 0.0130
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: 0.0130	Manning's N: 0.0130
Comment:			

Pipe Link: 405-403		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 747.12 ft	Invert: 744.54 ft
From Node:	PR405	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	PR403	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:	52.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0130	Manning's N: 0.0130
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0130	Manning's N: 0.0130
Comment:			

Pipe Link: 461-462		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 734.69 ft	Invert: 734.37 ft
From Node:	STR 461	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	STR 462	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:	120.00 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:
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Pipe Link: 462-463		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 734.27 ft	Invert: 734.19 ft
From Node:	STR 462	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	STR 463	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:	29.20 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:
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Pipe Link: 463-464		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 734.09 ft	Invert: 734.04 ft
From Node:	STR 463	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	STR 464	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:	0.20	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:
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Pipe Link: 464-465		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 733.94 ft	Invert: 733.73 ft

From Node:	STR 464	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	STR 465	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:	179.20 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: 465-466		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 733.63 ft	Invert: 733.26 ft
From Node:	STR 465	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	STR 466	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:	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:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: 466-467		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 733.16 ft	Invert: 733.09 ft
From Node:	STR 466	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	STR 467	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:	28.00 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:  
Manning's N: 0.0000Ref Node:  
Manning's N: 0.0000

Comment:

Pipe Link: 467-468		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 732.99 ft	Invert: 732.86 ft
From Node:	STR 467	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	STR 468	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:	157.66 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: 468-469		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 732.76 ft	Invert: 732.70 ft
From Node:	STR 468	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	STR 469	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:	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:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: 469-471		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 732.60 ft	Invert: 732.13 ft
From Node:	STR 469	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	STR 471	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:	225.48 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:	471-472	Upstream		Downstream	
Scenario:	Section 5A Interim	Invert:	732.03 ft	Invert:	731.93 ft
From Node:	STR 471	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	STR 472	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:	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:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link:	472-473	Upstream		Downstream	
Scenario:	Section 5A Interim	Invert:	731.83 ft	Invert:	731.80 ft
From Node:	STR 472	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	STR 473	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:	28.00 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: 473-474	Upstream	Downstream
Scenario: Section 5A Interim	Invert: 731.70 ft	Invert: 731.54 ft
From Node: STR 473	Manning's N: 0.0120	Manning's N: 0.0120
To Node: STR 474	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: 177.68 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: 474-504	Upstream	Downstream
Scenario: Section 5A Interim	Invert: 731.44 ft	Invert: 731.23 ft
From Node: STR 474	Manning's N: 0.0120	Manning's N: 0.0120
To Node: STR 504	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: 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: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: 501-569	Upstream	Downstream
Scenario: Section 5A Interim	Invert: 730.51 ft	Invert: 730.34 ft
From Node: STR 501	Manning's N: 0.0120	Manning's N: 0.0120
To Node: STR 569	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:	146.00 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: 503-501	Upstream	Downstream
Scenario: Section 5A Interim	Invert: 730.98 ft	Invert: 730.61 ft
From Node: STR 503	Manning's N: 0.0120	Manning's N: 0.0120
To Node: STR 501	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: 152.00 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: 504-503	Upstream	Downstream
Scenario: Section 5A Interim	Invert: 731.13 ft	Invert: 731.08 ft
From Node: STR 504	Manning's N: 0.0120	Manning's N: 0.0120
To Node: STR 503	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: 28.00 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: 512-Outlet4		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 725.20 ft	Invert: 725.00 ft
From Node:	STR 512	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	Outlet 4	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:	99.15 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:	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: 515-514		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 729.05 ft	Invert: 729.00 ft
From Node:	STR 515	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	Lake 4	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:	49.70 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: 516-515		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 729.19 ft	Invert: 729.15 ft
From Node:	STR 515	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	STR 516	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:	49.42 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:
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Pipe Link: 517-516		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 729.40 ft	Invert: 729.29 ft
From Node:	STR 516	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	STR 517	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:	138.21 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:
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Pipe Link: 521-517		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 729.98 ft	Invert: 729.50 ft
From Node:	STR 517	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	STR 521	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:	271.00 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:
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Pipe Link: 522-521		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 730.31 ft	Invert: 730.08 ft



From Node:	STR 521	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	STR 522	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:	280.00 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: 523-522		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 730.69 ft	Invert: 730.44 ft
From Node:	STR 522	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	STR 523	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:	284.45 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: 524-523		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 730.82 ft	Invert: 730.79 ft
From Node:	STR 523	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	STR 524	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:	32.54 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:  
Manning's N: 0.0000Ref Node:  
Manning's N: 0.0000

Comment:

Pipe Link: 525-524		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 730.95 ft	Invert: 730.92 ft
From Node:	STR 524	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	STR 525	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:	28.00 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: 526-525		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 731.21 ft	Invert: 731.05 ft
From Node:	STR 525	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	STR 526	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:	151.00 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: 539-Lake4		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 729.26 ft	Invert: 729.00 ft
From Node:	STR 539	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	Lake 4	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:	234.00 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:	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:	540-539	Upstream		Downstream	
Scenario:	Section 5A Interim	Invert:	729.38 ft	Invert:	729.36 ft
From Node:	STR 540	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	STR 539	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:	28.00 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:	541-540	Upstream		Downstream	
Scenario:	Section 5A Interim	Invert:	729.57 ft	Invert:	729.48 ft
From Node:	STR 541	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	STR 540	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:	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:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: 549-541	Upstream	Downstream
Scenario: Section 5A Interim	Invert: 729.80 ft	Invert: 729.67 ft
From Node: STR 549	Manning's N: 0.0120	Manning's N: 0.0120
To Node: STR 541	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: 224.00 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: 568-549	Upstream	Downstream
Scenario: Section 5A Interim	Invert: 730.12 ft	Invert: 729.90 ft
From Node: STR 568	Manning's N: 0.0120	Manning's N: 0.0120
To Node: STR 549	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: 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: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: 569-568	Upstream	Downstream
Scenario: Section 5A Interim	Invert: 730.24 ft	Invert: 730.22 ft
From Node: STR 569	Manning's N: 0.0120	Manning's N: 0.0120
To Node: STR 568	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:	28.00 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: AriesBlvd		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 734.50 ft	Invert: 734.47 ft
From Node:	CI-Ex319	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	CI-Ex318	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:	29.00 ft	Op Table:	
FHWA Code:	0	Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0130
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:	0.0130
Comment:			

Pipe Link: EX3-Ex2 42"		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 733.34 ft	Invert: 732.91 ft
From Node:	YI-Ex-03	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	CI-EX-02	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:	184.00 ft	Op Table:	
FHWA Code:	0	Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0130
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:	0.0130
Comment:			

Pipe Link: EX8-Ex9 24"		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 734.47 ft	Invert: 734.01 ft
From Node:	CI-Ex318	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	YI-Ex317	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: 0.0130	Manning's N: 0.0130
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0130	Manning's N: 0.0130
Comment:			

Pipe Link: Ex1-Pond B		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 732.95 ft	Invert: 732.75 ft
From Node:	CI-Ex-01	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	Ex Pond B	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:	189.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0130	Manning's N: 0.0130
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: 0.0130	Manning's N: 0.0130
Comment:			

Pipe Link: Ex4-Ex3 36"		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 733.37 ft	Invert: 733.34 ft
From Node:	CI-Ex-04	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	YI-Ex-03	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:	185.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0130	Manning's N: 0.0130
Exit Loss Coef:	0.50	Top Clip	

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0130	Manning's N:	0.0130

Comment:
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Pipe Link: Ex6-Ex5 30"		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 733.55 ft	Invert: 733.40 ft
From Node:	YI-Ex316	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	CI-Ex-05	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:	135.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0130	Manning's N: 0.0130
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0130	Manning's N: 0.0130

Comment:
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Pipe Link: Ex7-Ex6 30"		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 734.01 ft	Invert: 733.55 ft
From Node:	YI-Ex317	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	YI-Ex316	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:	333.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0130	Manning's N: 0.0130
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0130	Manning's N: 0.0130

Comment:
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Pipe Link: ExPond1Outlet		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 734.60 ft	Invert: 734.50 ft

From Node:	Ex Pond A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CI-Ex319	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:	167.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0130	Manning's N:	0.0130
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0130	Manning's N:	0.0130
Comment:					

Drop Structure Link: L1 - EastOutlet		Upstream Pipe		Downstream Pipe	
Scenario:	Section 5A Interim	Invert:	742.00 ft	Invert:	741.50 ft
From Node:	Lake 1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Str400A	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0130	Manning's N:	0.0130
Length:	252.00 ft	Top Clip			
FHWA Code:	1	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:	0.0130	Manning's N:	0.0130
Bend Location:	0.00 dec				
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:	Circular	Default:	0.00 ft
Invert:	742.00 ft	Op Table:	
Control Elevation:	742.00 ft	Ref Node:	
Max Depth:	0.50 ft	Discharge Coefficients	
		Weir Default:	3.200
		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: Sharp Crested Vertical  
Geometry Type: Circular  
Invert: 744.20 ft  
Control Elevation: 744.20 ft  
Max Depth: 0.63 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:

## Weir Component

Weir: 3  
Weir Count: 3  
Weir Flow Direction: Both  
Damping: 0.0000 ft  
Weir Type: Sharp Crested Vertical  
Geometry Type: Rectangular  
Invert: 747.10 ft  
Control Elevation: 747.10 ft  
Max Depth: 0.40 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:

Weir Comment:

## Weir Component

Weir: 4  
Weir Count: 1  
Weir Flow Direction: Both  
Damping: 0.0000 ft  
Weir Type: Horizontal  
Geometry Type: Rectangular  
Invert: 748.00 ft  
Control Elevation: 748.00 ft  
Max Depth: 4.00 ft  
Max Width: 4.00 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:

Drop Structure Link: L2-ExPondA		Upstream Pipe	Downstream Pipe
Scenario:	Section 5A Interim	Invert: 735.00 ft	Invert: 734.79 ft
From Node:	Lake 2	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	STR 461	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.00 ft	Max Depth: 1.00 ft
Flow Direction:	Both	Bottom Clip	
Solution:	Combine	Default: 0.00 ft	Default: 0.00 ft
Increments:	10	Op Table:	Op Table:
Pipe Count:	1	Ref Node:	Ref Node:
Damping:	0.0000 ft	Manning's N: 0.0120	Manning's N: 0.0120
Length:	78.92 ft	Top Clip	
FHWA Code:	1	Default: 0.00 ft	Default: 0.00 ft
Entr Loss Coef:	0.20	Op Table:	Op Table:
Exit Loss Coef:	0.50	Ref Node:	Ref Node:
Bend Loss Coef:	0.00	Manning's N: 0.0120	Manning's N: 0.0120
Bend Location:	0.00 dec		
Energy Switch:	Energy		

Pipe Comment:

Weir Component	
Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Circular
Invert:	735.00 ft
Control Elevation:	735.00 ft
Max Depth:	0.67 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	
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: L3-526		Upstream Pipe	Downstream Pipe
Scenario:	Section 5A Interim	Invert: 731.50 ft	Invert: 731.21 ft
From Node:	Lake 3	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	STR 526	Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	50.00 ft	Top 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				
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:	Circular	Default: 0.00 ft
Invert:	731.50 ft	Op Table:
Control Elevation:	731.50 ft	Ref Node:
Max Depth:	1.00 ft	Discharge Coefficients
		Weir Default: 3.200
		Weir Table:
		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:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	734.50 ft	Op Table:	
Control Elevation:	734.50 ft	Ref Node:	
Max Depth:	0.25 ft	Discharge Coefficients	
Max Width:	1.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	
Weir Comment:			

Weir Component					
Weir:	3	Bottom Clip			
Weir Count:	1	Default:	0.00 ft		

Weir Flow Direction: Both  
 Damping: 0.0000 ft  
 Weir Type: Horizontal  
 Geometry Type: Rectangular  
 Invert: 734.75 ft  
 Control Elevation: 734.75 ft  
 Max Depth: 3.00 ft  
 Max Width: 3.00 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:

Weir Comment:

Drop Structure Comment:

Drop Structure Link: Lake 4 - 512		Upstream Pipe	Downstream Pipe
Scenario:	Section 5A Interim	Invert: 728.00 ft	Invert: 727.93 ft
From Node:	Lake 4	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	STR 512	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Solution:	Combine	Default: 0.00 ft	Default: 0.00 ft
Increments:	0	Op Table:	Op Table:
Pipe Count:	1	Ref Node:	Ref Node:
Damping:	0.0000 ft	Manning's N: 0.0000	Manning's N: 0.0000
Length:	22.00 ft	Top 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		
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:	729.00 ft	Ref Node:
Control Elevation:	729.00 ft	Discharge Coefficients
Max Depth:	0.50 ft	Weir Default: 3.200
Max Width:	0.50 ft	Weir Table:
Fillet:	0.00 ft	

Orifice Default: 0.600

Orifice Table:

Weir Comment:

## Weir Component

Weir: 2  
 Weir Count: 2  
 Weir Flow Direction: Both  
 Damping: 0.0000 ft  
 Weir Type: Sharp Crested Vertical  
 Geometry Type: Rectangular  
 Invert: 730.00 ft  
 Control Elevation: 730.00 ft  
 Max Depth: 1.50 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:

Weir Comment:

Drop Structure Comment:

## Pipe Link: NinevahCMP

## Upstream

## Downstream

Scenario: Section 5A Interim  
 From Node: NinevahRdBasin  
 To Node: EastFarmField  
 Link Count: 1  
 Flow Direction: Both  
 Damping: 0.0000 ft  
 Length: 78.00 ft  
 FHWA Code: 30  
 Entr Loss Coef: 0.20  
 Exit Loss Coef: 1.00  
 Bend Loss Coef: 0.00  
 Bend Location: 0.00 dec  
 Energy Switch: Energy

Invert: 738.30 ft

Manning's N: 0.0250

Geometry: Horizontal Ellipse

Max Depth: 2.42 ft

## Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0250

## Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0250

Invert: 736.80 ft

Manning's N: 0.0250

Geometry: Horizontal Ellipse

Max Depth: 2.42 ft

## Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0250

## Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0250

Comment:

## Pipe Link: Outlet2-PondB

## Upstream

## Downstream

Scenario: Section 5A Interim  
 From Node: Outlet2  
 To Node: Ex Pond B  
 Link Count: 1

Invert: 736.50 ft

Manning's N: 0.0120

Geometry: Circular

Max Depth: 2.50 ft

Invert: 732.50 ft

Manning's N: 0.0120

Geometry: Circular

Max Depth: 2.50 ft

Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 413.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.20	Manning's N: 0.0130	Manning's N: 0.0130
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: 0.0130	Manning's N: 0.0130
Comment:		

Pipe Link: Pond B Outlet	Upstream	Downstream
Scenario: Section 5A Interim	Invert: 732.77 ft	Invert: 730.91 ft
From Node: Ex Pond B	Manning's N: 0.0120	Manning's N: 0.0120
To Node: DS Ex CB	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: 0.0130	Manning's N: 0.0130
Exit Loss Coef: 0.50	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0130	Manning's N: 0.0130
Comment:		

Channel Link: RearDitch	Upstream	Downstream
Scenario: Section 5A Interim	Invert: 740.42 ft	Invert: 736.50 ft
From Node: Str400	Manning's N: 0.0280	Manning's N: 0.0280
To Node: Outlet2	Geometry: Trapezoidal	Geometry: Trapezoidal
Link Count: 1	Max Depth: 9999.00 ft	Max Depth: 9999.00 ft
Flow Direction: Both	Extrapolation: Normal	Extrapolation: Normal
Damping: 0.0000 ft	Bottom Width: 0.00 ft	Bottom Width: 0.00 ft
Length: 380.00 ft	Left Slope: 5.000 (h:v)	Left Slope: 5.000 (h:v)
Contraction Coef: 0.10	Right Slope: 5.000 (h:v)	Right Slope: 5.000 (h:v)
Expansion Coef: 0.30	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: 0.0280	Manning's N: 0.0280
Energy Switch: Energy	Top Clip	
	Default: 0.00 ft	Default: 0.00 ft

Op Table:  
Ref Node:  
Manning's N: 0.0280

Op Table:  
Ref Node:  
Manning's N: 0.0280

Comment:

Pipe Link: Virgo Dr		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 733.40 ft	Invert: 733.37 ft
From Node:	CI-Ex-05	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	CI-Ex-04	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:	29.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.20	Manning's N: 0.0130	Manning's N: 0.0130
Exit Loss Coef:	0.50	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0130	Manning's N: 0.0130

Comment:

Weir Link: Weir-L4-Outlet			
Scenario:	Section 5A Interim	Bottom Clip	
From Node:	Lake 4	Default:	0.00 ft
To Node:	Outlet 4	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:	Trapezoidal	Ref Node:	
Invert:	735.00 ft	Discharge Coefficients	
Control Elevation:	735.00 ft	Weir Default:	2.800
Max Depth:	2.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	30.00 ft	Orifice Table:	
Left Slope:	4.000 (h:v)		
Right Slope:	4.000 (h:v)		

Comment:

Pipe Link: WindstarDr		Upstream	Downstream
Scenario:	Section 5A Interim	Invert: 732.91 ft	Invert: 732.95 ft

From Node:	CI-EX-02	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	CI-Ex-01	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:	36.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0130	Manning's N:	0.0130
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0130	Manning's N:	0.0130

Comment:

Link Min/Max Conditions with Times [Section 5A Interim]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
400A-400	002YR01HR	0.88	0.00	0.01	2.68	3.93	1.6452	0.0000	0.7790	1.6623	1.6650
400A-400	002YR02HR	1.03	0.00	0.01	2.79	4.11	2.4331	0.0000	1.2493	2.4429	2.4514
400A-400	002YR03HR	1.08	0.00	0.01	2.83	4.17	3.3576	0.0000	1.7328	3.4049	3.4049
400A-400	002YR06HR	1.22	0.00	0.01	2.92	4.33	6.1773	0.0000	3.1633	6.0556	6.1816
400A-400	002YR12HR	1.49	0.00	0.01	3.09	4.60	8.8022	0.0000	6.0157	8.8230	8.8230
400A-400	002YR24HR	2.00	0.00	-0.02	3.34	5.01	14.0085	0.0000	41.5148	14.1889	14.1889
400A-400	010YR01Hr	1.42	0.00	0.01	3.04	4.52	1.6420	0.0000	0.7082	1.6736	1.6736
400A-400	010YR02Hr	2.38	0.00	0.01	3.51	5.28	2.3941	0.0000	1.1767	2.4181	2.4093
400A-400	010YR03Hr	2.55	0.00	0.01	3.58	5.38	3.2640	0.0000	1.6518	3.3070	3.2939
400A-400	010YR06Hr	3.00	0.00	0.01	3.75	5.65	5.1088	0.0000	3.0326	5.2629	5.1829
400A-400	010YR12Hr	3.29	0.00	0.01	3.84	5.80	7.7547	0.0000	5.5489	7.7653	7.7653
400A-400	010YR24Hr	3.51	0.00	0.02	3.92	5.91	13.7208	0.0000	44.6289	13.7445	13.7853
400A-400	1 1/4" 24hr	0.52	0.00	0.01	2.33	1.84	14.3030	0.0000	12.2747	14.4094	14.3414



Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
400A-400	100YR0 1hr	3.48	0.00	0.01	3.91	5.89	1.5695	0.0000	0.6560	1.6343	1.6343
400A-400	100YR0 2hr	4.16	0.00	0.01	4.12	6.20	2.3770	0.0000	1.1035	2.4053	2.4082
400A-400	100YR0 3hr	4.76	0.00	0.01	4.28	6.45	3.2363	0.0000	1.5415	3.2430	3.2566
400A-400	100YR0 6hr	9.05	0.00	-0.11	5.27	7.71	4.2398	0.0000	3.8352	4.2427	4.2427
400A-400	100YR1 2hr	10.29	0.00	-0.11	5.51	7.98	7.1076	0.0000	6.6504	7.1277	7.1378
400A-400	100YR2 4hr	10.06	0.00	0.11	5.47	7.93	13.0034	0.0000	14.1443	13.0364	13.0364
401-NinevahRd	002YR0 1HR	1.24	0.00	0.01	1.92	2.97	0.9439	0.0000	1.0302	0.9442	0.9442
401-NinevahRd	002YR0 2HR	1.58	0.00	0.01	2.05	3.15	1.4041	0.0000	1.6378	1.4054	1.4054
401-NinevahRd	002YR0 3HR	1.68	0.00	0.01	2.08	3.20	1.8914	0.0000	2.1404	1.8926	1.8926
401-NinevahRd	002YR0 6HR	2.34	0.00	0.01	2.27	3.47	3.3563	0.0000	3.7475	3.3574	3.3574
401-NinevahRd	002YR1 2HR	3.08	0.00	0.01	2.43	3.80	6.2969	0.0000	6.3514	6.2976	6.2976
401-NinevahRd	002YR2 4HR	3.79	0.00	-0.01	2.58	4.00	12.2245	0.0000	12.0962	12.2253	12.2253
401-NinevahRd	010YR0 1Hr	3.66	0.00	0.01	2.55	3.97	0.8899	0.0000	1.0545	0.8901	0.8906
401-NinevahRd	010YR0 2Hr	4.54	0.00	0.01	2.72	4.24	1.3717	0.0000	1.4015	1.3467	1.3469
401-NinevahRd	010YR0 3Hr	4.77	0.00	0.01	2.76	4.29	1.8585	0.0000	1.9405	1.8586	1.8587
401-NinevahRd	010YR0 6Hr	6.09	0.00	-0.02	2.98	4.63	3.3436	0.0000	3.2320	3.3437	3.3437
401-NinevahRd	010YR1 2Hr	6.99	0.00	-0.02	3.13	4.81	6.2902	0.0000	6.1510	6.2903	6.2903
401-NinevahRd	010YR2 4Hr	7.35	0.00	0.02	3.18	4.92	12.2366	0.0000	12.2675	12.2112	12.2114
401-NinevahRd	1 1/4" 24hr	0.21	0.00	0.00	1.26	1.80	12.3780	0.0000	12.1867	12.3803	12.3803
401-NinevahRd	100YR0 1hr	8.86	0.00	0.02	3.41	5.24	0.9023	0.0000	0.9945	0.9024	0.9026
401-NinevahRd	100YR0 2hr	10.65	0.00	0.03	3.71	5.59	1.4008	0.0000	1.4623	1.4009	1.4010
401-NinevahRd	100YR0 3hr	11.15	0.00	0.03	3.80	5.67	1.8907	0.0000	2.0013	1.8907	1.8908
401-NinevahRd	100YR0	12.82	0.00	-0.04	4.14	6.01	3.3706	0.0000	3.4405	3.3707	3.4006

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
evahRd	6hr										
401-Nin evahRd	100YR1 2hr	12.90	0.00	0.04	4.16	6.01	6.3288	0.0000	6.2769	6.3289	6.3740
401-Nin evahRd	100YR2 4hr	12.10	0.00	-0.03	3.98	5.88	12.2684	0.0000	12.1987	12.2684	12.2684
403-401	002YR0 1HR	0.85	0.00	0.00	2.47	2.28	0.8971	0.0000	0.6438	0.9304	0.6912
403-401	002YR0 2HR	1.09	0.00	0.00	2.64	2.43	1.3601	0.0000	1.1595	1.3893	1.1678
403-401	002YR0 3HR	1.16	0.00	0.00	2.68	2.46	1.8512	0.0000	1.6578	1.8719	1.6574
403-401	002YR0 6HR	1.62	0.00	0.00	2.91	2.59	3.3165	0.0000	3.1030	3.3331	3.1176
403-401	002YR1 2HR	2.15	0.00	0.00	3.09	2.38	6.2459	0.0000	5.9738	6.2498	6.0269
403-401	002YR2 4HR	2.65	0.00	0.00	3.22	2.03	12.1867	0.0000	12.2942	12.1788	12.0741
403-401	010YR0 1Hr	2.53	0.00	0.00	3.19	2.81	0.8551	0.0000	0.6116	0.8505	0.6366
403-401	010YR0 2Hr	3.15	0.00	0.00	3.32	2.92	1.3368	0.0000	1.0913	1.3101	1.1192
403-401	010YR0 3Hr	3.30	0.00	0.00	3.34	2.93	1.8250	0.0000	1.5794	1.7876	1.6073
403-401	010YR0 6Hr	4.19	0.00	0.00	3.43	2.70	3.3227	0.0000	3.0293	3.2944	3.0577
403-401	010YR1 2Hr	4.82	0.00	0.00	3.49	2.39	6.2665	0.0000	6.4532	6.2093	6.0963
403-401	010YR2 4Hr	5.08	0.00	0.00	3.50	2.30	12.2114	0.0000	12.4207	12.1479	12.1529
403-401	1 1/4" 24hr	0.15	0.00	0.00	1.34	1.70	12.3272	0.0000	12.1269	12.4003	12.2144
403-401	100YR0 1hr	6.04	0.00	-0.01	3.54	3.24	0.8963	0.0000	0.5965	0.7385	0.6005
403-401	100YR0 2hr	7.16	0.00	-0.01	3.57	3.22	1.4204	0.0000	1.0720	1.1911	1.0747
403-401	100YR0 3hr	7.45	0.00	0.00	3.57	2.95	1.9194	0.0000	1.5220	1.6723	1.5803
403-401	100YR0 6hr	8.45	0.00	0.00	3.57	2.79	3.4321	0.0000	3.7795	3.1231	3.5181
403-401	100YR1 2hr	8.51	0.00	-0.01	3.56	2.80	6.3740	0.0000	6.7488	6.0728	6.4372
403-401	100YR2 4hr	8.05	0.00	0.00	3.54	2.72	12.3086	0.0000	12.6330	12.0043	12.3666
405-403	002YR0 1HR	0.85	0.00	0.01	3.04	6.99	0.8794	0.0000	0.5936	0.8932	0.8932

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
405-403	002YR0 2HR	1.10	0.00	-0.01	3.29	7.51	1.3425	0.0000	2.4152	1.3478	1.3450
405-403	002YR0 3HR	1.17	0.00	0.01	3.35	7.65	1.8378	0.0000	1.5654	1.8415	1.8415
405-403	002YR0 6HR	1.62	0.00	-0.01	3.74	8.40	3.3017	0.0000	6.2276	3.3074	3.3074
405-403	002YR1 2HR	2.15	0.00	-0.03	4.15	9.10	6.2265	0.0000	6.1443	6.2398	6.2398
405-403	002YR2 4HR	2.66	0.00	-0.04	4.54	9.65	12.1700	0.0000	12.1006	12.1708	12.1700
405-403	010YR0 1Hr	2.54	0.00	-0.04	4.45	9.56	0.8385	0.0000	0.7938	0.8435	0.7938
405-403	010YR0 2Hr	3.16	0.00	-0.04	4.92	10.11	1.3206	0.0000	1.1731	1.3215	1.3206
405-403	010YR0 3Hr	3.31	0.00	-0.04	5.04	10.24	1.8086	0.0000	1.6555	1.8122	1.8142
405-403	010YR0 6Hr	4.20	0.00	-0.08	5.59	10.89	3.3046	0.0000	3.1813	3.1812	3.3046
405-403	010YR1 2Hr	4.84	0.00	-0.08	6.16	11.27	6.2486	0.0000	6.0965	6.2486	6.2486
405-403	010YR2 4Hr	5.10	0.00	-0.08	6.49	11.41	12.1967	0.0000	12.0239	12.1967	12.2020
405-403	1 1/4" 24hr	0.14	0.00	0.01	1.86	0.00	12.3042	0.0000	12.1350	12.4333	0.0000
405-403	100YR0 1hr	6.05	0.00	-0.08	7.70	11.86	0.8783	0.0000	0.6394	0.8783	0.8827
405-403	100YR0 2hr	7.16	0.00	-0.08	9.11	12.25	1.4012	0.0000	1.1028	1.4012	1.4071
405-403	100YR0 3hr	7.45	0.00	-0.08	9.49	12.32	1.8998	0.0000	1.5872	1.8998	1.9043
405-403	100YR0 6hr	8.43	0.00	-0.08	10.74	12.48	3.4030	0.0000	3.0417	3.4030	3.4144
405-403	100YR1 2hr	8.48	0.00	-0.08	10.80	12.48	6.3588	0.0000	5.9844	6.3588	6.3679
405-403	100YR2 4hr	8.04	0.00	-0.08	10.23	12.44	12.2889	0.0000	11.8990	12.2889	12.2928
461-462	002YR0 1HR	0.26	-0.09	0.01	1.55	2.11	1.8134	0.7738	0.8375	1.0201	1.8841
461-462	002YR0 2HR	0.45	-0.21	0.01	1.73	2.53	2.6373	1.2637	1.3102	2.5289	2.5669
461-462	002YR0 3HR	0.53	-0.23	0.01	1.84	2.59	3.4967	1.7683	1.7976	3.5957	3.0467
461-462	002YR0 6HR	0.82	-0.45	0.01	2.15	2.69	6.3482	3.2230	3.2729	6.4535	3.9914
461-462	002YR1	1.01	-0.54	0.01	2.29	2.78	12.1961	6.1631	6.2775	12.3158	6.7825

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
	2HR										
461-462	002YR2 4HR	1.15	-0.26	0.01	2.36	2.75	17.7089	12.0627	12.2426	18.1775	12.6822
461-462	010YR0 1Hr	0.98	-1.61	0.00	2.31	-3.14	1.1040	0.8398	1.0102	1.1983	0.7146
461-462	010YR0 2Hr	1.26	-2.23	0.00	-2.83	-3.36	1.6413	1.3187	1.5690	1.3187	1.1894
461-462	010YR0 3Hr	1.30	-2.29	0.00	-2.91	-3.36	2.1340	1.8083	2.0622	1.8083	1.6778
461-462	010YR0 6Hr	1.55	-2.71	0.00	-3.45	-3.45	3.6808	3.2615	3.5879	3.2615	3.2615
461-462	010YR1 2Hr	1.70	-2.69	0.00	-3.43	-3.43	6.6694	6.2086	6.5557	6.2086	6.2086
461-462	010YR2 4Hr	1.83	-2.48	0.00	-3.15	-3.15	12.5949	12.1694	12.4640	12.1694	12.1694
461-462	1 1/4" 24hr	0.12	0.00	0.00	1.20	1.72	23.9553	0.0000	14.3019	23.9553	19.2855
461-462	100YR0 1hr	2.08	-3.10	0.01	-3.95	-4.08	1.5081	0.7262	1.3757	0.7262	0.6605
461-462	100YR0 2hr	2.26	-3.20	0.01	-4.07	-4.10	2.2069	1.1951	2.0761	1.1951	1.1333
461-462	100YR0 3hr	2.28	-3.19	0.01	-4.06	-4.06	2.7195	1.6829	2.5910	1.6829	1.6829
461-462	100YR0 6hr	2.51	-3.15	0.01	-4.01	-4.01	4.3458	3.1500	4.2139	3.1500	3.1500
461-462	100YR1 2hr	2.57	-2.96	0.01	-3.76	-3.76	7.2648	6.1030	7.1301	6.1030	6.1030
461-462	100YR2 4hr	2.52	-2.65	0.01	-3.38	-3.38	13.0370	12.0352	12.8939	12.0352	12.0352
462-463	002YR0 1HR	0.26	-0.59	0.01	1.43	-2.61	1.8783	0.6936	0.7763	1.1994	0.6759
462-463	002YR0 2HR	0.45	-0.72	0.01	1.65	-2.73	2.7160	1.1738	1.2637	2.7303	1.1551
462-463	002YR0 3HR	0.53	-0.73	0.01	1.73	-2.73	3.5824	1.6621	1.7996	3.5987	1.6427
462-463	002YR0 6HR	0.82	-0.83	0.02	1.95	3.00	6.3914	3.1281	3.2697	6.4207	6.1472
462-463	002YR1 2HR	1.01	-0.73	0.01	2.08	3.21	12.3192	6.1571	6.2758	11.5622	12.3340
462-463	002YR2 4HR	1.16	-0.59	0.01	2.18	3.26	12.3599	12.0636	12.2350	16.3696	24.4101
462-463	010YR0 1Hr	1.39	-2.09	0.00	-2.66	-3.28	1.1002	0.8112	2.9704	0.8112	0.6381
462-463	010YR0 2Hr	1.64	-3.04	0.00	-3.87	-3.87	1.6552	1.2861	1.4905	1.2861	1.2861

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
462-463	010YR0 3Hr	1.69	-3.14	0.00	-4.00	-4.00	2.1443	1.7740	1.9820	1.7740	1.7740
462-463	010YR0 6Hr	1.94	-3.89	0.01	-4.95	-4.95	3.6304	3.2407	3.4398	3.2407	3.2407
462-463	010YR1 2Hr	2.13	-3.96	0.01	-5.05	-5.05	6.6063	6.1958	6.4353	6.1958	6.1958
462-463	010YR2 4Hr	2.27	-3.48	0.01	-4.44	-4.44	12.5280	12.1433	12.3351	12.1433	12.1433
462-463	1 1/4" 24hr	0.12	-0.08	0.00	1.16	1.81	23.9994	12.1311	12.1850	23.9994	21.2472
462-463	100YR0 1hr	3.26	-5.16	0.03	-6.57	-6.57	1.4411	0.7011	1.3639	0.7011	0.7011
462-463	100YR0 2hr	3.29	-5.46	0.02	-6.96	-6.96	2.1640	1.1651	2.0679	1.1651	1.1651
462-463	100YR0 3hr	3.29	-5.49	0.02	-6.99	-6.99	2.6771	1.6520	2.5837	1.6520	1.6520
462-463	100YR0 6hr	3.55	-5.49	0.01	-6.99	-6.99	4.3043	3.1138	4.2074	3.1138	3.1138
462-463	100YR1 2hr	3.60	-5.07	0.01	-6.46	-6.46	7.2237	6.0695	7.1201	6.0695	6.0695
462-463	100YR2 4hr	3.47	-4.38	0.01	-5.58	-5.58	12.9961	12.0115	12.8861	12.0115	12.0115
463-464	002YR0 1HR	1.16	0.00	0.00	1.88	2.76	0.7509	0.0000	0.7751	0.6322	0.6150
463-464	002YR0 2HR	1.28	0.00	0.00	1.88	2.70	1.3384	0.0000	1.3161	1.1104	1.0893
463-464	002YR0 3HR	1.31	0.00	0.00	1.83	2.51	1.8306	0.0000	1.7559	1.5944	1.5631
463-464	002YR0 6HR	1.45	0.00	0.01	1.80	2.24	3.3231	0.0000	3.2493	6.0578	6.6919
463-464	002YR1 2HR	1.75	0.00	0.01	1.89	2.31	6.3823	0.0000	6.2734	11.9153	11.7934
463-464	002YR2 4HR	2.03	0.00	0.01	1.95	2.36	12.3488	0.0000	12.2324	16.4199	17.4043
463-464	010YR0 1Hr	2.29	-0.88	0.03	2.03	2.91	1.0668	0.8096	0.8682	0.5987	0.5834
463-464	010YR0 2Hr	2.71	-1.82	0.03	1.98	2.36	1.5786	1.2848	1.3561	2.0706	1.0331
463-464	010YR0 3Hr	2.80	-1.90	0.02	2.02	2.39	2.0737	1.7740	1.8472	3.0602	3.5738
463-464	010YR0 6Hr	3.24	-2.59	0.03	2.11	2.49	3.6149	3.2453	3.4360	6.0280	6.0189
463-464	010YR1 2Hr	3.47	-2.57	0.02	2.15	2.55	6.5939	6.1952	6.4289	10.0082	11.8000
463-464	010YR2	3.58	-2.01	0.02	2.19	2.58	12.5158	12.1439	12.3297	16.4063	17.4881

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
	4Hr										
463-464	1 1/4" 24hr	0.45	0.00	0.00	1.44	1.79	12.0961	0.0000	11.8289	12.0494	11.8884
463-464	100YR0 1hr	5.40	-2.76	0.02	3.06	3.06	1.3986	0.6988	1.3635	1.3986	1.3986
463-464	100YR0 2hr	5.20	-2.79	-0.07	2.94	2.94	2.1008	1.1624	1.4001	2.1008	2.1008
463-464	100YR0 3hr	5.24	-2.93	-0.05	2.97	2.97	2.6167	1.6491	1.9250	2.6167	2.6167
463-464	100YR0 6hr	5.49	-3.04	-0.06	3.11	3.11	4.2526	3.1106	3.3486	4.2526	4.2526
463-464	100YR1 2hr	5.48	-3.01	-0.06	3.10	3.10	7.1692	6.0662	6.3001	7.1692	7.1692
463-464	100YR2 4hr	5.26	-2.61	-0.04	2.98	2.98	12.9357	12.0088	12.2139	12.9357	12.9357
464-465	002YR0 1HR	2.26	0.00	0.00	1.84	2.01	0.7730	0.0000	0.9304	0.9280	1.4807
464-465	002YR0 2HR	2.47	0.00	0.00	1.84	2.36	1.2612	0.0000	1.4093	1.4750	2.4711
464-465	002YR0 3HR	2.48	0.00	0.00	1.84	2.43	1.7535	0.0000	1.8976	1.9803	3.3759
464-465	002YR0 6HR	2.67	0.00	0.00	1.88	2.72	3.2817	0.0000	3.2587	3.5286	6.3835
464-465	002YR1 2HR	2.82	0.00	0.00	1.94	2.86	6.3701	0.0000	6.2773	6.5267	12.4515
464-465	002YR2 4HR	3.11	0.00	0.01	2.01	2.90	12.3281	0.0000	12.2296	12.4790	24.4758
464-465	010YR0 1Hr	3.65	0.00	0.01	2.04	2.77	1.0358	0.0000	0.8662	1.1905	1.6425
464-465	010YR0 2Hr	4.13	-0.61	0.03	2.09	2.95	1.5839	1.2822	1.3550	1.7301	2.8545
464-465	010YR0 3Hr	4.21	-0.70	0.02	2.10	2.99	2.0785	1.7679	1.8464	2.2107	3.8113
464-465	010YR0 6Hr	4.67	-1.40	0.03	2.17	3.12	3.6116	3.2338	3.2526	3.7380	6.7601
464-465	010YR1 2Hr	4.91	-1.42	0.04	2.20	3.18	6.5910	6.1844	6.4287	6.7218	12.6605
464-465	010YR2 4Hr	5.02	-0.85	0.03	2.23	3.19	12.5129	12.1232	12.1612	12.6429	24.6853
464-465	1 1/4" 24hr	0.83	0.00	0.00	1.64	1.90	12.1403	0.0000	11.9739	12.1439	11.8998
464-465	100YR0 1hr	8.31	-1.77	0.09	3.46	3.46	1.3803	0.6985	0.6997	1.3803	1.3803
464-465	100YR0 2hr	7.99	-2.03	0.12	3.32	3.32	2.0840	1.1621	1.1634	2.0840	2.0840

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
464-465	100YR0 3hr	8.03	-2.34	0.12	3.34	3.34	2.5999	1.6487	1.6504	2.5999	2.5999
464-465	100YR0 6hr	8.19	-2.76	0.13	3.41	3.41	4.2282	3.1102	3.1123	4.2282	6.9305
464-465	100YR1 2hr	8.08	-2.69	0.10	3.36	3.44	7.1442	6.0659	6.0683	7.1442	12.8029
464-465	100YR2 4hr	7.78	-1.95	0.06	3.23	3.42	12.9069	12.0086	12.0104	12.9069	24.7349
465-466	002YR0 1HR	5.48	0.00	-0.01	3.08	3.69	0.7644	0.0000	0.9304	0.7163	0.6436
465-466	002YR0 2HR	6.31	0.00	-0.01	3.14	3.79	1.2499	0.0000	1.4093	1.1920	1.1241
465-466	002YR0 3HR	6.45	0.00	-0.01	3.14	3.74	1.7389	0.0000	1.8976	1.6787	1.6081
465-466	002YR0 6HR	7.38	0.00	-0.01	3.17	3.38	3.2079	0.0000	3.2969	3.1409	3.0556
465-466	002YR1 2HR	7.81	0.00	-0.01	3.16	3.08	6.1637	0.0000	6.2398	6.1048	6.0107
465-466	002YR2 4HR	7.81	0.00	-0.01	3.12	2.94	12.1207	0.0000	12.1872	12.0312	12.0205
465-466	010YR0 1Hr	9.63	0.00	-0.01	3.34	4.07	0.7187	0.0000	0.7566	0.6557	0.6090
465-466	010YR0 2Hr	10.29	0.00	-0.01	3.34	3.91	1.2009	0.0000	1.5727	1.1342	1.0782
465-466	010YR0 3Hr	10.25	0.00	-0.01	3.31	3.55	1.6877	0.0000	2.0678	1.6226	1.5559
465-466	010YR0 6Hr	10.59	0.00	-0.01	3.37	3.37	3.1455	0.0000	3.4356	3.1455	3.1455
465-466	010YR1 2Hr	10.72	0.00	-0.02	3.41	3.41	6.4241	0.0000	6.4288	6.4241	6.4241
465-466	010YR2 4Hr	9.15	0.00	-0.01	3.14	3.01	12.0160	0.0000	12.3297	11.9557	11.9818
465-466	1 1/4" 24hr	1.92	0.00	0.01	2.46	2.84	12.1492	0.0000	11.9170	12.1792	12.0177
465-466	100YR0 1hr	18.17	-4.24	-0.11	5.78	5.78	1.3423	0.7339	0.7151	1.3423	1.3423
465-466	100YR0 2hr	18.20	-4.80	-0.13	5.79	5.79	2.0073	1.1906	1.1784	2.0073	2.0073
465-466	100YR0 3hr	18.27	-4.82	-0.14	5.82	5.82	2.5191	1.6766	1.6644	2.5191	2.5191
465-466	100YR0 6hr	18.61	-4.98	-0.13	5.93	5.93	4.1138	3.1360	3.1247	4.1138	4.1138
465-466	100YR1 2hr	18.18	-4.63	-0.09	5.79	5.79	7.0299	6.0959	6.0809	7.0299	7.0299
465-466	100YR2	17.51	-3.31	-0.06	5.57	5.57	12.8137	12.0550	12.0303	12.8137	12.8137

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
	4hr										
466-467	002YR0 1HR	6.07	0.00	-0.01	2.85	3.49	0.7778	0.0000	0.9304	0.7071	0.6681
466-467	002YR0 2HR	7.01	0.00	-0.01	2.93	3.47	1.2615	0.0000	1.2899	1.1907	1.1516
466-467	002YR0 3HR	7.16	0.00	-0.01	2.93	3.39	1.7512	0.0000	1.7840	1.7106	1.6404
466-467	002YR0 6HR	8.17	0.00	-0.01	3.02	3.23	3.2151	0.0000	3.3102	3.1845	3.1693
466-467	002YR1 2HR	8.60	0.00	-0.01	3.04	3.22	6.1671	0.0000	6.2398	6.1396	6.1293
466-467	002YR2 4HR	8.50	0.00	-0.01	2.96	3.12	12.1191	0.0000	12.1736	12.0759	12.0579
466-467	010YR0 1Hr	10.68	0.00	-0.01	3.40	3.56	0.7260	0.0000	0.7550	0.7260	0.6468
466-467	010YR0 2Hr	11.29	0.00	-0.01	3.59	3.63	1.1976	0.0000	1.2120	1.1976	1.1837
466-467	010YR0 3Hr	11.22	0.00	-0.01	3.57	3.61	1.6735	0.0000	1.6978	1.6735	1.6714
466-467	010YR0 6Hr	11.43	0.00	0.01	3.64	3.64	3.1421	0.0000	3.3073	3.1421	3.1421
466-467	010YR1 2Hr	12.01	0.00	0.01	3.82	3.82	6.4270	0.0000	6.2694	6.4270	6.4270
466-467	010YR2 4Hr	10.44	0.00	0.02	3.32	3.32	12.3283	0.0000	12.2193	12.3283	12.3283
466-467	1 1/4" 24hr	2.13	0.00	0.00	2.26	2.65	12.1683	0.0000	12.0494	12.1544	12.0309
466-467	100YR0 1hr	18.78	-2.04	-0.09	5.98	5.98	1.3415	0.7396	0.7151	1.3415	1.3415
466-467	100YR0 2hr	19.39	-2.52	-0.12	6.17	6.17	1.8256	1.1958	1.1784	1.8256	1.8256
466-467	100YR0 3hr	19.71	-2.55	-0.13	6.27	6.27	2.3351	1.6818	1.6644	2.3351	2.3351
466-467	100YR0 6hr	20.83	-2.74	-0.09	6.63	6.63	3.9293	3.1416	3.1252	3.9293	3.9293
466-467	100YR1 2hr	20.08	-2.49	-0.06	6.39	6.39	6.8398	6.1017	6.0817	6.8398	6.8398
466-467	100YR2 4hr	18.58	-1.18	-0.04	5.91	5.91	12.6272	12.0620	12.0324	12.6272	12.6272
467-468	002YR0 1HR	6.22	0.00	-0.01	2.33	2.60	0.7906	0.0000	0.9304	0.7692	0.6805
467-468	002YR0 2HR	7.14	0.00	-0.01	2.39	2.66	1.2704	0.0000	1.3124	1.2416	1.1584
467-468	002YR0 3HR	7.30	0.00	-0.01	2.40	2.66	1.7587	0.0000	1.8073	1.7266	1.6417



Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
467-468	002YR0 6HR	8.22	0.00	-0.01	2.45	2.59	3.2163	0.0000	3.3117	3.1787	3.1131
467-468	002YR1 2HR	8.61	0.00	0.01	2.48	2.60	6.1629	0.0000	6.2787	6.1197	6.0927
467-468	002YR2 4HR	8.54	0.00	0.01	2.46	2.59	12.1084	0.0000	12.2272	12.0437	12.0255
467-468	010YR0 1Hr	10.45	0.00	0.02	2.57	2.86	0.7244	0.0000	0.8595	0.6971	0.6369
467-468	010YR0 2Hr	11.18	0.00	0.01	2.62	2.91	1.1891	0.0000	1.3487	1.1735	1.1026
467-468	010YR0 3Hr	11.11	0.00	0.02	2.62	2.81	1.6759	0.0000	1.8385	1.6535	1.5894
467-468	010YR0 6Hr	11.79	0.00	0.02	2.66	2.80	3.4360	0.0000	3.3044	3.1123	3.0900
467-468	010YR1 2Hr	12.94	0.00	0.02	2.64	2.76	6.4289	0.0000	6.2616	6.4289	6.0436
467-468	010YR2 4Hr	11.35	0.00	0.01	2.53	2.65	12.3298	0.0000	12.2134	11.9588	11.9408
467-468	1 1/4" 24hr	2.18	0.00	0.00	1.84	2.13	12.1869	0.0000	12.0541	12.1825	12.0730
467-468	100YR0 1hr	19.27	-2.18	-0.06	3.92	3.92	1.3360	0.7413	0.7151	1.3360	1.3360
467-468	100YR0 2hr	20.54	-2.98	-0.08	4.19	4.19	1.7779	1.2167	1.1784	1.7779	1.7779
467-468	100YR0 3hr	21.00	-2.98	-0.08	4.28	4.28	2.2852	1.7015	1.6644	2.2852	2.2852
467-468	100YR0 6hr	22.48	-3.26	-0.08	4.58	4.58	3.8674	3.1692	3.1254	3.8674	3.8674
467-468	100YR1 2hr	21.53	-2.42	0.07	4.39	4.39	6.7796	6.1252	6.7093	6.7796	6.7796
467-468	100YR2 4hr	19.46	-0.64	0.04	3.96	3.96	12.5796	12.0741	12.5182	12.5796	12.5796
468-469	002YR0 1HR	7.81	0.00	-0.01	2.76	3.11	0.7954	0.0000	0.9304	0.7755	0.7692
468-469	002YR0 2HR	8.91	0.00	-0.01	2.84	3.16	1.2725	0.0000	1.3300	1.2482	1.2384
468-469	002YR0 3HR	9.08	0.00	-0.01	2.85	3.17	1.7604	0.0000	1.8241	1.7336	1.7249
468-469	002YR0 6HR	10.12	0.00	-0.01	2.90	3.20	3.2177	0.0000	3.3143	3.1830	3.1706
468-469	002YR1 2HR	10.49	0.00	-0.01	2.90	3.22	6.1636	0.0000	12.2168	6.1227	6.1048
468-469	002YR2 4HR	10.31	0.00	0.01	2.86	3.20	12.1079	0.0000	12.2255	12.0437	12.0145
468-469	010YR0	12.71	0.00	0.02	3.06	3.31	0.7195	0.0000	0.8564	0.7022	0.6962

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
	1Hr										
468-469	010YR0 2Hr	13.48	0.00	-0.02	3.11	3.35	1.1892	0.0000	1.2036	1.1749	1.1689
468-469	010YR0 3Hr	13.32	0.00	-0.02	3.10	3.35	1.6760	0.0000	1.6898	1.6591	1.6512
468-469	010YR0 6Hr	14.46	0.00	0.01	3.09	3.36	3.4372	0.0000	3.3000	3.1157	3.1057
468-469	010YR1 2Hr	15.41	0.00	0.02	3.14	3.32	6.4300	0.0000	6.2576	6.4300	6.0408
468-469	010YR2 4Hr	14.09	0.00	0.02	2.91	3.27	12.3313	0.0000	12.2127	11.9542	20.1636
468-469	1 1/4" 24hr	2.73	0.00	0.01	2.14	2.81	12.1989	0.0000	12.0588	12.2011	12.2611
468-469	100YR0 1hr	20.26	0.00	0.04	4.13	4.13	1.3239	0.0000	1.1031	1.3239	1.3239
468-469	100YR0 2hr	22.33	0.00	0.08	4.55	4.55	1.7806	0.0000	1.7172	1.7806	1.7806
468-469	100YR0 3hr	22.71	0.00	0.08	4.63	4.63	2.2880	0.0000	2.2224	2.2880	2.2880
468-469	100YR0 6hr	23.88	0.00	0.08	4.86	4.86	3.8702	0.0000	3.7912	3.8702	3.8702
468-469	100YR1 2hr	23.06	0.00	0.07	4.70	4.70	6.7820	0.0000	6.7050	6.7820	6.7820
468-469	100YR2 4hr	21.32	0.00	0.07	4.34	4.34	12.5820	0.0000	12.5188	12.5820	12.5820
469-471	002YR0 1HR	9.82	0.00	0.01	3.57	4.30	0.7904	0.0000	0.6955	0.7672	0.6948
469-471	002YR0 2HR	11.13	0.00	0.01	3.65	4.42	1.2678	0.0000	1.1773	1.2384	1.1729
469-471	002YR0 3HR	11.33	0.00	0.01	3.66	4.38	1.7560	0.0000	1.6633	1.7249	1.6563
469-471	002YR0 6HR	12.52	0.00	0.01	3.70	4.13	3.2162	0.0000	3.1073	3.1746	3.1177
469-471	002YR1 2HR	12.88	0.00	-0.01	3.68	3.85	6.1634	0.0000	6.2271	6.1127	6.0649
469-471	002YR2 4HR	12.60	0.00	0.01	3.59	3.48	12.1066	0.0000	12.1809	12.0274	11.9843
469-471	010YR0 1Hr	15.77	0.00	-0.02	3.94	4.93	0.7151	0.0000	0.7393	0.6971	0.6544
469-471	010YR0 2Hr	16.63	0.00	-0.02	3.98	4.87	1.1875	0.0000	1.2031	1.1703	1.1291
469-471	010YR0 3Hr	16.34	0.00	-0.02	3.94	4.63	1.6739	0.0000	1.6890	1.6546	1.6123
469-471	010YR0 6Hr	17.57	0.00	-0.02	3.88	4.21	3.4395	0.0000	3.6061	3.1115	3.0840

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
469-471	010YR1 2Hr	18.27	0.00	-0.02	3.77	3.87	6.4317	0.0000	6.5824	6.0467	6.0203
469-471	010YR2 4Hr	17.27	0.00	-0.02	3.60	3.52	12.3339	0.0000	12.5038	11.9374	12.3339
469-471	1 1/4" 24hr	3.48	0.00	0.01	2.91	3.14	12.2014	0.0000	11.9448	12.2330	12.0588
469-471	100YR0 1hr	21.90	0.00	-0.03	4.46	5.43	1.1854	0.0000	0.6593	1.1854	0.6185
469-471	100YR0 2hr	24.40	0.00	-0.02	4.97	4.97	1.7832	0.0000	1.1275	1.7832	1.7832
469-471	100YR0 3hr	24.69	0.00	-0.03	5.03	5.03	2.2907	0.0000	1.6114	2.2907	2.2907
469-471	100YR0 6hr	26.05	0.00	-0.02	5.31	5.31	3.7887	0.0000	3.7912	3.7887	3.7887
469-471	100YR1 2hr	24.93	0.00	-0.02	5.08	5.08	6.7030	0.0000	6.7050	6.7030	6.7030
469-471	100YR2 4hr	23.46	0.00	-0.02	4.78	4.78	12.5845	0.0000	12.5188	12.5845	12.5845
471-472	002YR0 1HR	9.15	0.00	0.01	2.56	3.55	0.8223	0.0000	0.6955	0.7411	0.6917
471-472	002YR0 2HR	10.19	0.00	0.01	2.61	3.56	1.3029	0.0000	1.1825	1.2167	1.1671
471-472	002YR0 3HR	10.35	0.00	0.01	2.61	3.53	1.7938	0.0000	1.6660	1.7020	1.6501
471-472	002YR0 6HR	11.43	0.00	0.02	2.59	3.27	3.3660	0.0000	3.3189	3.1517	3.0749
471-472	002YR1 2HR	12.54	0.00	0.02	2.51	2.88	6.3571	0.0000	6.2731	6.0885	6.0001
471-472	002YR2 4HR	12.98	0.00	0.01	2.41	2.72	12.3151	0.0000	12.2184	11.9956	11.7914
471-472	010YR0 1Hr	14.32	0.00	0.02	2.77	3.77	0.9690	0.0000	0.8499	0.6802	0.6453
471-472	010YR0 2Hr	15.95	0.00	0.02	2.77	3.62	1.4629	0.0000	1.3348	1.1533	1.1121
471-472	010YR0 3Hr	16.15	0.00	0.02	2.72	3.32	1.9545	0.0000	1.8278	1.6367	1.5770
471-472	010YR0 6Hr	18.42	0.00	0.02	2.61	2.84	3.4419	0.0000	3.1502	3.4419	3.0726
471-472	010YR1 2Hr	19.09	0.00	-0.02	2.70	2.73	6.4335	0.0000	6.0966	6.4335	5.9891
471-472	010YR2 4Hr	18.12	0.00	0.01	2.56	2.68	12.3376	0.0000	12.2067	12.3376	11.7638
471-472	1 1/4" 24hr	3.41	0.00	0.01	2.04	3.07	12.2267	0.0000	12.0872	12.2114	12.0936
471-472	100YR0	22.96	0.00	0.04	3.25	3.82	1.1864	0.0000	0.7099	1.1864	0.6050

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
	1hr										
471-472	100YR0 2hr	25.12	0.00	0.05	3.55	3.55	1.7837	0.0000	1.1738	1.7837	1.7837
471-472	100YR0 3hr	25.36	0.00	0.04	3.59	3.59	2.2911	0.0000	1.6600	2.2911	2.2911
471-472	100YR0 6hr	27.05	0.00	0.04	3.83	3.83	3.7899	0.0000	3.1221	3.7899	3.7899
471-472	100YR1 2hr	25.96	0.00	0.02	3.67	3.67	6.7041	0.0000	6.6635	6.7041	6.7041
471-472	100YR2 4hr	24.17	0.00	0.02	3.42	3.42	12.5852	0.0000	12.4966	12.5852	12.5852
472-473	002YR0 1HR	8.93	-0.41	0.02	2.19	2.30	0.8671	0.6643	0.6701	0.7481	0.7411
472-473	002YR0 2HR	10.04	-0.43	0.02	2.17	2.27	1.3769	1.1415	1.1475	1.2227	1.2167
472-473	002YR0 3HR	10.25	-0.27	0.01	2.17	2.27	1.8722	1.6195	1.6252	1.7077	1.7006
472-473	002YR0 6HR	11.86	0.00	0.02	2.13	2.25	3.3764	0.0000	3.3167	3.5570	4.3680
472-473	002YR1 2HR	13.13	0.00	0.04	2.17	2.31	6.3570	0.0000	6.2725	6.5083	5.7218
472-473	002YR2 4HR	13.59	0.00	0.05	2.21	2.33	12.3209	0.0000	12.2177	12.4598	13.3906
472-473	010YR0 1Hr	15.06	-0.80	0.04	2.26	2.32	1.0276	0.6290	0.6345	1.1597	1.2080
472-473	010YR0 2Hr	16.82	-0.35	0.03	2.38	2.38	1.4654	1.0878	1.3331	1.4654	1.4654
472-473	010YR0 3Hr	17.05	0.00	0.04	2.41	2.41	1.9565	0.0000	1.8249	1.9565	1.9565
472-473	010YR0 6Hr	19.27	0.00	0.03	2.73	2.73	3.4446	0.0000	3.2934	3.4446	3.4446
472-473	010YR1 2Hr	19.91	0.00	0.04	2.82	2.82	6.4352	0.0000	6.2495	6.4352	6.4352
472-473	010YR2 4Hr	19.00	0.00	0.03	2.69	2.69	12.3435	0.0000	12.2049	12.3435	12.3435
472-473	1 1/4" 24hr	3.36	0.00	0.01	2.03	2.31	12.2508	0.0000	12.1130	12.2167	12.1444
472-473	100YR0 1hr	24.00	-1.06	0.13	3.40	3.40	1.1867	0.5930	0.7097	1.1867	1.1867
472-473	100YR0 2hr	26.14	0.00	0.22	3.70	3.70	1.7175	0.0000	1.1736	1.7175	1.7175
472-473	100YR0 3hr	26.68	0.00	0.20	3.77	3.77	2.2225	0.0000	1.6598	2.2225	2.2225
472-473	100YR0 6hr	28.06	0.00	0.20	3.97	3.97	3.7904	0.0000	3.1215	3.7904	3.7904

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
472-473	100YR1 2hr	27.00	0.00	0.09	3.82	3.82	6.7047	0.0000	6.0783	6.7047	6.7047
472-473	100YR2 4hr	24.88	0.00	0.06	3.52	3.52	12.5839	0.0000	12.4788	12.5839	12.5839
473-474	002YR0 1HR	9.07	-1.58	0.03	2.09	-2.74	0.9001	0.6706	0.6898	1.0749	0.6498
473-474	002YR0 2HR	10.34	-1.69	0.02	2.13	-2.75	1.4008	1.1493	1.1675	1.5686	1.1265
473-474	002YR0 3HR	10.58	-1.52	0.02	2.14	-2.66	1.8959	1.6306	1.6554	2.0597	1.6070
473-474	002YR0 6HR	12.39	-0.22	0.03	2.19	2.30	3.3862	3.0272	3.3139	3.5583	6.9913
473-474	002YR1 2HR	13.76	0.00	0.03	2.25	2.38	6.3566	0.0000	6.2708	6.5121	13.1111
473-474	002YR2 4HR	14.24	0.00	0.03	2.29	2.40	12.3207	0.0000	12.2156	12.4707	24.9177
473-474	010YR0 1Hr	15.70	-2.61	-0.02	2.36	-3.03	0.9708	0.6367	0.7293	1.2173	0.6149
473-474	010YR0 2Hr	17.70	-2.05	-0.03	2.50	-2.80	1.4668	1.1020	1.1949	1.4668	1.0770
473-474	010YR0 3Hr	17.95	-0.91	-0.03	2.54	2.54	1.9576	1.5612	1.6807	1.9576	1.9576
473-474	010YR0 6Hr	20.15	-0.01	-0.03	2.85	2.85	3.4493	2.4412	3.1353	3.4493	3.4493
473-474	010YR1 2Hr	20.75	0.00	0.02	2.93	2.93	6.4373	0.0000	6.2470	6.4373	6.4373
473-474	010YR2 4Hr	19.93	0.00	0.02	2.82	2.82	12.3518	0.0000	12.2031	12.3518	12.3518
473-474	1 1/4" 24hr	3.37	-0.15	0.01	1.91	1.84	12.2742	11.9601	12.1130	12.3214	12.3575
473-474	100YR0 1hr	25.10	-3.42	0.31	3.55	3.55	1.1560	0.6020	0.7096	1.1560	1.1560
473-474	100YR0 2hr	27.63	-3.22	0.41	3.91	3.91	1.7180	1.1735	1.1736	1.7180	1.7180
473-474	100YR0 3hr	28.08	-2.91	0.37	3.97	3.97	2.2230	1.6597	1.6598	2.2230	2.2230
473-474	100YR0 6hr	29.07	-2.75	0.37	4.11	4.11	3.7899	3.1213	3.1215	3.7899	3.7899
473-474	100YR1 2hr	28.05	0.00	0.24	3.97	3.97	6.7046	0.0000	6.0782	6.7046	6.7046
473-474	100YR2 4hr	26.21	0.00	0.16	3.71	3.71	12.5196	0.0000	12.4954	12.5196	12.5196
474-504	002YR0 1HR	16.28	0.00	0.01	3.25	3.45	0.8526	0.0000	0.7328	0.7734	0.7428
474-504	002YR0	18.37	0.00	0.01	3.25	3.43	1.3444	0.0000	1.2061	1.2368	1.2124

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
	2HR										
474-504	002YR0 3HR	18.72	0.00	0.01	3.25	3.43	1.8359	0.0000	1.6801	1.7200	1.6966
474-504	002YR0 6HR	21.13	0.00	-0.01	3.25	3.46	3.3336	0.0000	3.5880	3.1594	3.1350
474-504	002YR1 2HR	22.41	0.00	-0.01	3.21	3.39	6.3008	0.0000	6.5323	6.0885	6.0626
474-504	002YR2 4HR	22.77	0.00	-0.01	3.23	3.32	12.2552	0.0000	12.4713	12.3315	11.9529
474-504	010YR0 1Hr	26.90	0.00	0.01	3.81	3.81	0.8784	0.0000	0.6584	0.8784	0.8784
474-504	010YR0 2Hr	29.96	0.00	-0.01	4.24	4.24	1.3772	0.0000	1.7139	1.3772	1.3772
474-504	010YR0 3Hr	30.28	0.00	-0.01	4.28	4.28	1.8690	0.0000	2.2148	1.8690	1.8690
474-504	010YR0 6Hr	32.41	0.00	-0.01	4.59	4.59	3.3505	0.0000	3.7665	3.3505	3.3505
474-504	010YR1 2Hr	32.57	0.00	-0.01	4.61	4.61	6.3223	0.0000	6.7343	6.3223	6.3223
474-504	010YR2 4Hr	31.99	0.00	-0.02	4.53	4.53	12.2755	0.0000	12.7443	12.2755	12.2755
474-504	1 1/4" 24hr	5.94	0.00	0.01	2.73	3.00	12.2478	0.0000	12.0988	12.2453	12.2267
474-504	100YR0 1hr	42.12	0.00	-0.09	5.96	5.96	1.0737	0.0000	1.0977	1.0737	1.0737
474-504	100YR0 2hr	44.59	0.00	-0.10	6.31	6.31	1.6534	0.0000	1.6884	1.6534	1.6534
474-504	100YR0 3hr	45.11	0.00	-0.10	6.38	6.38	2.1473	0.0000	2.1903	2.1473	2.1473
474-504	100YR0 6hr	45.83	0.00	-0.10	6.48	6.48	3.6681	0.0000	3.7431	3.6681	3.6681
474-504	100YR1 2hr	44.87	0.00	-0.10	6.35	6.35	6.5938	0.0000	6.6622	6.5938	6.5938
474-504	100YR2 4hr	43.26	0.00	-0.09	6.12	6.12	12.4630	0.0000	12.4954	12.4630	12.4630
501-569	002YR0 1HR	21.38	0.00	0.02	2.98	3.21	0.8684	0.0000	0.7790	0.8652	0.6232
501-569	002YR0 2HR	24.47	0.00	0.02	3.05	3.28	1.3536	0.0000	1.2243	1.3670	1.1010
501-569	002YR0 3HR	25.01	0.00	0.02	3.05	3.29	1.8459	0.0000	1.7266	1.8592	1.5807
501-569	002YR0 6HR	28.59	0.00	0.02	3.16	3.19	3.3211	0.0000	3.2997	3.3524	3.3524
501-569	002YR1 2HR	30.52	0.00	0.02	3.23	3.27	6.2820	0.0000	6.2537	6.3196	6.3451

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
501-569	002YR2 4HR	31.02	0.00	0.02	3.25	3.28	12.2264	0.0000	12.1991	12.2563	12.3095
501-569	010YR0 1Hr	37.85	0.00	0.03	3.93	3.93	0.8542	0.0000	0.7293	0.8542	0.8542
501-569	010YR0 2Hr	42.41	0.00	0.03	4.41	4.41	1.3502	0.0000	1.1932	1.3502	1.3502
501-569	010YR0 3Hr	42.85	0.00	0.02	4.45	4.45	1.8425	0.0000	1.6789	1.8425	1.8425
501-569	010YR0 6Hr	46.69	0.00	0.03	4.85	4.85	3.3154	0.0000	3.1325	3.3154	3.3154
501-569	010YR1 2Hr	46.93	0.00	-0.02	4.88	4.88	6.2758	0.0000	6.9013	6.2758	6.2758
501-569	010YR2 4Hr	45.40	0.00	0.02	4.72	4.72	12.2263	0.0000	12.0047	12.2263	12.2263
501-569	1 1/4" 24hr	7.68	0.00	0.01	2.65	2.84	12.2667	0.0000	12.0988	12.2539	12.2233
501-569	100YR0 1hr	52.84	0.00	-0.07	5.49	5.49	0.8670	0.0000	0.8727	0.8670	0.8670
501-569	100YR0 2hr	58.37	0.00	-0.13	6.07	6.07	1.4255	0.0000	1.4386	1.4255	1.4255
501-569	100YR0 3hr	58.91	0.00	-0.12	6.12	6.12	1.9277	0.0000	1.9404	1.9277	1.9277
501-569	100YR0 6hr	61.36	0.00	-0.14	6.38	6.38	3.4558	0.0000	3.4679	3.4558	3.4558
501-569	100YR1 2hr	60.87	0.00	-0.13	6.33	6.33	6.3861	0.0000	6.3954	6.3861	6.3861
501-569	100YR2 4hr	54.06	0.00	-0.07	5.62	5.62	12.2540	0.0000	12.2580	12.2540	12.2540
503-501	002YR0 1HR	17.45	0.00	0.02	3.22	2.95	0.8740	0.0000	0.7536	0.9356	0.8857
503-501	002YR0 2HR	19.83	0.00	0.02	3.24	3.04	1.3637	0.0000	1.2243	1.4326	1.3889
503-501	002YR0 3HR	20.23	0.00	0.01	3.25	3.05	1.8573	0.0000	1.7152	1.9313	1.8843
503-501	002YR0 6HR	23.09	0.00	0.02	3.35	3.27	3.3497	0.0000	3.3044	3.3809	3.3516
503-501	002YR1 2HR	24.45	0.00	0.02	3.46	3.46	6.2979	0.0000	6.2579	6.2979	6.2979
503-501	002YR2 4HR	24.88	0.00	0.02	3.52	3.52	12.2571	0.0000	12.2045	12.2571	12.2571
503-501	010YR0 1Hr	29.84	0.00	0.02	4.22	4.22	0.8824	0.0000	0.7211	0.8824	0.8824
503-501	010YR0 2Hr	33.43	0.00	0.02	4.73	4.73	1.3795	0.0000	1.1877	1.3795	1.3795
503-501	010YR0	33.78	0.00	0.02	4.78	4.78	1.8731	0.0000	1.6731	1.8731	1.8731

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
	3Hr										
503-501	010YR0 6Hr	36.33	0.00	0.02	5.14	5.14	3.3472	0.0000	3.1275	3.3472	3.3472
503-501	010YR1 2Hr	36.49	0.00	0.02	5.16	5.16	6.3152	0.0000	6.0714	6.3152	6.3152
503-501	010YR2 4Hr	35.61	0.00	0.02	5.04	5.04	12.2717	0.0000	11.9921	12.2717	12.2717
503-501	1 1/4" 24hr	6.37	0.00	0.01	3.27	2.74	12.2661	0.0000	12.0988	12.2536	12.2480
503-501	100YR0 1hr	44.51	0.00	0.05	6.30	6.30	1.0773	0.0000	0.8727	1.0773	1.0773
503-501	100YR0 2hr	46.58	0.00	0.11	6.59	6.59	1.6529	0.0000	1.4386	1.6529	1.6529
503-501	100YR0 3hr	47.01	0.00	0.10	6.65	6.65	2.1442	0.0000	1.9404	2.1442	2.1442
503-501	100YR0 6hr	47.56	0.00	0.11	6.73	6.73	3.6534	0.0000	3.4679	3.6534	3.6534
503-501	100YR1 2hr	46.72	0.00	0.11	6.61	6.61	6.5816	0.0000	6.3954	6.5816	6.5816
503-501	100YR2 4hr	45.36	0.00	0.06	6.42	6.42	12.4599	0.0000	12.2580	12.4599	12.4599
504-503	002YR0 1HR	16.80	0.00	0.01	3.12	3.80	0.8641	0.0000	0.7428	0.7814	0.6540
504-503	002YR0 2HR	19.03	0.00	0.01	3.09	3.79	1.3539	0.0000	1.2046	1.3800	1.1303
504-503	002YR0 3HR	19.41	0.00	0.01	3.09	3.73	1.8485	0.0000	1.6959	1.8887	1.6114
504-503	002YR0 6HR	22.08	0.00	0.03	3.19	3.83	3.3477	0.0000	3.3098	3.3652	3.0770
504-503	002YR1 2HR	23.39	0.00	0.02	3.31	3.80	6.3008	0.0000	6.2634	6.3008	5.9802
504-503	002YR2 4HR	23.78	0.00	0.02	3.36	3.76	12.2575	0.0000	12.2089	12.2575	11.8130
504-503	010YR0 1Hr	28.31	0.00	0.02	4.01	4.01	0.8812	0.0000	0.8342	0.8812	0.8812
504-503	010YR0 2Hr	31.63	0.00	-0.01	4.48	4.48	1.3795	0.0000	1.7873	1.3795	1.3795
504-503	010YR0 3Hr	31.96	0.00	0.03	4.52	4.52	1.8730	0.0000	1.8100	1.8730	1.8730
504-503	010YR0 6Hr	34.30	0.00	0.02	4.85	4.85	3.3497	0.0000	3.2812	3.3497	3.3497
504-503	010YR1 2Hr	34.46	0.00	0.02	4.87	4.87	6.3196	0.0000	6.2391	6.3196	6.3196
504-503	010YR2 4Hr	33.74	0.00	-0.02	4.77	4.77	12.2744	0.0000	12.7443	12.2744	12.2744



Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
504-503	1 1/4" 24hr	6.16	0.00	0.01	2.71	3.81	12.2564	0.0000	12.0988	12.2614	12.1547
504-503	100YR0 1hr	43.26	0.00	-0.02	6.12	6.12	1.0755	0.0000	1.0986	1.0755	1.0755
504-503	100YR0 2hr	45.55	0.00	0.03	6.44	6.44	1.6544	0.0000	1.4393	1.6544	1.6544
504-503	100YR0 3hr	46.02	0.00	0.03	6.51	6.51	2.1475	0.0000	1.9410	2.1475	2.1475
504-503	100YR0 6hr	46.65	0.00	-0.06	6.60	6.60	3.6637	0.0000	3.4737	3.6637	3.6637
504-503	100YR1 2hr	45.75	0.00	0.03	6.47	6.47	6.5899	0.0000	6.3961	6.5899	6.5899
504-503	100YR2 4hr	44.26	0.00	-0.02	6.26	6.26	12.4633	0.0000	12.4963	12.4633	12.4633
512-Out let4	002YR0 1HR	1.10	0.00	0.00	1.64	2.72	2.9945	0.0000	0.9710	2.9945	2.9945
512-Out let4	002YR0 2HR	3.96	0.00	0.01	2.21	3.87	2.5240	0.0000	2.8668	2.5508	2.5508
512-Out let4	002YR0 3HR	5.38	0.00	0.02	2.39	4.20	3.3853	0.0000	4.2692	3.3913	3.3913
512-Out let4	002YR0 6HR	8.40	0.00	0.03	2.69	4.82	5.1980	0.0000	5.6842	4.7438	5.2127
512-Out let4	002YR1 2HR	11.65	0.00	0.07	2.99	5.32	7.2952	0.0000	7.8720	7.3253	7.3333
512-Out let4	002YR2 4HR	16.31	0.00	0.06	3.45	5.95	12.9487	0.0000	13.4515	12.9660	12.9827
512-Out let4	010YR0 1Hr	12.79	0.00	-0.05	3.09	5.50	1.4902	0.0000	1.3713	1.4920	1.4937
512-Out let4	010YR0 2Hr	19.66	0.00	-0.08	4.00	6.38	2.1747	0.0000	2.4684	2.1747	2.2653
512-Out let4	010YR0 3Hr	20.32	0.00	-0.08	4.14	6.47	2.6543	0.0000	2.8532	2.6543	2.4915
512-Out let4	010YR0 6Hr	25.48	0.00	-0.10	5.19	7.08	4.0226	0.0000	4.4644	4.0226	4.1064
512-Out let4	010YR1 2Hr	30.34	0.00	-0.10	6.18	7.69	6.9235	0.0000	7.1531	6.9235	6.9235
512-Out let4	010YR2 4Hr	35.58	0.00	-0.16	7.25	8.38	12.7512	0.0000	14.2616	12.7512	12.7512
512-Out let4	1 1/4" 24hr	0.83	0.00	0.00	1.53	2.54	23.9672	0.0000	13.2928	23.9672	23.9672
512-Out let4	100YR0 1hr	35.27	0.00	-0.17	7.18	8.30	1.4290	0.0000	2.0355	1.4290	1.4290
512-Out let4	100YR0 2hr	42.85	0.00	-0.16	8.73	9.42	2.1710	0.0000	2.9543	2.1710	2.1710
512-Out let4	100YR0	43.98	0.00	-0.18	8.96	9.60	2.7141	0.0000	4.0075	2.7141	2.7141

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
let4	3hr										
512-Out let4	100YR0 6hr	48.23	0.00	-0.16	9.82	10.28	4.1577	0.0000	6.3687	4.1577	4.1577
512-Out let4	100YR1 2hr	49.28	0.00	-0.16	10.04	10.45	7.0636	0.0000	9.6438	7.0636	7.0636
512-Out let4	100YR2 4hr	49.54	0.00	0.11	10.09	10.50	12.9232	0.0000	12.1394	12.9232	12.9232
515-514	002YR0 1HR	8.46	0.00	0.67	2.79	4.62	0.8419	0.0000	1.8429	0.8430	0.8430
515-514	002YR0 2HR	10.09	0.00	-0.68	2.95	4.85	1.3209	0.0000	2.7068	1.3215	1.3215
515-514	002YR0 3HR	10.43	0.00	0.68	2.98	4.89	1.8105	0.0000	7.4943	1.8108	1.8108
515-514	002YR0 6HR	12.61	0.00	-0.61	3.17	5.15	3.2756	0.0000	4.6597	3.2762	3.2762
515-514	002YR1 2HR	14.02	0.00	0.83	3.27	5.37	6.2311	0.0000	21.5133	6.2318	6.2318
515-514	002YR2 4HR	14.59	0.00	-0.98	3.32	5.43	12.1803	53.6139	23.6442	12.2643	12.1805
515-514	010YR0 1Hr	17.49	0.00	-0.68	3.55	5.71	0.8035	0.0000	1.7650	0.8036	0.8036
515-514	010YR0 2Hr	20.14	0.00	-0.05	3.73	6.01	1.2879	0.0000	1.2230	1.2879	1.2879
515-514	010YR0 3Hr	20.50	0.00	0.47	3.76	6.05	1.7781	0.0000	3.0310	1.7782	1.7782
515-514	010YR0 6Hr	23.40	0.00	0.61	3.98	6.29	3.2472	0.0000	6.1231	3.2472	3.2472
515-514	010YR1 2Hr	24.13	0.00	-0.75	4.04	6.34	6.2065	0.0000	23.5307	6.2065	6.2065
515-514	010YR2 4Hr	23.22	0.00	1.13	4.06	6.15	12.1551	61.3743	30.3128	12.1593	12.1059
515-514	1 1/4" 24hr	2.72	0.00	-0.02	1.99	3.39	12.2700	0.0000	23.3258	12.2708	12.2708
515-514	100YR0 1hr	34.30	0.00	-0.10	4.89	7.29	0.7676	0.0000	0.8104	0.7676	0.7676
515-514	100YR0 2hr	39.37	0.00	0.13	5.57	7.73	1.2559	0.0000	1.2475	1.2559	1.2607
515-514	100YR0 3hr	40.15	0.00	0.11	5.68	7.76	1.7488	0.0000	1.6937	1.7488	1.7628
515-514	100YR0 6hr	43.92	0.00	1.17	6.21	8.06	3.2276	0.0000	22.2913	3.2276	3.2276
515-514	100YR1 2hr	42.36	0.00	-1.10	5.99	7.84	6.1900	0.0000	27.5336	6.1900	6.1543
515-514	100YR2 4hr	35.79	0.00	0.07	5.06	5.79	12.1255	0.0000	46.2843	12.1255	12.0599

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
516-515	002YR0 1HR	0.00	-8.48	-0.39	-2.53	-3.83	0.0000	0.8317	1.8243	0.8223	0.7080
516-515	002YR0 2HR	0.00	-10.11	-0.35	-2.68	-3.92	0.0000	1.3113	2.7068	1.2998	1.1851
516-515	002YR0 3HR	0.00	-10.45	-0.44	-2.71	-3.88	0.0000	1.8012	7.4894	1.7928	1.6686
516-515	002YR0 6HR	0.00	-12.63	-0.50	-2.89	-3.66	0.0000	3.2666	4.6597	3.2599	3.1144
516-515	002YR1 2HR	0.00	-14.04	-0.67	-2.99	-3.66	0.0000	6.2236	22.7034	6.2125	6.1744
516-515	002YR2 4HR	0.00	-14.61	-0.69	-3.04	-3.68	53.6193	12.1726	32.5604	12.1642	12.1507
516-515	010YR0 1Hr	0.00	-17.52	-0.38	-3.25	-4.35	0.0000	0.7962	1.7650	0.7904	0.6640
516-515	010YR0 2Hr	0.00	-20.16	0.02	-3.44	-4.24	0.0000	1.2807	2.1444	1.2746	1.1342
516-515	010YR0 3Hr	0.00	-20.52	0.49	-3.46	-4.06	0.0000	1.7712	3.0310	1.7668	1.7559
516-515	010YR0 6Hr	0.00	-23.43	0.63	-3.68	-4.26	0.0000	3.2408	6.1231	3.2372	3.2286
516-515	010YR1 2Hr	0.00	-24.16	-0.56	-3.74	-4.30	0.0000	6.2003	23.5307	6.1960	6.1889
516-515	010YR2 4Hr	0.00	-23.18	-0.73	-3.70	-4.33	46.8148	12.1522	39.4293	12.1542	12.1582
516-515	1 1/4" 24hr	0.00	-2.73	0.00	-1.76	-2.96	0.0000	12.2536	12.1130	12.2514	12.1130
516-515	100YR0 1hr	0.00	-34.33	0.04	-4.86	-5.02	0.0000	0.7607	1.4119	0.7607	0.7533
516-515	100YR0 2hr	0.00	-39.38	0.03	-5.57	-5.57	0.0000	1.2526	2.1500	1.2526	1.2526
516-515	100YR0 3hr	0.00	-40.16	0.02	-5.68	-5.68	0.0000	1.7441	2.6892	1.7441	1.7441
516-515	100YR0 6hr	0.00	-43.93	-0.77	-6.22	-6.22	0.0000	3.2236	30.0084	3.2236	3.2236
516-515	100YR1 2hr	0.00	-42.25	0.83	-5.98	-5.98	40.1956	6.1892	27.6025	6.1892	6.1892
516-515	100YR2 4hr	0.00	-36.02	-0.06	-5.10	-5.14	0.0000	12.1257	46.2788	12.1257	12.1120
517-516	002YR0 1HR	0.00	-8.54	-0.02	-2.27	-3.96	0.0000	0.8160	2.1237	0.8037	0.6981
517-516	002YR0 2HR	0.00	-10.19	0.03	-2.42	-4.06	0.0000	1.2961	2.7068	1.2836	1.1756
517-516	002YR0 3HR	0.00	-10.53	0.03	-2.45	-4.04	0.0000	1.7861	3.0420	1.7741	1.6602
517-516	002YR0	0.00	-12.70	0.06	-2.63	-3.97	0.0000	3.2533	4.6597	3.2405	3.1079

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
	6HR										
517-516	002YR1 2HR	0.00	-14.10	-0.06	-2.73	-3.74	0.0000	6.2100	7.3205	6.1958	6.0678
517-516	002YR2 4HR	0.00	-14.66	-0.19	-2.77	-3.67	0.0000	12.1599	42.6449	12.1473	12.0874
517-516	010YR0 1Hr	0.00	-17.60	-0.04	-2.99	-4.49	0.0000	0.7850	1.7640	0.7730	0.6542
517-516	010YR0 2Hr	0.00	-20.25	-0.01	-3.19	-4.44	0.0000	1.2704	1.1287	1.2605	1.1260
517-516	010YR0 3Hr	0.00	-20.60	-0.08	-3.21	-4.28	0.0000	1.7610	3.0310	1.7536	1.6088
517-516	010YR0 6Hr	0.00	-23.52	-0.10	-3.45	-4.13	0.0000	3.2312	4.6744	3.2259	3.1080
517-516	010YR1 2Hr	0.00	-24.24	-0.06	-3.51	-4.15	0.0000	6.1904	9.7024	6.1868	6.1618
517-516	010YR2 4Hr	0.00	-23.18	-0.22	-3.42	-4.09	0.0000	12.1453	46.2992	12.1440	12.1393
517-516	1 1/4" 24hr	0.00	-2.75	0.00	-1.46	-3.23	0.0000	12.2317	12.0988	12.2367	12.1442
517-516	100YR0 1hr	0.00	-34.39	0.03	-4.86	-4.90	0.0000	0.7538	1.4025	0.7538	0.6173
517-516	100YR0 2hr	0.00	-39.38	0.02	-5.57	-5.57	0.0000	1.2518	2.1408	1.2518	1.2518
517-516	100YR0 3hr	0.00	-40.20	0.02	-5.69	-5.69	0.0000	1.7392	2.0004	1.7392	1.7392
517-516	100YR0 6hr	0.00	-43.99	-0.24	-6.22	-6.22	0.0000	3.2177	35.3615	3.2177	3.2177
517-516	100YR1 2hr	0.00	-42.16	-0.26	-5.96	-5.96	0.0000	6.1865	41.5750	6.1865	6.1865
517-516	100YR2 4hr	0.00	-36.23	0.03	-5.13	-5.13	0.0000	12.1228	12.3426	12.1228	12.1228
521-517	002YR0 1HR	0.00	-7.68	0.01	-1.63	-4.48	0.0000	0.8054	0.9078	0.8109	0.7910
521-517	002YR0 2HR	0.00	-9.19	0.01	-1.81	-4.62	0.0000	1.2837	1.4093	1.2864	1.2364
521-517	002YR0 3HR	0.00	-9.50	0.01	-1.85	-4.64	0.0000	1.7733	1.8976	1.7756	1.7208
521-517	002YR0 6HR	0.00	-11.45	0.01	-2.05	-4.76	0.0000	3.2410	3.3591	3.2392	3.1618
521-517	002YR1 2HR	0.00	-12.73	0.01	-2.16	-4.78	0.0000	6.1990	6.2867	6.1958	6.0947
521-517	002YR2 4HR	0.00	-13.29	-0.01	-2.21	-4.71	0.0000	12.1493	12.0097	12.1451	12.0078
521-517	010YR0 1Hr	0.00	-15.72	-0.01	-2.42	-4.97	0.0000	0.7764	0.6411	0.7713	0.6731

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
521-517	010YR0 2Hr	0.00	-18.10	-0.01	-2.63	-5.05	0.0000	1.2621	1.1287	1.2579	1.1474
521-517	010YR0 3Hr	0.00	-18.44	-0.01	-2.66	-5.05	0.0000	1.7532	1.6023	1.7508	1.6332
521-517	010YR0 6Hr	0.00	-21.13	-0.01	-2.99	-5.05	0.0000	3.2212	3.0885	3.2212	3.0876
521-517	010YR1 2Hr	0.00	-21.83	-0.01	-3.09	-4.92	0.0000	6.1812	6.0215	6.1812	6.0195
521-517	010YR2 4Hr	0.00	-20.91	0.01	-2.96	-4.74	0.0000	12.1359	12.5610	12.1359	11.9049
521-517	1 1/4" 24hr	0.00	-2.45	0.00	-0.87	-3.29	0.0000	12.2155	12.0635	12.2155	12.2180
521-517	100YR0 1hr	0.00	-30.42	0.02	-4.30	-5.37	0.0000	0.7576	1.3626	0.7576	0.6239
521-517	100YR0 2hr	0.00	-34.96	0.02	-4.95	-5.35	0.0000	1.2519	2.1087	1.2519	1.0939
521-517	100YR0 3hr	0.00	-35.75	0.01	-5.06	-5.26	0.0000	1.7421	1.9319	1.7421	1.5745
521-517	100YR0 6hr	0.00	-39.27	-0.02	-5.56	-5.56	0.0000	3.2187	4.4079	3.2187	3.2187
521-517	100YR1 2hr	0.00	-37.73	-0.02	-5.34	-5.34	0.0000	6.1872	7.2450	6.1872	6.1872
521-517	100YR2 4hr	0.00	-32.69	0.02	-4.62	-4.68	0.0000	12.1242	12.4554	12.1242	11.7569
522-521	002YR0 1HR	0.00	-3.55	0.00	-1.26	-2.77	0.0000	0.8520	0.7989	0.8895	1.3149
522-521	002YR0 2HR	0.00	-4.27	-0.01	-1.37	-3.04	0.0000	1.3362	1.2943	1.3753	3.4886
522-521	002YR0 3HR	0.00	-4.45	-0.01	-1.40	-3.19	0.0000	1.8268	1.7819	1.8637	3.1316
522-521	002YR0 6HR	0.00	-5.42	0.00	-1.52	-3.55	0.0000	3.3027	3.2493	3.3412	6.0465
522-521	002YR1 2HR	0.00	-6.05	-0.01	-1.60	-3.65	0.0000	6.2594	6.2080	6.3168	9.5023
522-521	002YR2 4HR	0.00	-6.57	-0.01	-1.67	-3.69	0.0000	12.2173	12.1557	12.2711	17.3092
522-521	010YR0 1Hr	0.00	-7.11	-0.01	-1.64	-3.50	0.0000	0.8347	0.7876	0.8849	2.7633
522-521	010YR0 2Hr	0.00	-8.12	-0.01	-1.74	-3.69	0.0000	1.3193	1.2749	1.3484	3.4353
522-521	010YR0 3Hr	0.00	-8.30	-0.01	-1.76	-3.75	0.0000	1.8119	1.7626	1.8376	4.2600
522-521	010YR0 6Hr	0.00	-9.31	-0.01	-1.90	-3.87	0.0000	3.2889	3.2305	3.2889	7.5314
522-521	010YR1	0.00	-9.78	-0.01	-1.99	-3.85	0.0000	6.2202	6.1928	6.2202	12.7758

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
	2Hr										
522-521	010YR2 4Hr	0.00	-9.85	-0.01	-2.01	-3.79	0.0000	12.2020	12.1438	12.2020	24.3897
522-521	1 1/4" 24hr	0.00	-1.13	0.00	-0.82	-2.54	0.0000	12.2519	12.0494	12.2639	12.4255
522-521	100YR0 1hr	0.00	-13.72	0.01	-2.79	-3.39	0.0000	0.8171	1.3975	0.8171	3.0008
522-521	100YR0 2hr	0.00	-16.27	0.01	-3.31	-3.81	0.0000	1.3177	1.4176	1.3177	5.4525
522-521	100YR0 3hr	0.00	-16.76	0.01	-3.41	-3.81	0.0000	1.8110	2.1771	1.8110	6.6706
522-521	100YR0 6hr	0.00	-18.67	0.02	-3.80	-3.84	0.0000	3.3026	3.6327	3.3026	8.1717
522-521	100YR1 2hr	0.00	-18.04	0.01	-3.68	-3.82	0.0000	6.2481	6.5937	6.2481	12.8319
522-521	100YR2 4hr	0.00	-15.37	0.01	-3.13	-3.82	0.0000	12.1792	12.5471	12.1792	24.7466
523-522	002YR0 1HR	0.00	-1.23	0.00	-0.83	-2.82	0.0000	0.9078	0.8196	2.7965	2.8096
523-522	002YR0 2HR	0.00	-1.62	0.00	-1.03	-3.15	0.0000	3.4080	1.3049	3.4274	3.4401
523-522	002YR0 3HR	0.00	-1.82	-0.01	-1.09	-3.26	0.0000	4.1326	1.7934	4.1748	4.1748
523-522	002YR0 6HR	0.00	-2.62	-0.01	-1.30	-3.60	0.0000	6.0479	3.2607	6.0533	6.0578
523-522	002YR1 2HR	0.00	-2.98	-0.01	-1.39	-3.71	0.0000	8.9584	6.2183	8.9584	10.4342
523-522	002YR2 4HR	0.00	-3.32	-0.01	-1.47	-3.74	0.0000	15.1474	12.1710	15.1716	18.5335
523-522	010YR0 1Hr	0.34	-2.75	-0.03	-1.33	-3.65	0.7011	2.6487	0.7945	2.6900	2.7035
523-522	010YR0 2Hr	0.80	-3.35	-0.02	-1.47	-3.86	1.1837	3.3820	1.2781	3.4042	3.4155
523-522	010YR0 3Hr	0.82	-3.55	-0.03	-1.52	-3.93	1.6701	4.1425	1.7683	4.2237	4.0391
523-522	010YR0 6Hr	1.51	-4.22	-0.04	-1.67	-3.90	3.1815	6.0089	3.2344	6.0153	6.6223
523-522	010YR1 2Hr	1.53	-4.51	-0.03	-1.73	-3.88	6.1344	9.0038	6.1949	9.0072	16.3251
523-522	010YR2 4Hr	0.65	-4.75	-0.01	-1.78	-3.88	12.1001	15.2404	12.1470	15.2492	25.6815
523-522	1 1/4" 24hr	0.00	-0.54	0.00	-0.58	-2.35	0.0000	12.1964	12.0988	12.1967	12.1972
523-522	100YR0 1hr	3.92	-4.35	0.02	-1.69	-3.93	0.6721	2.8167	0.6185	2.6320	2.9610

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
523-522	100YR0 2hr	4.69	-6.09	0.02	-2.04	-3.91	1.1884	3.3974	1.0947	3.4030	4.3369
523-522	100YR0 3hr	4.85	-9.42	-0.02	-3.00	-3.93	1.6782	3.9054	1.7579	3.9054	4.2621
523-522	100YR0 6hr	5.69	-10.94	-0.01	-3.48	-4.17	3.1540	6.0367	3.2827	6.0367	7.5826
523-522	100YR1 2hr	4.49	-11.22	-0.02	-3.57	-4.13	6.1208	9.2199	6.1968	9.2199	12.6106
523-522	100YR2 4hr	2.08	-11.20	-0.02	-3.57	-4.01	12.0906	15.0626	12.1550	15.0626	17.3668
524-523	002YR0 1HR	0.00	-1.43	0.00	-1.61	-2.99	0.0000	0.7075	0.8303	0.7038	0.6826
524-523	002YR0 2HR	0.00	-1.62	-0.01	-1.67	-3.07	0.0000	3.3775	1.3102	1.1753	1.1539
524-523	002YR0 3HR	0.00	-1.82	-0.01	-1.68	-3.08	0.0000	4.0946	1.8037	1.6593	1.6363
524-523	002YR0 6HR	0.00	-2.62	-0.01	-1.76	-3.18	0.0000	6.0030	3.2657	5.9561	3.0712
524-523	002YR1 2HR	0.00	-2.98	-0.02	-1.84	-2.87	0.0000	8.9723	6.2212	8.9723	5.9684
524-523	002YR2 4HR	0.00	-3.32	-0.01	-1.90	-2.45	0.0000	15.1264	12.1716	15.1264	11.8505
524-523	010YR0 1Hr	0.00	-2.75	-0.04	-1.95	-3.45	0.0000	2.6384	0.7958	0.6394	0.6238
524-523	010YR0 2Hr	0.05	-3.35	-0.03	-2.04	-3.57	1.2370	3.3539	1.2800	1.1129	1.0960
524-523	010YR0 3Hr	0.13	-3.55	-0.03	-2.04	-3.55	1.7237	4.1043	1.7697	1.5932	1.5746
524-523	010YR0 6Hr	0.96	-4.22	-0.05	-2.06	-3.23	3.1823	5.9632	3.2357	5.9632	3.0179
524-523	010YR1 2Hr	0.97	-4.51	-0.04	-2.10	-2.70	6.1477	8.9851	6.1950	9.0725	5.9143
524-523	010YR2 4Hr	0.34	-4.75	-0.01	-2.13	-2.41	12.1027	15.2635	12.1489	15.2635	15.2635
524-523	1 1/4" 24hr	0.00	-0.60	0.00	-1.16	-2.42	0.0000	12.0836	11.9739	12.1489	12.0844
524-523	100YR0 1hr	2.43	-4.35	-0.05	-2.37	-4.02	0.6739	2.7714	0.7746	0.5978	0.5861
524-523	100YR0 2hr	3.29	-6.09	-0.03	-2.42	-3.95	1.2016	3.3773	1.2688	1.0687	1.0505
524-523	100YR0 3hr	3.42	-9.42	-0.02	-3.00	-3.55	1.6891	3.8964	1.7609	3.8964	1.5284
524-523	100YR0 6hr	4.08	-10.93	-0.02	-3.48	-3.48	3.1699	6.0197	3.2394	6.0197	6.0197
524-523	100YR1	3.26	-11.21	-0.03	-3.57	-3.57	6.1368	9.3608	6.2009	9.3608	9.3608

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
	2hr										
524-523	100YR2 4hr	1.53	-11.19	-0.06	-3.56	-3.56	12.1032	15.0870	12.1563	15.0870	15.0870
525-524	002YR0 1HR	0.08	-1.27	0.00	-1.59	-2.52	0.5574	0.7241	0.5621	0.7184	1.5394
525-524	002YR0 2HR	0.01	-1.62	0.00	-1.72	-2.42	1.0440	3.3339	1.0384	3.3924	2.3888
525-524	002YR0 3HR	0.00	-1.82	0.01	-1.78	-2.39	0.0000	4.0872	1.5332	4.0180	3.4621
525-524	002YR0 6HR	0.00	-2.60	0.00	-1.97	-2.45	0.0000	6.0563	3.2674	6.0997	6.1351
525-524	002YR1 2HR	0.00	-2.96	-0.01	-2.05	-2.50	0.0000	8.9630	6.2220	9.0077	9.0077
525-524	002YR2 4HR	0.00	-3.30	-0.01	-2.12	-2.55	0.0000	15.1104	12.1739	14.6465	14.6465
525-524	010YR0 1Hr	0.31	-2.75	0.03	-2.01	-2.52	0.5461	2.6251	0.7971	2.5347	1.7657
525-524	010YR0 2Hr	0.16	-3.35	0.01	-2.13	-2.56	1.2596	3.3425	1.0161	3.2310	2.3491
525-524	010YR0 3Hr	0.23	-3.55	-0.02	-2.16	-2.60	1.7413	4.0889	1.7705	4.1986	3.2771
525-524	010YR0 6Hr	0.91	-4.18	-0.06	-2.29	-2.69	3.2054	6.0585	3.2355	6.1056	6.1231
525-524	010YR1 2Hr	1.02	-4.47	-0.03	-2.35	-2.72	6.1548	9.7341	6.1957	9.2483	9.2248
525-524	010YR2 4Hr	0.53	-4.72	-0.02	-2.39	-2.75	12.1066	15.2740	12.1496	15.3479	15.3905
525-524	1 1/4" 24hr	0.00	-0.51	0.00	-1.16	-2.29	0.0000	12.1222	11.9739	12.1214	16.5436
525-524	100YR0 1hr	2.04	-4.35	0.01	-2.33	-2.71	0.7265	2.7487	0.5121	2.4529	2.3041
525-524	100YR0 2hr	2.87	-6.09	-0.01	-2.67	-2.95	1.2192	3.3644	1.2697	3.3612	3.3124
525-524	100YR0 3hr	3.01	-9.42	-0.02	-3.92	-3.92	1.7065	3.8758	2.9256	3.8758	3.8758
525-524	100YR0 6hr	3.57	-10.89	-0.01	-4.53	-4.53	3.1874	6.2746	3.4633	6.2746	6.2746
525-524	100YR1 2hr	3.03	-11.14	-0.01	-4.63	-4.63	6.1443	9.3760	6.5770	9.3760	9.3760
525-524	100YR2 4hr	1.74	-11.12	-0.02	-4.62	-4.62	12.1034	15.1103	12.3362	15.1103	15.1103
526-525	002YR0 1HR	0.15	-1.07	0.00	-1.04	-2.89	0.6398	2.6326	0.5920	2.6778	2.7578
526-525	002YR0 2HR	0.20	-1.62	0.00	-1.25	-3.23	1.1185	3.2946	1.3226	3.3137	3.3358



Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
526-525	002YR0 3HR	0.18	-1.82	0.00	-1.32	-3.34	1.6023	4.0408	2.9826	4.0718	4.0890
526-525	002YR0 6HR	0.17	-2.55	-0.01	-1.58	-3.36	3.0606	6.1773	3.2775	6.1529	8.8148
526-525	002YR1 2HR	0.44	-2.90	-0.01	-1.68	-3.36	6.1761	9.1748	6.2223	9.2371	14.8685
526-525	002YR2 4HR	0.36	-3.25	-0.02	-1.77	-3.36	12.1270	14.9557	12.1772	14.9557	24.5168
526-525	010YR0 1Hr	1.19	-2.75	-0.01	-1.64	-3.48	0.7543	2.5658	0.7979	2.6142	1.6813
526-525	010YR0 2Hr	1.83	-3.35	-0.01	-1.79	-3.20	1.2429	3.3140	1.2819	3.3140	2.3819
526-525	010YR0 3Hr	1.92	-3.55	0.01	-1.84	-3.21	1.7348	4.0374	1.5189	4.0374	9.0013
526-525	010YR0 6Hr	2.80	-4.11	-0.01	-1.98	-3.14	3.2109	6.3132	3.4014	6.3577	11.9988
526-525	010YR1 2Hr	2.94	-4.41	-0.01	-2.04	-3.36	6.1637	9.5467	6.3494	9.5785	21.3857
526-525	010YR2 4Hr	2.31	-4.65	-0.01	-2.10	-3.36	12.1173	15.2988	12.1519	15.4921	30.7701
526-525	1 1/4" 24hr	0.00	-0.43	0.00	-0.67	-2.27	0.0000	16.8530	4.8089	17.1642	17.2014
526-525	100YR0 1hr	4.89	-4.35	-0.01	2.03	-3.16	0.7240	2.7134	0.9870	0.7240	2.2272
526-525	100YR0 2hr	5.90	-6.10	-0.02	-2.53	-3.22	1.2164	3.3437	1.4816	3.3437	3.1912
526-525	100YR0 3hr	6.03	-9.42	-0.02	-3.91	-3.91	1.7070	3.8805	1.9732	3.8805	3.8805
526-525	100YR0 6hr	6.67	-10.86	-0.02	-4.51	-4.51	3.2070	6.3889	3.4625	6.3889	6.3889
526-525	100YR1 2hr	6.00	-11.02	-0.02	-4.58	-4.58	6.1500	9.3933	6.4182	9.3933	9.3933
526-525	100YR2 4hr	4.41	-11.01	-0.03	-4.58	-4.58	12.1034	15.1126	12.3358	15.1126	15.1126
539-Lake4	002YR0 1HR	37.50	0.00	-0.46	3.38	6.35	0.8671	0.0000	2.0833	0.8674	0.8684
539-Lake4	002YR0 2HR	43.70	0.00	0.67	3.55	6.60	1.3399	0.0000	4.4452	1.3410	1.3410
539-Lake4	002YR0 3HR	44.82	0.00	-0.75	3.56	6.72	1.8298	0.0000	3.7103	1.8303	1.8303
539-Lake4	002YR0 6HR	53.13	0.00	-0.86	3.79	7.01	3.2894	0.0000	6.6227	3.2897	3.2905
539-Lake4	002YR1 2HR	58.10	0.00	-0.81	3.92	7.27	6.2455	0.0000	12.7131	6.2272	6.2274
539-Lake4	002YR2	59.47	0.00	-0.72	3.93	7.30	12.1890	0.0000	25.1048	12.1892	12.1900

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
e4	4HR										
539-Lake4	010YR01Hr	75.05	0.00	-1.05	4.32	7.83	0.8079	0.0000	1.8580	0.8080	0.8080
539-Lake4	010YR02Hr	85.74	0.00	-1.13	4.61	8.18	1.2858	0.0000	2.7372	1.2858	1.2859
539-Lake4	010YR03Hr	86.80	0.00	-1.11	4.65	8.21	1.7749	0.0000	3.7203	1.7749	1.7749
539-Lake4	010YR06Hr	96.23	0.00	-1.03	4.94	8.56	3.2455	0.0000	6.9716	3.2455	3.2718
539-Lake4	010YR12Hr	97.20	0.00	-0.65	4.97	8.63	6.2082	0.0000	13.1813	6.2082	6.2082
539-Lake4	010YR24Hr	92.10	0.00	-0.60	4.79	8.45	12.1593	0.0000	27.2922	12.1594	12.1593
539-Lake4	1 1/4" 24hr	13.09	0.00	0.04	2.53	4.73	12.2675	0.0000	12.4597	12.2689	12.2689
539-Lake4	100YR01hr	126.31	0.00	-1.32	6.43	9.50	0.7388	0.0000	2.1714	0.7388	0.7447
539-Lake4	100YR02hr	133.75	0.00	1.41	6.81	9.71	1.2214	0.0000	3.2040	1.2214	1.2214
539-Lake4	100YR03hr	134.28	0.00	1.51	6.84	9.75	1.7125	0.0000	3.9074	1.7125	1.7125
539-Lake4	100YR06hr	138.86	0.00	-1.37	7.07	9.84	3.1892	0.0000	6.7103	3.1892	3.1892
539-Lake4	100YR12hr	134.12	0.00	-0.65	6.83	9.74	6.1543	0.0000	12.6197	6.1543	6.1543
539-Lake4	100YR24hr	124.15	0.00	0.61	6.32	9.46	12.1043	0.0000	12.1139	12.1043	12.1000
540-539	002YR01HR	37.11	0.00	0.76	3.29	3.97	0.8580	2.4773	2.1563	0.8249	0.6213
540-539	002YR02HR	43.24	0.00	1.12	3.44	3.89	1.3310	3.6795	2.7607	1.3161	1.0967
540-539	002YR03HR	44.35	0.00	1.29	3.47	3.70	1.8214	4.4557	3.6628	1.7942	1.7928
540-539	002YR06HR	52.55	0.00	1.58	3.65	3.88	3.2817	0.0000	6.6227	3.2686	3.2632
540-539	002YR12HR	57.61	0.00	1.46	3.78	4.01	6.2274	0.0000	12.7131	6.2252	6.2228
540-539	002YR24HR	58.78	0.00	1.41	3.79	4.03	12.1821	0.0000	25.1048	12.1480	12.1480
540-539	010YR01Hr	74.15	0.00	1.97	4.16	4.38	0.8010	0.0000	1.8580	0.7929	0.7878
540-539	010YR02Hr	84.62	0.00	2.36	4.45	4.64	1.2803	0.0000	2.7397	1.2759	1.2735
540-539	010YR03Hr	85.67	0.00	2.31	4.48	4.66	1.7688	0.0000	3.7203	1.7674	1.7659

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
540-539	010YR0 6Hr	94.93	0.00	2.08	4.83	4.93	3.2382	0.0000	6.9716	3.2382	3.2330
540-539	010YR1 2Hr	95.91	0.00	1.71	4.88	4.95	6.2009	0.0000	13.0637	6.2009	6.1896
540-539	010YR2 4Hr	90.92	0.00	1.60	4.65	4.80	12.1510	0.0000	25.0399	12.1496	12.1419
540-539	1 1/4" 24hr	12.96	0.00	0.02	2.53	2.76	12.2550	0.0000	12.0541	12.2269	12.2080
540-539	100YR0 1hr	123.87	0.00	3.67	6.31	6.31	0.7363	0.0000	1.9097	0.7363	0.7363
540-539	100YR0 2hr	130.96	0.00	-3.78	6.67	6.67	1.2191	0.0000	2.9537	1.2191	1.2191
540-539	100YR0 3hr	131.47	0.00	-4.14	6.70	6.70	1.7143	0.0000	3.9074	1.7143	1.7143
540-539	100YR0 6hr	135.87	0.00	3.96	6.92	6.92	3.1881	0.0000	6.5854	3.1881	3.1881
540-539	100YR1 2hr	131.43	0.00	2.62	6.69	6.69	6.1516	0.0000	12.5372	6.1516	6.1516
540-539	100YR2 4hr	121.71	0.00	-0.09	6.20	6.20	12.1061	0.0000	12.1864	12.1061	12.1061
541-540	002YR0 1HR	36.89	0.00	0.16	3.26	3.73	0.8492	0.0000	2.7840	0.8072	0.6002
541-540	002YR0 2HR	42.98	0.00	0.36	3.39	3.65	1.3240	0.0000	3.6795	1.2895	1.1292
541-540	002YR0 3HR	44.10	0.00	0.45	3.42	3.62	1.8120	0.0000	4.4557	1.7816	1.6163
541-540	002YR0 6HR	52.22	0.00	0.46	3.58	3.77	3.2752	0.0000	6.9095	3.2523	3.2455
541-540	002YR1 2HR	57.26	0.00	-0.26	3.69	3.88	6.2275	0.0000	12.7131	6.2176	6.1998
541-540	002YR2 4HR	58.35	0.00	-0.18	3.71	3.90	12.1753	0.0000	25.1048	12.1483	12.1482
541-540	010YR0 1Hr	73.64	0.00	-0.72	4.07	4.25	0.7946	0.0000	1.8580	0.7845	0.7839
541-540	010YR0 2Hr	83.90	0.00	1.01	4.34	4.49	1.2750	0.0000	2.7785	1.2689	1.2667
541-540	010YR0 3Hr	84.92	0.00	-0.94	4.37	4.51	1.7667	0.0000	3.7203	1.7620	1.7534
541-540	010YR0 6Hr	94.02	0.00	-0.63	4.79	4.80	3.2352	0.0000	6.9716	3.2352	3.2336
541-540	010YR1 2Hr	95.00	0.00	-0.30	4.84	4.84	6.2001	0.0000	13.1813	6.2001	6.1967
541-540	010YR2 4Hr	90.08	0.00	-0.28	4.59	4.65	12.1503	0.0000	24.8685	12.1503	12.1419
541-540	1 1/4"	12.90	0.00	0.02	2.56	2.85	12.2450	0.0000	12.0541	12.2058	12.0988

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
	24hr										
541-540	100YR0 1hr	122.22	0.00	2.13	6.22	6.22	0.7343	0.0000	2.0074	0.7343	0.7343
541-540	100YR0 2hr	129.08	0.00	2.44	6.57	6.57	1.2171	0.0000	2.9524	1.2171	1.2171
541-540	100YR0 3hr	129.55	0.00	2.67	6.60	6.60	1.7062	0.0000	3.7552	1.7062	1.7062
541-540	100YR0 6hr	133.85	0.00	2.12	6.82	6.82	3.1841	0.0000	6.7107	3.1841	3.1841
541-540	100YR1 2hr	129.59	0.00	-0.73	6.60	6.60	6.1505	0.0000	12.6197	6.1505	6.1505
541-540	100YR2 4hr	120.17	0.00	0.04	6.12	6.12	12.1051	0.0000	11.9435	12.1051	12.1051
549-541	002YR0 1HR	27.42	0.00	0.02	2.70	2.75	0.8780	0.0000	0.8037	0.9001	0.9300
549-541	002YR0 2HR	31.65	0.00	0.02	2.80	2.85	1.3572	0.0000	1.2836	1.3869	1.3889
549-541	002YR0 3HR	32.39	0.00	0.02	2.82	2.87	1.8468	0.0000	1.7928	1.8904	1.8908
549-541	002YR0 6HR	37.62	0.00	0.02	2.93	2.98	3.3104	0.0000	3.2877	3.3535	3.3574
549-541	002YR1 2HR	40.63	0.00	0.02	2.99	3.04	6.2625	0.0000	6.1272	6.3161	6.3175
549-541	002YR2 4HR	41.43	0.00	0.02	3.00	3.05	12.2092	0.0000	12.1876	12.2761	12.2768
549-541	010YR0 1Hr	50.93	0.00	0.03	3.25	3.30	0.8284	0.0000	0.8050	0.8546	0.8584
549-541	010YR0 2Hr	57.28	0.00	-0.05	3.60	3.60	1.3141	0.0000	2.8001	1.3141	1.3141
549-541	010YR0 3Hr	57.96	0.00	-0.04	3.64	3.64	1.8048	0.0000	3.7515	1.8048	1.8048
549-541	010YR0 6Hr	63.91	0.00	0.03	4.02	4.02	3.2724	0.0000	3.1536	3.2724	3.2724
549-541	010YR1 2Hr	64.81	0.00	0.04	4.07	4.07	6.2449	0.0000	6.1031	6.2449	6.2449
549-541	010YR2 4Hr	61.89	0.00	0.03	3.89	3.89	12.1905	0.0000	12.1599	12.1905	12.1905
549-541	1 1/4" 24hr	9.67	0.00	0.01	2.21	2.27	12.2808	0.0000	12.0988	12.3119	12.3255
549-541	100YR0 1hr	74.31	0.00	0.17	4.67	4.67	0.8591	0.0000	2.0350	0.8591	0.8591
549-541	100YR0 2hr	76.56	0.00	-0.20	4.81	4.81	1.3859	0.0000	2.9524	1.3859	1.3859
549-541	100YR0 3hr	76.77	0.00	-0.22	4.83	4.83	1.8831	0.0000	3.7552	1.8831	1.8831

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
549-541	100YR0 6hr	77.82	0.00	-0.15	4.89	4.89	3.3867	0.0000	6.6888	3.3867	3.3867
549-541	100YR1 2hr	77.68	0.00	0.05	4.88	4.88	6.3710	0.0000	6.0178	6.3710	6.3710
549-541	100YR2 4hr	75.47	0.00	0.03	4.75	4.75	12.2521	0.0000	11.9414	12.2521	12.2521
568-549	002YR0 1HR	22.17	-0.89	0.03	2.65	2.54	0.8861	0.6092	0.8292	0.9426	0.9404
568-549	002YR0 2HR	25.49	-0.74	0.03	2.72	2.64	1.3696	1.0845	1.3161	1.4257	1.4180
568-549	002YR0 3HR	26.07	-0.31	0.03	2.74	2.65	1.8612	1.5558	1.7928	1.9202	1.9147
568-549	002YR0 6HR	29.99	0.00	0.03	2.83	2.77	3.3331	0.0000	3.2910	3.4025	3.3978
568-549	002YR1 2HR	32.07	0.00	0.03	2.90	2.85	6.2979	0.0000	6.2461	6.3722	6.3707
568-549	002YR2 4HR	32.52	0.00	0.03	2.92	2.87	12.2451	0.0000	12.1924	12.3362	12.3340
568-549	010YR0 1Hr	39.69	-1.35	0.03	3.16	3.16	0.8551	0.5814	0.8127	0.8551	0.8551
568-549	010YR0 2Hr	44.71	-0.08	0.02	3.56	3.56	1.3493	1.0217	1.1930	1.3493	1.3493
568-549	010YR0 3Hr	45.18	0.00	0.02	3.60	3.60	1.8457	0.0000	1.6787	1.8457	1.8457
568-549	010YR0 6Hr	49.40	0.00	0.02	3.93	3.93	3.3151	0.0000	3.2551	3.3151	3.3151
568-549	010YR1 2Hr	49.71	0.00	0.03	3.96	3.96	6.2826	0.0000	6.2152	6.2826	6.2826
568-549	010YR2 4Hr	47.88	0.00	0.02	3.81	3.81	12.2353	0.0000	12.1677	12.2353	12.2353
568-549	1 1/4" 24hr	7.91	0.00	0.01	2.37	2.16	12.2905	0.0000	12.0988	12.3300	12.3303
568-549	100YR0 1hr	56.21	-1.34	-0.13	4.47	4.47	0.8705	0.5463	0.6588	0.8705	0.8705
568-549	100YR0 2hr	61.13	0.00	-0.13	4.86	4.86	1.4324	0.0000	1.1270	1.4324	1.4324
568-549	100YR0 3hr	61.64	0.00	-0.11	4.90	4.90	1.9307	0.0000	1.6113	1.9307	1.9307
568-549	100YR0 6hr	64.09	0.00	-0.07	5.10	5.10	3.4630	0.0000	3.0711	3.4630	3.4630
568-549	100YR1 2hr	63.81	0.00	-0.03	5.08	5.08	6.3900	0.0000	6.0178	6.3900	6.3900
568-549	100YR2 4hr	57.66	0.00	0.02	4.59	4.59	12.2570	0.0000	12.1690	12.2570	12.2570
569-568	002YR0	21.89	0.00	0.02	2.61	2.71	0.8761	0.0000	0.8292	0.8929	0.8986

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
	1HR										
569-568	002YR0 2HR	25.11	0.00	0.02	2.68	2.77	1.3607	0.0000	1.3161	1.3931	1.4022
569-568	002YR0 3HR	25.67	0.00	0.03	2.69	2.78	1.8522	0.0000	1.8361	1.8973	1.9064
569-568	002YR0 6HR	29.43	0.00	0.03	2.77	2.85	3.3257	0.0000	3.2955	3.3869	3.3983
569-568	002YR1 2HR	31.40	0.00	0.04	2.83	2.91	6.2827	0.0000	6.2492	6.3678	6.3722
569-568	002YR2 4HR	31.91	0.00	0.05	2.85	2.94	12.2272	0.0000	12.1945	12.3322	12.3366
569-568	010YR0 1Hr	39.06	0.00	0.04	3.11	3.11	0.8540	0.0000	0.8147	0.8540	0.8540
569-568	010YR0 2Hr	43.87	0.00	0.05	3.49	3.49	1.3496	0.0000	1.2948	1.3496	1.3496
569-568	010YR0 3Hr	44.32	0.00	0.03	3.53	3.53	1.8436	0.0000	1.6785	1.8436	1.8436
569-568	010YR0 6Hr	48.38	0.00	0.04	3.85	3.85	3.3146	0.0000	3.2577	3.3146	3.3146
569-568	010YR1 2Hr	48.65	0.00	0.04	3.87	3.87	6.2808	0.0000	6.2193	6.2808	6.2808
569-568	010YR2 4Hr	46.95	0.00	0.03	3.74	3.74	12.2345	0.0000	12.1710	12.2345	12.2345
569-568	1 1/4" 24hr	7.83	0.00	0.01	2.36	2.78	12.2805	0.0000	12.0988	12.2817	11.9459
569-568	100YR0 1hr	54.95	0.00	0.06	4.37	4.37	0.8688	0.0000	0.7554	0.8688	0.8688
569-568	100YR0 2hr	60.07	0.00	0.07	4.78	4.78	1.4280	0.0000	1.2405	1.4280	1.4280
569-568	100YR0 3hr	60.60	0.00	0.05	4.82	4.82	1.9305	0.0000	1.7298	1.9305	1.9305
569-568	100YR0 6hr	62.98	0.00	0.06	5.01	5.01	3.4586	0.0000	3.2072	3.4586	3.4586
569-568	100YR1 2hr	62.64	0.00	-0.05	4.98	4.98	6.3881	0.0000	6.3960	6.3881	6.3881
569-568	100YR2 4hr	56.24	0.00	0.05	4.48	4.48	12.2556	0.0000	12.1317	12.2556	12.2556
AriesBlvd	002YR0 1HR	0.82	-0.86	0.02	1.58	2.41	1.4328	0.7870	0.9329	1.3023	1.4499
AriesBlvd	002YR0 2HR	1.03	-1.18	0.02	1.68	2.54	2.2984	1.2694	1.4507	2.1507	2.3371
AriesBlvd	002YR0 3HR	1.08	-1.21	0.01	1.70	2.56	3.2363	1.7686	1.9482	3.1347	3.2688
AriesBlvd	002YR0 6HR	1.27	-1.58	0.02	1.79	2.65	5.2672	3.2504	3.4549	5.1622	5.6415

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
AriesBlvd	002YR1 2HR	1.42	-1.88	0.02	1.85	2.72	8.1146	6.1988	6.4213	7.7393	8.8134
AriesBlvd	002YR2 4HR	1.51	-2.05	0.01	1.89	2.75	14.1485	12.1516	12.3638	13.7487	14.7479
AriesBlvd	010YR0 1Hr	1.58	-2.92	0.01	1.89	2.76	1.2485	0.7669	1.0395	1.3985	1.5359
AriesBlvd	010YR0 2Hr	1.85	-3.70	0.01	2.00	2.86	2.1599	1.2501	1.5366	2.3122	2.4731
AriesBlvd	010YR0 3Hr	1.92	-3.80	0.01	2.03	2.89	3.1934	1.7341	2.0258	3.2254	3.4007
AriesBlvd	010YR0 6Hr	2.21	-4.57	0.01	2.11	2.96	5.2526	3.2016	3.5070	5.3353	6.2784
AriesBlvd	010YR1 2Hr	2.42	-4.72	0.02	2.16	2.98	7.3075	6.1581	6.4561	8.4881	10.3453
AriesBlvd	010YR2 4Hr	2.65	-4.41	0.38	2.20	3.02	14.2518	12.1173	12.7557	15.1982	16.1648
AriesBlvd	1 1/4" 24hr	0.32	0.00	0.00	1.19	2.03	0.1262	0.0000	0.0784	0.1262	0.1042
AriesBlvd	100YR0 1hr	2.70	-5.88	0.07	2.21	3.04	1.7511	0.6722	1.0756	2.2216	2.4448
AriesBlvd	100YR0 2hr	3.18	-6.15	0.11	2.34	3.14	3.2087	1.1398	1.6824	3.5994	3.8369
AriesBlvd	100YR0 3hr	3.35	-6.16	-0.82	2.38	3.17	4.1562	1.6263	2.4840	4.5383	4.7281
AriesBlvd	100YR0 6hr	3.78	-6.10	-1.44	2.48	3.25	7.1375	3.0877	4.0355	7.3554	7.5037
AriesBlvd	100YR1 2hr	3.84	-5.67	1.31	2.49	3.25	11.4105	6.0391	7.3116	12.3801	12.5786
AriesBlvd	100YR2 4hr	3.86	-5.06	-1.37	2.49	3.22	17.3196	11.9852	12.8397	17.5374	18.6491
EX3-Ex2 42"	002YR0 1HR	9.89	0.00	-0.01	3.07	2.18	0.8246	0.0000	0.9304	0.6786	0.6961
EX3-Ex2 42"	002YR0 2HR	11.63	0.00	-0.01	3.12	2.26	1.3011	0.0000	1.3284	1.1596	1.1869
EX3-Ex2 42"	002YR0 3HR	12.03	0.00	-0.01	3.12	2.27	1.8032	0.0000	1.8192	1.6468	1.7168
EX3-Ex2 42"	002YR0 6HR	14.68	0.00	-0.05	3.08	2.39	3.2712	0.0000	11.6820	3.1131	3.1987
EX3-Ex2 42"	002YR1 2HR	16.71	0.00	-0.05	2.95	2.46	6.2251	0.0000	12.2442	6.0361	6.2019
EX3-Ex2 42"	002YR2 4HR	17.45	0.00	0.37	2.93	2.48	12.1692	0.0000	13.1162	12.2470	12.1507
EX3-Ex2 42"	010YR0 1Hr	21.25	0.00	-0.01	3.27	2.75	0.7944	0.0000	0.8074	0.6439	0.7414
EX3-Ex2 42"	010YR0	24.99	0.00	-0.01	3.28	2.90	1.2756	0.0000	1.2865	1.1930	1.2081

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
42"	2Hr										
EX3-Ex2 42"	010YR0 3Hr	25.50	0.00	-0.01	3.28	2.92	1.7645	0.0000	1.7789	1.6846	1.7514
EX3-Ex2 42"	010YR0 6Hr	29.31	0.00	0.01	3.29	3.12	3.2381	0.0000	3.1146	3.2033	3.2221
EX3-Ex2 42"	010YR1 2Hr	29.90	0.00	-0.06	3.30	3.15	6.2037	0.0000	7.3742	6.1600	6.2010
EX3-Ex2 42"	010YR2 4Hr	29.18	0.00	-1.75	3.34	3.16	12.1571	0.0000	13.3540	12.1759	12.1713
EX3-Ex2 42"	1 1/4" 24hr	3.62	0.00	0.01	2.69	1.72	12.2269	0.0000	12.0988	12.1419	0.3334
EX3-Ex2 42"	100YR0 1hr	32.60	0.00	0.97	3.66	3.47	0.8007	0.0000	1.8200	0.6731	0.6736
EX3-Ex2 42"	100YR0 2hr	33.86	0.00	-2.54	3.68	3.53	1.4906	0.0000	2.6338	1.1382	1.5139
EX3-Ex2 42"	100YR0 3hr	34.33	0.00	-2.33	3.64	3.57	1.9704	0.0000	3.3984	1.9950	1.9780
EX3-Ex2 42"	100YR0 6hr	35.99	0.00	-2.23	3.74	3.74	3.3823	0.0000	5.3346	3.3823	3.3823
EX3-Ex2 42"	100YR1 2hr	36.12	0.00	2.90	3.75	3.75	6.2921	0.0000	8.1933	6.2921	6.2921
EX3-Ex2 42"	100YR2 4hr	35.03	0.00	2.98	3.64	3.64	12.1499	0.0000	13.0873	12.1499	12.1499
EX8-Ex9 24"	002YR0 1HR	0.86	-0.92	0.02	2.41	2.07	1.1646	0.7556	0.9280	1.4419	0.1570
EX8-Ex9 24"	002YR0 2HR	1.03	-1.28	0.02	2.54	2.14	2.2476	1.2361	1.4460	2.3228	2.8710
EX8-Ex9 24"	002YR0 3HR	1.08	-1.35	0.02	2.57	2.17	3.1990	1.7336	1.9438	3.2615	3.8197
EX8-Ex9 24"	002YR0 6HR	1.27	-1.71	0.02	2.65	2.26	5.2645	3.2010	3.4503	5.6415	6.7224
EX8-Ex9 24"	002YR1 2HR	1.42	-2.04	0.02	2.72	2.25	8.0011	6.1673	6.4225	8.8102	12.7120
EX8-Ex9 24"	002YR2 4HR	1.52	-2.14	0.02	2.75	2.08	12.9670	12.1188	12.3605	14.7641	24.6241
EX8-Ex9 24"	010YR0 1Hr	1.70	-3.33	0.01	2.76	2.40	1.2354	0.7223	1.0357	1.5286	2.0625
EX8-Ex9 24"	010YR0 2Hr	1.88	-4.02	-0.01	2.87	2.48	2.1838	1.1820	1.1797	2.4662	3.1606
EX8-Ex9 24"	010YR0 3Hr	1.93	-4.08	0.01	2.89	2.51	3.1997	1.7169	2.0223	3.3796	4.0611
EX8-Ex9 24"	010YR0 6Hr	2.21	-4.96	0.01	2.96	2.59	5.2027	3.1837	3.5045	6.2668	6.8717
EX8-Ex9 24"	010YR1 2Hr	2.44	-5.09	-0.01	2.98	2.56	7.2883	6.1504	6.0677	10.3355	12.8933



Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
EX8-Ex9 24"	010YR2 4Hr	2.68	-4.65	-0.06	3.02	2.43	14.2291	12.1006	12.7557	16.0625	24.6870
EX8-Ex9 24"	1 1/4" 24hr	0.34	0.00	0.00	1.86	2.07	0.1906	0.0000	0.0926	0.2284	0.1573
EX8-Ex9 24"	100YR0 1hr	2.74	-7.24	0.19	3.04	2.64	1.7505	0.6716	1.0755	2.4354	3.0008
EX8-Ex9 24"	100YR0 2hr	3.21	-7.84	0.20	3.14	2.77	3.2033	1.1396	1.6157	3.8072	4.6405
EX8-Ex9 24"	100YR0 3hr	3.38	-7.86	0.28	3.17	2.81	4.1424	1.6260	2.1263	4.7202	5.6910
EX8-Ex9 24"	100YR0 6hr	3.80	-7.75	0.76	3.25	2.91	7.0936	3.0866	4.0355	7.5156	8.2885
EX8-Ex9 24"	100YR1 2hr	3.84	-6.93	-0.78	3.25	2.90	10.4812	6.0382	6.9358	12.5798	13.9533
EX8-Ex9 24"	100YR2 4hr	3.87	-5.91	0.76	3.23	2.80	17.2832	11.9845	13.4289	18.6271	24.7438
Ex1-Pond B	002YR0 1HR	10.88	0.00	0.02	2.53	4.77	0.8506	0.0000	1.1765	0.8526	0.8526
Ex1-Pond B	002YR0 2HR	12.89	0.00	0.04	2.65	5.03	1.3319	0.0000	1.4331	1.3322	1.3322
Ex1-Pond B	002YR0 3HR	13.38	0.00	-0.04	2.68	5.08	1.8211	0.0000	1.7401	1.8217	1.8217
Ex1-Pond B	002YR0 6HR	16.43	0.00	0.43	2.85	5.41	3.2870	0.0000	11.7672	3.2874	3.2881
Ex1-Pond B	002YR1 2HR	18.81	0.00	-0.10	2.98	5.60	6.2407	0.0000	12.2442	6.2409	6.2409
Ex1-Pond B	002YR2 4HR	20.06	0.00	0.21	3.19	5.71	12.1998	0.0000	13.1162	12.2470	12.1689
Ex1-Pond B	010YR0 1Hr	23.81	0.00	-0.10	3.22	6.08	0.8095	0.0000	0.7787	0.8096	0.8097
Ex1-Pond B	010YR0 2Hr	28.12	0.00	0.10	3.45	6.34	1.2887	0.0000	1.3923	1.2888	1.2888
Ex1-Pond B	010YR0 3Hr	28.64	0.00	-0.12	3.47	6.45	1.7812	0.0000	1.7644	1.7643	1.7644
Ex1-Pond B	010YR0 6Hr	33.25	0.00	-0.14	3.70	6.75	3.2504	0.0000	3.2052	3.2505	3.2506
Ex1-Pond B	010YR1 2Hr	34.14	0.00	-0.14	3.76	6.79	6.2129	0.0000	6.1493	6.2129	6.2130
Ex1-Pond B	010YR2 4Hr	33.64	0.00	-0.37	3.89	6.59	12.1676	0.0000	13.2955	12.1902	12.1064
Ex1-Pond B	1 1/4" 24hr	3.91	0.00	0.01	2.08	2.78	12.2511	0.0000	12.0988	12.2697	12.2075
Ex1-Pond B	100YR0 1hr	38.37	0.00	0.38	4.02	7.12	0.8039	0.0000	1.8200	0.8041	0.8415
Ex1-Pond B	100YR0	40.93	0.00	-0.84	4.25	7.29	1.2836	0.0000	2.5275	1.2836	1.2800

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
d B	2hr										
Ex1-Pond B	100YR0 3hr	41.38	0.00	0.95	4.30	7.29	1.7847	0.0000	3.3623	1.7847	1.8252
Ex1-Pond B	100YR0 6hr	43.50	0.00	-0.85	4.52	7.41	3.2575	0.0000	5.3346	3.2575	3.3048
Ex1-Pond B	100YR1 2hr	43.81	0.00	-1.41	4.55	7.41	6.2584	0.0000	8.6256	6.2584	6.1990
Ex1-Pond B	100YR2 4hr	41.97	0.00	1.30	4.41	6.71	12.1514	0.0000	14.9522	12.1408	12.0077
Ex4-Ex3 36"	002YR0 1HR	8.95	0.00	-0.01	2.37	3.34	0.8172	0.0000	0.9078	0.7652	0.6732
Ex4-Ex3 36"	002YR0 2HR	10.48	0.00	-0.01	2.47	3.36	1.3023	0.0000	1.4025	1.2499	1.1553
Ex4-Ex3 36"	002YR0 3HR	10.80	0.00	-0.01	2.49	3.34	1.7928	0.0000	1.8911	1.7427	1.6429
Ex4-Ex3 36"	002YR0 6HR	13.02	0.00	-0.01	2.59	3.21	3.2655	0.0000	3.3591	3.2003	3.1079
Ex4-Ex3 36"	002YR1 2HR	14.68	0.00	-0.01	2.64	3.02	6.2202	0.0000	6.3027	6.1938	6.0377
Ex4-Ex3 36"	002YR2 4HR	15.22	0.00	-0.04	2.65	2.91	12.1668	0.0000	13.1162	12.1473	12.1281
Ex4-Ex3 36"	010YR0 1Hr	18.71	0.00	-0.01	2.94	3.45	0.7858	0.0000	0.8708	0.7421	0.6415
Ex4-Ex3 36"	010YR0 2Hr	21.76	0.00	0.01	3.09	3.47	1.2715	0.0000	1.1780	1.2667	1.1870
Ex4-Ex3 36"	010YR0 3Hr	22.13	0.00	0.01	3.13	3.45	1.7645	0.0000	1.6653	1.7620	1.6747
Ex4-Ex3 36"	010YR0 6Hr	25.26	0.00	0.01	3.57	3.57	3.2506	0.0000	3.1206	3.2506	3.2506
Ex4-Ex3 36"	010YR1 2Hr	25.74	0.00	0.01	3.64	3.64	6.2333	0.0000	6.0650	6.2333	6.2333
Ex4-Ex3 36"	010YR2 4Hr	24.97	0.00	-0.34	3.53	3.53	12.1652	0.0000	13.3534	12.1652	12.1680
Ex4-Ex3 36"	1 1/4" 24hr	3.35	0.00	0.01	1.79	2.82	12.2153	0.0000	12.0635	12.2117	12.1083
Ex4-Ex3 36"	100YR0 1hr	29.11	0.00	0.07	4.12	4.12	0.9800	0.0000	1.8213	0.9800	0.9800
Ex4-Ex3 36"	100YR0 2hr	31.13	0.00	-0.28	4.40	4.40	1.5167	0.0000	2.4749	1.5167	1.5167
Ex4-Ex3 36"	100YR0 3hr	31.41	0.00	-0.41	4.44	4.44	1.9939	0.0000	2.9691	1.9939	1.9939
Ex4-Ex3 36"	100YR0 6hr	31.80	0.00	0.78	4.50	4.50	3.4183	0.0000	4.8173	3.4183	3.4183
Ex4-Ex3 36"	100YR1 2hr	31.05	0.00	-0.89	4.39	4.39	6.3355	0.0000	7.5137	6.3355	6.3355

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
Ex4-Ex3 36"	100YR2 4hr	28.52	0.00	-0.90	4.04	4.04	12.2041	0.0000	12.8397	12.2041	12.2041
Ex6-Ex5 30"	002YR0 1HR	7.79	0.00	-0.01	2.38	2.36	0.7900	0.0000	0.8790	0.7344	0.7266
Ex6-Ex5 30"	002YR0 2HR	9.05	0.00	-0.01	2.46	2.46	1.2764	0.0000	1.3699	1.2197	1.2152
Ex6-Ex5 30"	002YR0 3HR	9.32	0.00	-0.01	2.48	2.48	1.7687	0.0000	1.8657	1.7077	1.7034
Ex6-Ex5 30"	002YR0 6HR	11.04	0.00	-0.01	2.58	2.59	3.2405	0.0000	3.3485	3.1906	3.1875
Ex6-Ex5 30"	002YR1 2HR	12.23	0.00	-0.01	2.61	2.62	6.2011	0.0000	6.2867	6.1732	6.1732
Ex6-Ex5 30"	002YR2 4HR	12.43	0.00	-0.02	2.59	2.60	12.1499	0.0000	13.1162	12.1419	12.1418
Ex6-Ex5 30"	010YR0 1Hr	15.97	0.00	-0.01	3.25	3.25	0.7577	0.0000	0.8260	0.7577	0.7577
Ex6-Ex5 30"	010YR0 2Hr	18.31	0.00	0.02	3.73	3.73	1.2510	0.0000	1.1761	1.2510	1.2510
Ex6-Ex5 30"	010YR0 3Hr	18.55	0.00	0.02	3.78	3.78	1.7419	0.0000	1.6636	1.7419	1.7419
Ex6-Ex5 30"	010YR0 6Hr	20.81	0.00	0.02	4.24	4.24	3.2179	0.0000	3.1188	3.2179	3.2179
Ex6-Ex5 30"	010YR1 2Hr	20.84	0.00	-0.02	4.25	4.25	6.1576	0.0000	6.2591	6.1576	6.1576
Ex6-Ex5 30"	010YR2 4Hr	19.78	0.00	-0.43	4.03	4.03	12.1473	0.0000	13.4135	12.1473	12.1473
Ex6-Ex5 30"	1 1/4" 24hr	3.01	0.00	0.00	1.89	1.76	12.1897	0.0000	12.0494	12.1497	12.1444
Ex6-Ex5 30"	100YR0 1hr	23.94	0.00	-0.15	4.88	4.88	0.6713	0.0000	1.0752	0.6713	0.6713
Ex6-Ex5 30"	100YR0 2hr	25.50	0.00	-0.16	5.20	5.20	1.5668	0.0000	1.6822	1.5668	1.5668
Ex6-Ex5 30"	100YR0 3hr	25.45	0.00	-0.52	5.18	5.18	2.0500	0.0000	3.3768	2.0500	2.0500
Ex6-Ex5 30"	100YR0 6hr	24.02	0.00	0.40	4.89	4.89	3.4819	0.0000	5.7005	3.4819	3.4819
Ex6-Ex5 30"	100YR1 2hr	22.50	0.00	-0.37	4.58	4.58	6.3898	0.0000	8.9525	6.3898	6.3898
Ex6-Ex5 30"	100YR2 4hr	21.13	0.00	-0.29	4.30	4.30	11.9840	0.0000	12.8397	11.9840	11.9840
Ex7-Ex6 30"	002YR0 1HR	6.31	0.00	-0.01	2.69	2.45	0.7669	0.0000	0.8516	0.6631	0.6155
Ex7-Ex6 30"	002YR0 2HR	7.28	0.00	-0.01	2.73	2.48	1.2534	0.0000	1.3453	1.1422	1.0947
Ex7-Ex6 30"	002YR0 3HR	7.48	0.00	-0.01	2.72	2.44	1.7503	0.0000	1.8474	1.6312	1.5807

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
30"	3HR										
Ex7-Ex6 30"	002YR0 6HR	8.83	0.00	-0.01	2.71	2.29	3.2187	0.0000	3.3331	3.0966	3.0820
Ex7-Ex6 30"	002YR1 2HR	9.64	0.00	-0.01	2.62	2.17	6.1846	0.0000	6.2867	6.0450	6.1048
Ex7-Ex6 30"	002YR2 4HR	9.69	0.00	-0.01	2.48	2.06	12.1344	0.0000	12.2016	11.9585	12.0835
Ex7-Ex6 30"	010YR0 1Hr	12.51	0.00	0.02	2.86	2.66	0.7501	0.0000	0.7237	0.6270	0.5761
Ex7-Ex6 30"	010YR0 2Hr	14.23	0.00	-0.01	2.90	2.90	1.2364	0.0000	1.3906	1.2364	1.2364
Ex7-Ex6 30"	010YR0 3Hr	14.38	0.00	-0.01	2.93	2.93	1.7335	0.0000	1.8877	1.7335	1.7335
Ex7-Ex6 30"	010YR0 6Hr	16.05	0.00	0.01	3.27	3.27	3.2231	0.0000	3.1227	3.2231	3.2231
Ex7-Ex6 30"	010YR1 2Hr	16.55	0.00	0.02	3.37	3.37	6.1739	0.0000	6.0693	6.1739	6.1739
Ex7-Ex6 30"	010YR2 4Hr	15.06	0.00	-0.03	3.07	3.07	12.1423	0.0000	12.8814	12.1423	12.1423
Ex7-Ex6 30"	1 1/4" 24hr	2.52	0.00	0.00	2.30	1.93	12.1644	0.0000	12.0069	12.1130	0.2059
Ex7-Ex6 30"	100YR0 1hr	19.73	0.00	0.18	4.02	4.02	0.6859	0.0000	1.0751	0.6859	0.6859
Ex7-Ex6 30"	100YR0 2hr	20.08	0.00	0.22	4.09	4.09	1.2284	0.0000	1.6821	1.2284	1.2284
Ex7-Ex6 30"	100YR0 3hr	20.07	0.00	0.24	4.09	4.09	1.7292	0.0000	2.1970	1.7292	1.7292
Ex7-Ex6 30"	100YR0 6hr	20.28	0.00	0.16	4.13	4.13	3.2085	0.0000	3.8452	3.2085	3.2085
Ex7-Ex6 30"	100YR1 2hr	19.90	0.00	0.11	4.05	4.05	6.1750	0.0000	6.8271	6.1750	6.1750
Ex7-Ex6 30"	100YR2 4hr	19.27	0.00	0.12	3.93	3.93	12.1401	0.0000	13.1380	12.1401	12.1401
ExPond1 Outlet	002YR0 1HR	0.82	-0.85	0.02	1.50	2.43	1.3948	0.8025	0.9252	1.4258	1.3118
ExPond1 Outlet	002YR0 2HR	1.03	-1.15	0.02	1.63	-2.84	2.2764	1.3108	1.4507	2.2977	1.2583
ExPond1 Outlet	002YR0 3HR	1.08	-1.20	0.02	1.66	-2.95	3.2174	1.7906	1.9428	3.2388	1.7390
ExPond1 Outlet	002YR0 6HR	1.27	-1.59	0.02	-2.02	-3.57	5.2418	3.2727	3.4549	3.2727	3.2260
ExPond1 Outlet	002YR1 2HR	1.42	-1.89	0.02	-2.40	-3.90	8.0664	6.2338	6.4208	6.2338	6.2004
ExPond1 Outlet	002YR2 4HR	1.51	-2.06	0.02	-2.62	-3.77	14.1675	12.1782	12.3631	12.1782	12.1341

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
ExPond1 Outlet	010YR0 1Hr	1.54	-2.86	0.02	-3.64	-4.69	1.2703	0.7877	1.0384	0.7877	0.7878
ExPond1 Outlet	010YR0 2Hr	1.85	-3.61	0.02	-4.59	-5.29	2.1612	1.2717	1.5364	1.2717	1.2717
ExPond1 Outlet	010YR0 3Hr	1.92	-3.70	0.02	-4.71	-5.37	3.1984	1.7626	2.0252	1.7626	1.7626
ExPond1 Outlet	010YR0 6Hr	2.21	-4.43	0.02	-5.64	-6.04	5.2379	3.2351	3.5069	3.2351	3.2351
ExPond1 Outlet	010YR1 2Hr	2.41	-4.54	0.02	-5.78	-6.13	7.3178	6.2058	6.4535	6.2058	6.1921
ExPond1 Outlet	010YR2 4Hr	2.64	-4.23	0.02	-5.38	-5.46	14.2592	12.1259	12.4222	12.1259	12.1129
ExPond1 Outlet	1 1/4" 24hr	0.32	0.00	0.00	1.09	2.27	0.1145	0.0000	0.0827	0.1284	0.0827
ExPond1 Outlet	100YR0 1hr	2.68	-5.01	0.02	-6.38	-6.61	1.7589	0.7643	1.1142	0.7643	0.7543
ExPond1 Outlet	100YR0 2hr	3.17	-5.07	0.05	-6.46	-6.67	3.2075	1.2246	1.7040	1.2246	1.2148
ExPond1 Outlet	100YR0 3hr	3.34	-5.06	0.04	-6.44	-6.65	4.1548	1.7053	2.2177	1.7053	1.6956
ExPond1 Outlet	100YR0 6hr	3.78	-4.99	0.02	-6.35	-6.56	7.1475	3.1430	3.8685	3.1430	3.1327
ExPond1 Outlet	100YR1 2hr	3.84	-4.81	0.05	-6.12	-6.30	11.4153	6.0660	7.0210	6.0660	6.0501
ExPond1 Outlet	100YR2 4hr	3.86	-4.49	-0.01	-5.72	-5.72	17.3235	12.0602	11.7217	12.0602	12.0602
L1 - EastOutlet - Pipe	002YR0 1HR	0.88	0.00	0.00	0.00	0.00	1.6387	0.0000	0.8450	0.0000	0.0000
L1 - EastOutlet - Weir: 1	002YR0 1HR	0.88	0.00	0.00	4.49	4.49	1.6138	0.0000	0.8295	1.6138	1.6138
L1 - EastOutlet - Weir: 2	002YR0 1HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Weir: 3	002YR0 1HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Weir: 4	002YR0 1HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
L1 - EastOutlet - Pipe	002YR0 2HR	1.03	0.00	0.00	0.00	0.00	2.4274	0.0000	1.3161	0.0000	0.0000
L1 - EastOutlet - Weir: 1	002YR0 2HR	1.03	0.00	0.00	5.24	5.24	2.4274	0.0000	1.2920	2.4274	2.4274
L1 - EastOutlet - Weir: 2	002YR0 2HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Weir: 3	002YR0 2HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Weir: 4	002YR0 2HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Pipe	002YR0 3HR	1.08	0.00	0.00	0.00	0.00	3.3488	0.0000	1.8073	0.0000	0.0000
L1 - EastOutlet - Weir: 1	002YR0 3HR	1.08	0.00	0.00	5.48	5.48	3.3488	0.0000	1.7749	3.3488	3.3488
L1 - EastOutlet - Weir: 2	002YR0 3HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Weir: 3	002YR0 3HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Weir: 4	002YR0 3HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Pipe	002YR0 6HR	1.22	0.00	0.00	0.00	0.00	6.1981	0.0000	3.2969	0.0000	0.0000
L1 - EastOutlet - Weir: 1	002YR0 6HR	1.22	0.00	0.00	6.20	6.20	6.1606	0.0000	3.2053	6.1606	6.1606

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
L1 - EastOutlet - Weir: 2	002YR0 6HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Weir: 3	002YR0 6HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Weir: 4	002YR0 6HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Pipe	002YR1 2HR	1.49	0.00	0.00	0.00	0.00	8.8174	0.0000	7.2989	0.0000	0.0000
L1 - EastOutlet - Weir: 1	002YR1 2HR	1.30	0.00	0.00	6.62	6.62	8.8174	0.0000	6.0905	8.8174	8.8174
L1 - EastOutlet - Weir: 2	002YR1 2HR	0.19	0.00	0.00	1.51	1.51	8.7916	0.0000	7.2794	8.7916	8.7916
L1 - EastOutlet - Weir: 3	002YR1 2HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Weir: 4	002YR1 2HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Pipe	002YR2 4HR	2.00	0.00	0.00	0.00	0.00	14.0689	0.0000	13.0182	0.0000	0.0000
L1 - EastOutlet - Weir: 1	002YR2 4HR	1.36	0.00	0.00	6.91	6.91	13.9812	0.0000	11.8785	13.9812	13.9812
L1 - EastOutlet - Weir: 2	002YR2 4HR	0.64	0.00	0.00	2.25	2.25	13.9812	0.0000	13.0052	13.9812	13.9812
L1 - EastOutlet -	002YR2 4HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
Weir: 3											
L1 - EastOutlet - Weir: 4	002YR2 4HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Pipe	010YR0 1Hr	1.42	0.00	0.00	0.00	0.00	1.6279	0.0000	0.7329	0.0000	0.0000
L1 - EastOutlet - Weir: 1	010YR0 1Hr	1.29	0.00	0.00	6.55	6.55	1.6279	0.0000	0.7329	1.6279	1.6279
L1 - EastOutlet - Weir: 2	010YR0 1Hr	0.13	0.00	0.00	1.34	1.34	1.6279	0.0000	2.1322	1.6279	1.6279
L1 - EastOutlet - Weir: 3	010YR0 1Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Weir: 4	010YR0 1Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Pipe	010YR0 2Hr	2.38	0.00	0.00	0.00	0.00	2.3968	0.0000	2.0596	0.0000	0.0000
L1 - EastOutlet - Weir: 1	010YR0 2Hr	1.40	0.00	0.00	7.14	7.14	2.3802	0.0000	1.2006	2.3802	2.3802
L1 - EastOutlet - Weir: 2	010YR0 2Hr	0.98	0.00	0.00	3.19	3.19	2.3802	0.0000	2.1045	2.3802	2.3802
L1 - EastOutlet - Weir: 3	010YR0 2Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Weir: 4	010YR0 2Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet	010YR0 3Hr	2.55	0.00	0.00	0.00	0.00	3.2842	0.0000	2.6017	0.0000	0.0000



Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
et - Pipe											
L1 - EastOutlet - Weir: 1	010YR0 3Hr	1.44	0.00	0.00	7.31	7.31	3.2533	0.0000	1.6795	3.2533	3.2533
L1 - EastOutlet - Weir: 2	010YR0 3Hr	1.12	0.00	0.00	3.64	3.64	3.2533	0.0000	2.6295	3.2533	3.2533
L1 - EastOutlet - Weir: 3	010YR0 3Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Weir: 4	010YR0 3Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Pipe	010YR0 6Hr	3.00	0.00	0.00	0.00	0.00	5.1638	0.0000	8.2215	0.0000	0.0000
L1 - EastOutlet - Weir: 1	010YR0 6Hr	1.54	0.00	0.00	7.82	7.82	5.0951	0.0000	3.0924	5.0951	5.0951
L1 - EastOutlet - Weir: 2	010YR0 6Hr	1.47	0.00	0.00	4.78	4.78	5.0951	0.0000	8.2108	5.0951	5.0951
L1 - EastOutlet - Weir: 3	010YR0 6Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Weir: 4	010YR0 6Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Pipe	010YR1 2Hr	3.29	0.00	0.00	0.00	0.00	7.7812	0.0000	12.6605	0.0000	0.0000
L1 - EastOutlet - Weir: 1	010YR1 2Hr	1.61	0.00	0.00	8.19	8.19	7.7812	0.0000	5.9247	7.7812	7.7812
L1 - EastOutlet	010YR1 2Hr	1.68	0.00	0.00	5.47	5.47	7.7812	0.0000	13.1751	7.7812	7.7812

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
et - Weir: 2											
L1 - EastOutlet - Weir: 3	010YR1 2Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Weir: 4	010YR1 2Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Pipe	010YR2 4Hr	3.51	0.00	0.00	0.00	0.00	13.7160	0.0000	20.3060	0.0000	0.0000
L1 - EastOutlet - Weir: 1	010YR2 4Hr	1.67	0.00	0.00	8.50	8.50	13.6626	0.0000	11.1937	13.6626	13.6626
L1 - EastOutlet - Weir: 2	010YR2 4Hr	1.84	0.00	0.00	6.00	6.00	13.6626	0.0000	20.6873	13.6626	13.6626
L1 - EastOutlet - Weir: 3	010YR2 4Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Weir: 4	010YR2 4Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Pipe	1 1/4" 24hr	0.52	0.00	0.00	0.00	0.00	14.3011	0.0000	12.5844	0.0000	0.0000
L1 - EastOutlet - Weir: 1	1 1/4" 24hr	0.52	0.00	0.00	2.64	2.64	14.3011	0.0000	13.2375	14.3011	14.3011
L1 - EastOutlet - Weir: 2	1 1/4" 24hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Weir: 3	1 1/4" 24hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 -	1 1/4"	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
EastOutlet - Weir: 4	24hr										
L1 - EastOutlet - Pipe	100YR0 1hr	3.48	0.00	0.00	0.00	0.00	1.5843	0.0000	0.9835	0.0000	0.0000
L1 - EastOutlet - Weir: 1	100YR0 1hr	1.66	0.00	0.00	8.45	8.45	1.5679	0.0000	0.6710	1.5679	1.5679
L1 - EastOutlet - Weir: 2	100YR0 1hr	1.82	0.00	0.00	5.93	5.93	1.5679	0.0000	0.9845	1.5679	1.5679
L1 - EastOutlet - Weir: 3	100YR0 1hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Weir: 4	100YR0 1hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Pipe	100YR0 2hr	4.16	0.00	0.00	0.00	0.00	2.3896	0.0000	1.3895	0.0000	0.0000
L1 - EastOutlet - Weir: 1	100YR0 2hr	1.86	0.00	0.00	9.48	9.48	2.3693	0.0000	1.1262	2.3693	2.3693
L1 - EastOutlet - Weir: 2	100YR0 2hr	2.30	0.00	0.00	7.49	7.49	2.3693	0.0000	1.3888	2.3693	2.3693
L1 - EastOutlet - Weir: 3	100YR0 2hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Weir: 4	100YR0 2hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Pipe	100YR0 3hr	4.76	0.00	0.00	0.00	0.00	3.2498	0.0000	1.8711	0.0000	0.0000
L1 -	100YR0	1.90	0.00	0.00	9.68	9.68	3.4740	0.0000	1.5839	3.4740	3.4740

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
EastOutlet - Weir: 1	3hr										
L1 - EastOutlet - Weir: 2	100YR0 3hr	2.42	0.00	0.00	7.88	7.88	3.2290	0.0000	1.8717	3.2290	3.2290
L1 - EastOutlet - Weir: 3	100YR0 3hr	0.44	0.00	0.00	0.97	0.97	3.2290	0.0000	3.0716	3.2290	3.2290
L1 - EastOutlet - Weir: 4	100YR0 3hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Pipe	100YR0 6hr	9.05	0.00	0.00	0.00	0.00	4.2348	0.0000	3.8755	0.0000	0.0000
L1 - EastOutlet - Weir: 1	100YR0 6hr	1.90	0.00	0.00	9.68	9.68	6.4519	0.0000	3.6798	6.4519	6.4519
L1 - EastOutlet - Weir: 2	100YR0 6hr	2.57	0.00	0.00	8.38	8.38	4.2348	0.0000	12.3528	4.2348	4.2348
L1 - EastOutlet - Weir: 3	100YR0 6hr	4.65	0.00	0.00	2.33	2.33	4.2348	0.0000	3.8755	4.2348	4.2348
L1 - EastOutlet - Weir: 4	100YR0 6hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Pipe	100YR1 2hr	10.29	0.00	0.00	0.00	0.00	7.1179	0.0000	6.5786	0.0000	0.0000
L1 - EastOutlet - Weir: 1	100YR1 2hr	1.90	0.00	0.00	9.68	9.68	9.6024	0.0000	5.0872	9.6024	9.6024
L1 - EastOutlet - Weir: 2	100YR1 2hr	2.62	0.00	0.00	8.55	8.55	7.1006	0.0000	17.2165	7.1006	7.1006

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
L1 - EastOutlet - Weir: 3	100YR1 2hr	5.87	0.00	0.01	2.93	2.93	7.1006	0.0000	6.6613	7.1006	7.1006
L1 - EastOutlet - Weir: 4	100YR1 2hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L1 - EastOutlet - Pipe	100YR2 4hr	10.06	0.00	0.00	0.00	0.00	13.0256	0.0000	12.4729	0.0000	0.0000
L1 - EastOutlet - Weir: 1	100YR2 4hr	1.90	0.00	0.00	9.68	9.68	15.2611	0.0000	12.4555	15.2611	15.2611
L1 - EastOutlet - Weir: 2	100YR2 4hr	2.61	0.00	0.00	8.51	8.51	12.9987	0.0000	12.0816	12.9987	12.9987
L1 - EastOutlet - Weir: 3	100YR2 4hr	5.64	0.00	0.00	2.82	2.82	12.9987	0.0000	12.7105	12.9987	12.9987
L1 - EastOutlet - Weir: 4	100YR2 4hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L2-ExpondA - Pipe	002YR0 1HR	0.26	0.00	0.00	0.00	0.00	1.7533	0.0000	0.8612	0.0000	0.0000
L2-ExpondA - Weir: 1	002YR0 1HR	0.26	0.00	0.00	1.26	1.26	1.7243	0.0000	0.8612	1.7243	1.7243
L2-ExpondA - Pipe	002YR0 2HR	0.45	0.00	0.00	0.00	0.00	2.5498	0.0000	1.9589	0.0000	0.0000
L2-ExpondA - Weir: 1	002YR0 2HR	0.45	0.00	0.00	1.53	1.53	2.5371	0.0000	1.9386	2.5371	2.5371
L2-ExpondA - Pipe	002YR0 3HR	0.53	0.00	0.00	0.00	0.00	3.4909	0.0000	2.9826	0.0000	0.0000
L2-ExpondA - Weir: 1	002YR0 3HR	0.53	0.00	0.00	1.63	1.63	3.4224	0.0000	3.0388	3.4909	3.4909

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
L2-ExPo ndA - Pipe	002YR0 6HR	0.82	0.00	0.00	0.00	0.00	6.3308	0.0000	3.2918	0.0000	0.0000
L2-ExPo ndA - Weir: 1	002YR0 6HR	0.82	0.00	0.00	2.33	2.33	6.2806	0.0000	6.7871	6.2806	6.2806
L2-ExPo ndA - Pipe	002YR1 2HR	1.01	0.00	0.00	0.00	0.00	12.1002	0.0000	6.2867	0.0000	0.0000
L2-ExPo ndA - Weir: 1	002YR1 2HR	1.01	0.00	0.00	2.86	2.86	12.1002	0.0000	19.2941	12.1002	12.1002
L2-ExPo ndA - Pipe	002YR2 4HR	1.15	0.00	0.00	0.00	0.00	17.7896	0.0000	12.2770	0.0000	0.0000
L2-ExPo ndA - Weir: 1	002YR2 4HR	1.15	0.00	0.00	3.25	3.25	17.7896	0.0000	11.9419	17.7896	17.7896
L2-ExPo ndA - Pipe	010YR0 1Hr	0.89	-1.32	0.01	0.00	0.00	1.6928	0.8865	1.0295	0.0000	0.0000
L2-ExPo ndA - Weir: 1	010YR0 1Hr	0.89	-1.32	0.01	-3.75	-3.75	1.6472	0.8864	1.0292	0.8864	0.8864
L2-ExPo ndA - Pipe	010YR0 2Hr	1.15	-1.76	0.01	0.00	0.00	2.5199	1.3888	1.5665	0.0000	0.0000
L2-ExPo ndA - Weir: 1	010YR0 2Hr	1.15	-1.76	0.02	-4.99	-4.99	2.5001	1.3887	1.5665	1.3887	1.3887
L2-ExPo ndA - Pipe	010YR0 3Hr	1.24	-1.80	0.02	0.00	0.00	3.4279	1.8809	2.0603	0.0000	0.0000
L2-ExPo ndA - Weir: 1	010YR0 3Hr	1.24	-1.80	0.02	-5.11	-5.11	3.4279	1.8808	2.0603	1.8808	1.8808
L2-ExPo ndA - Pipe	010YR0 6Hr	1.52	-2.04	0.02	0.00	0.00	6.3084	3.3736	3.5865	0.0000	0.0000
L2-ExPo ndA - Weir: 1	010YR0 6Hr	1.52	-2.04	0.01	-5.80	-5.80	6.3084	3.3736	3.5853	3.3736	3.3736
L2-ExPo ndA - Pipe	010YR1 2Hr	1.68	-2.01	0.01	0.00	0.00	12.0558	6.3264	6.5534	0.0000	0.0000

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
L2-ExPo ndA - Weir: 1	010YR1 2Hr	1.68	-2.01	0.01	-5.70	-5.70	12.0558	6.3263	6.5534	6.3263	6.3263
L2-ExPo ndA - Pipe	010YR2 4Hr	1.78	-1.88	0.01	0.00	0.00	17.7348	12.2669	12.4620	0.0000	0.0000
L2-ExPo ndA - Weir: 1	010YR2 4Hr	1.78	-1.88	0.01	-5.33	-5.33	17.7348	12.2669	12.4619	12.2669	12.2669
L2-ExPo ndA - Pipe	1 1/4" 24hr	0.12	0.00	0.00	0.00	0.00	23.9903	0.0000	14.4511	0.0000	0.0000
L2-ExPo ndA - Weir: 1	1 1/4" 24hr	0.12	0.00	0.00	1.00	1.00	23.9903	0.0000	14.4511	23.9903	23.9903
L2-ExPo ndA - Pipe	100YR0 1hr	1.62	-2.18	0.02	0.00	0.00	1.6729	0.8519	1.4217	0.0000	0.0000
L2-ExPo ndA - Weir: 1	100YR0 1hr	1.62	-2.18	0.02	-6.17	-6.17	1.6689	0.8518	1.4217	0.8518	0.8518
L2-ExPo ndA - Pipe	100YR0 2hr	1.98	-2.19	0.01	0.00	0.00	2.5369	1.3119	2.1117	0.0000	0.0000
L2-ExPo ndA - Weir: 1	100YR0 2hr	1.98	-2.19	0.02	-6.22	-6.22	2.4967	1.3119	2.1116	1.3119	1.3119
L2-ExPo ndA - Pipe	100YR0 3hr	2.09	-2.18	0.01	0.00	0.00	3.4282	1.7978	2.6239	0.0000	0.0000
L2-ExPo ndA - Weir: 1	100YR0 3hr	2.09	-2.18	0.02	-6.17	-6.17	3.4190	1.7977	2.6239	1.7977	1.7977
L2-ExPo ndA - Pipe	100YR0 6hr	2.36	-2.12	0.01	0.00	0.00	6.2984	3.2527	4.2348	0.0000	0.0000
L2-ExPo ndA - Weir: 1	100YR0 6hr	2.36	-2.12	0.01	6.68	6.68	6.2887	3.2527	4.2339	6.2887	6.2887
L2-ExPo ndA - Pipe	100YR1 2hr	2.45	-2.04	0.01	0.00	0.00	12.1414	6.2067	7.1430	0.0000	0.0000
L2-ExPo ndA - Weir: 1	100YR1 2hr	2.45	-2.04	0.01	6.95	6.95	12.1414	6.2067	7.1431	12.1414	12.1414

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
L2-ExPo ndA - Pipe	100YR2 4hr	2.43	-1.92	0.02	0.00	0.00	18.1107	12.1570	11.9216	0.0000	0.0000
L2-ExPo ndA - Weir: 1	100YR2 4hr	2.43	-1.92	0.05	6.90	6.90	18.1107	12.1569	11.9216	18.1107	18.1107
L3-526 - Pipe	002YR0 1HR	1.07	0.00	0.11	0.00	0.00	2.5931	0.0000	0.0000	0.0000	0.0000
L3-526 - Weir: 1	002YR0 1HR	1.07	0.00	-0.03	1.94	1.94	2.5931	0.0000	0.0000	2.5931	2.5931
L3-526 - Weir: 2	002YR0 1HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L3-526 - Weir: 3	002YR0 1HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L3-526 - Pipe	002YR0 2HR	1.62	0.00	0.11	0.00	0.00	3.2928	0.0000	0.0000	0.0000	0.0000
L3-526 - Weir: 1	002YR0 2HR	1.62	0.00	-0.03	2.26	2.26	3.2401	0.0000	0.0000	3.2401	3.2401
L3-526 - Weir: 2	002YR0 2HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L3-526 - Weir: 3	002YR0 2HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L3-526 - Pipe	002YR0 3HR	1.82	0.00	0.11	0.00	0.00	4.0038	0.0000	0.0000	0.0000	0.0000
L3-526 - Weir: 1	002YR0 3HR	1.82	0.00	-0.03	2.38	2.38	4.0038	0.0000	0.0000	4.0038	4.0038
L3-526 - Weir: 2	002YR0 3HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L3-526 - Weir: 3	002YR0 3HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L3-526 - Pipe	002YR0 6HR	2.55	0.00	0.11	0.00	0.00	6.1368	3.2519	0.0000	0.0000	0.0000
L3-526 - Weir: 1	002YR0 6HR	2.55	0.00	-0.03	3.25	3.25	6.1368	3.2516	0.0000	6.1368	6.1368
L3-526 - Weir: 2	002YR0 6HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L3-526 - Weir: 3	002YR0 6HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L3-526 - Pipe	002YR1 2HR	2.90	-0.32	0.11	0.00	0.00	9.2438	6.2079	0.0000	0.0000	0.0000
L3-526 - Weir: 1	002YR1 2HR	2.90	-0.32	-0.03	3.70	3.70	9.1413	6.2076	0.0000	9.1413	9.1413
L3-526 - Weir: 2	002YR1 2HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L3-526 -	002YR1	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000



Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
Weir: 3	2HR										
L3-526 - Pipe	002YR2 4HR	3.25	-0.25	0.11	0.00	0.00	14.9131	12.1451	0.0000	0.0000	0.0000
L3-526 - Weir: 1	002YR2 4HR	3.25	-0.25	-0.03	4.14	4.14	14.9131	12.1450	0.0000	14.9131	14.9131
L3-526 - Weir: 2	002YR2 4HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L3-526 - Weir: 3	002YR2 4HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L3-526 - Pipe	010YR0 1Hr	2.75	-1.04	0.11	0.00	0.00	2.5259	0.7940	0.0000	0.0000	0.0000
L3-526 - Weir: 1	010YR0 1Hr	2.75	-1.04	-0.03	3.51	3.51	2.5259	0.7940	0.0000	2.5259	2.5259
L3-526 - Weir: 2	010YR0 1Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L3-526 - Weir: 3	010YR0 1Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L3-526 - Pipe	010YR0 2Hr	3.35	-1.65	0.11	0.00	0.00	3.2673	1.2792	0.0000	0.0000	0.0000
L3-526 - Weir: 1	010YR0 2Hr	3.35	-1.65	-0.03	4.26	4.26	3.2673	1.2791	0.0000	3.2673	3.2673
L3-526 - Weir: 2	010YR0 2Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L3-526 - Weir: 3	010YR0 2Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L3-526 - Pipe	010YR0 3Hr	3.55	-1.74	0.11	0.00	0.00	4.0010	1.7697	0.0000	0.0000	0.0000
L3-526 - Weir: 1	010YR0 3Hr	3.55	-1.74	-0.03	4.52	4.52	4.0010	1.7696	0.0000	4.0010	4.0010
L3-526 - Weir: 2	010YR0 3Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L3-526 - Weir: 3	010YR0 3Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L3-526 - Pipe	010YR0 6Hr	4.11	-2.64	0.11	0.00	0.00	6.3373	3.2358	0.0000	0.0000	0.0000
L3-526 - Weir: 1	010YR0 6Hr	4.11	-2.64	-0.03	5.23	5.23	6.3233	3.2357	0.0000	6.3233	6.3233
L3-526 - Weir: 2	010YR0 6Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L3-526 - Weir: 3	010YR0 6Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L3-526 - Pipe	010YR1 2Hr	4.41	-2.79	0.11	0.00	0.00	9.5768	6.1918	0.0000	0.0000	0.0000
L3-526 - Weir: 1	010YR1 2Hr	4.41	-2.79	-0.03	5.61	5.61	9.5175	6.1917	0.0000	9.5175	9.5175

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
L3-526 - Weir: 2	010YR1 2Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L3-526 - Weir: 3	010YR1 2Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L3-526 - Pipe	010YR2 4Hr	4.65	-2.15	0.11	0.00	0.00	15.2717	12.1395	0.0000	0.0000	0.0000
L3-526 - Weir: 1	010YR2 4Hr	4.65	-2.15	-0.03	5.92	5.92	15.1758	12.1395	0.0000	15.1758	15.1758
L3-526 - Weir: 2	010YR2 4Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L3-526 - Weir: 3	010YR2 4Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L3-526 - Pipe	1 1/4" 24hr	0.43	0.00	0.11	0.00	0.00	16.8153	0.0000	0.0000	0.0000	0.0000
L3-526 - Weir: 1	1 1/4" 24hr	0.43	0.00	-0.03	1.46	1.46	16.6764	0.0000	0.0000	16.6764	16.6764
L3-526 - Weir: 2	1 1/4" 24hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L3-526 - Weir: 3	1 1/4" 24hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L3-526 - Pipe	100YR0 1hr	4.35	-4.39	0.11	0.00	0.00	2.6842	0.7716	0.0000	0.0000	0.0000
L3-526 - Weir: 1	100YR0 1hr	4.35	-4.39	-0.03	-5.59	-5.59	2.6842	0.7715	0.0000	0.7715	0.7715
L3-526 - Weir: 2	100YR0 1hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L3-526 - Weir: 3	100YR0 1hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
L3-526 - Pipe	100YR0 2hr	6.10	-5.24	0.11	0.00	0.00	3.3232	1.2679	0.0000	0.0000	0.0000
L3-526 - Weir: 1	100YR0 2hr	4.98	-5.24	-0.03	-6.67	-6.67	4.0240	1.2679	0.0000	1.2679	1.2679
L3-526 - Weir: 2	100YR0 2hr	0.54	0.00	0.00	2.16	2.16	3.3287	0.0000	4.0614	3.3287	3.3287
L3-526 - Weir: 3	100YR0 2hr	0.81	0.00	0.00	0.89	0.89	3.3287	0.0000	3.3915	3.3287	3.3287
L3-526 - Pipe	100YR0 3hr	9.42	-5.35	0.11	0.00	0.00	3.8301	1.7602	0.0000	0.0000	0.0000
L3-526 - Weir: 1	100YR0 3hr	4.98	-5.35	-0.03	-6.81	-6.81	5.3925	1.7602	0.0000	1.7602	1.7602
L3-526 - Weir: 2	100YR0 3hr	0.78	0.00	0.00	3.10	3.10	3.5996	0.0000	3.0032	3.5996	3.5996
L3-526 - Weir: 3	100YR0 3hr	6.74	0.00	0.01	1.78	1.78	3.8477	0.0000	3.2776	3.7403	3.7403
L3-526 -	100YR0	10.84	-6.43	0.11	0.00	0.00	6.3997	3.2445	0.0000	0.0000	0.0000

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
Pipe	6hr										
L3-526 - Weir: 1	100YR0 6hr	4.98	-5.72	-0.03	-7.29	-7.29	9.2093	3.2242	0.0000	3.2242	3.2242
L3-526 - Weir: 2	100YR0 6hr	0.77	-0.48	0.00	3.08	3.08	8.2835	3.2472	8.2306	8.2835	8.2835
L3-526 - Weir: 3	100YR0 6hr	9.72	-0.27	-0.01	1.77	1.77	6.3647	3.2472	8.2306	8.2229	8.2229
L3-526 - Pipe	100YR1 2hr	11.01	-5.53	0.11	0.00	0.00	9.4010	6.2031	0.0000	0.0000	0.0000
L3-526 - Weir: 1	100YR1 2hr	4.98	-5.30	-0.03	-6.75	-6.75	13.9226	6.1936	0.0000	6.1936	6.1936
L3-526 - Weir: 2	100YR1 2hr	0.77	-0.24	0.00	3.08	3.08	12.8932	6.2090	7.0203	12.8932	12.8932
L3-526 - Weir: 3	100YR1 2hr	9.87	0.00	-0.01	1.78	1.78	9.4010	0.0000	12.8688	12.8179	12.8179
L3-526 - Pipe	100YR2 4hr	11.00	-4.03	0.11	0.00	0.00	15.1140	12.1429	0.0000	0.0000	0.0000
L3-526 - Weir: 1	100YR2 4hr	4.98	-4.03	-0.03	6.34	6.34	20.3627	12.1429	0.0000	20.3627	20.3627
L3-526 - Weir: 2	100YR2 4hr	0.77	0.00	0.00	3.08	3.08	18.6352	0.0000	12.8395	18.6352	18.6352
L3-526 - Weir: 3	100YR2 4hr	9.86	0.00	0.01	1.77	1.77	15.1131	0.0000	13.0297	18.5410	18.5410
Lake 4 - 512 - Pipe	002YR0 1HR	1.10	0.00	0.00	0.00	0.00	2.9916	0.0000	0.9304	0.0000	0.0000
Lake 4 - 512 - Weir: 1	002YR0 1HR	1.05	0.00	0.00	4.22	4.22	2.9916	0.0000	0.9356	2.9916	2.9916
Lake 4 - 512 - Weir: 2	002YR0 1HR	0.05	0.00	0.00	0.00	0.00	2.9916	0.0000	2.7970	0.0000	0.0000
Lake 4 - 512 - Pipe	002YR0 2HR	3.96	0.00	0.01	0.00	0.00	2.5026	0.0000	2.0545	0.0000	0.0000
Lake 4 - 512 - Weir: 1	002YR0 2HR	1.22	0.00	0.00	4.87	4.87	2.4965	0.0000	1.3889	2.4965	2.4965
Lake 4 - 512 - Weir: 2	002YR0 2HR	2.74	0.00	0.00	1.67	1.67	2.4965	0.0000	2.0462	2.4965	2.4965
Lake 4 - 512 - Pipe	002YR0 3HR	5.38	0.00	0.01	0.00	0.00	3.3445	0.0000	2.9826	0.0000	0.0000
Lake 4 -	002YR0	1.27	0.00	0.00	5.06	5.06	3.3386	0.0000	1.8716	3.3386	3.3386

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
512 - Weir: 1	3HR										
Lake 4 - 512 - Weir: 2	002YR0 3HR	4.11	0.00	0.01	1.91	1.91	3.3386	0.0000	3.0420	3.3386	3.3386
Lake 4 - 512 - Pipe	002YR0 6HR	8.40	0.00	0.01	0.00	0.00	5.1487	0.0000	4.2028	0.0000	0.0000
Lake 4 - 512 - Weir: 1	002YR0 6HR	1.33	0.00	0.00	5.33	5.33	6.4140	0.0000	3.2865	6.4140	6.4140
Lake 4 - 512 - Weir: 2	002YR0 6HR	7.09	0.00	0.01	2.30	2.30	5.1487	0.0000	4.1844	5.1487	5.1487
Lake 4 - 512 - Pipe	002YR1 2HR	11.65	0.00	0.01	0.00	0.00	7.2794	0.0000	6.4810	0.0000	0.0000
Lake 4 - 512 - Weir: 1	002YR1 2HR	1.33	0.00	0.00	5.33	5.33	10.9856	0.0000	6.8937	10.9856	10.9856
Lake 4 - 512 - Weir: 2	002YR1 2HR	10.40	0.00	0.01	2.61	2.61	7.2794	0.0000	6.5301	7.3205	7.3205
Lake 4 - 512 - Pipe	002YR2 4HR	16.31	0.00	0.01	0.00	0.00	12.9405	0.0000	12.3324	0.0000	0.0000
Lake 4 - 512 - Weir: 1	002YR2 4HR	1.33	0.00	0.00	5.33	5.33	17.9697	0.0000	13.5453	17.9697	17.9697
Lake 4 - 512 - Weir: 2	002YR2 4HR	15.14	0.00	-0.01	2.96	2.96	12.9360	0.0000	14.6828	12.9360	12.9360
Lake 4 - 512 - Pipe	010YR0 1Hr	12.79	0.00	-0.01	0.00	0.00	1.4689	0.0000	1.9480	0.0000	0.0000
Lake 4 - 512 - Weir: 1	010YR0 1Hr	1.33	0.00	0.00	5.33	5.33	2.6584	0.0000	1.8726	2.6584	2.6584
Lake 4 - 512 - Weir: 2	010YR0 1Hr	11.56	0.00	-0.01	2.70	2.70	1.4676	0.0000	1.8075	1.4744	1.4744
Lake 4 - 512 - Pipe	010YR0 2Hr	19.66	0.00	-0.01	0.00	0.00	2.1491	0.0000	2.5913	0.0000	0.0000
Lake 4 -	010YR0	1.33	0.00	0.00	5.33	5.33	4.3422	0.0000	2.5879	4.3422	4.3422

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
512 - Weir: 1	2Hr										
Lake 4 - 512 - Weir: 2	010YR0 2Hr	18.55	0.00	-0.02	3.11	3.11	2.1472	0.0000	2.5404	2.1472	2.1472
Lake 4 - 512 - Pipe	010YR0 3Hr	20.25	0.00	-0.02	0.00	0.00	2.6469	0.0000	3.5576	0.0000	0.0000
Lake 4 - 512 - Weir: 1	010YR0 3Hr	1.33	0.00	0.00	5.33	5.33	5.3353	0.0000	3.4847	5.3353	5.3353
Lake 4 - 512 - Weir: 2	010YR0 3Hr	19.15	0.00	-0.01	3.13	3.13	2.6469	0.0000	3.5728	2.6486	2.6486
Lake 4 - 512 - Pipe	010YR0 6Hr	25.49	0.00	-0.02	0.00	0.00	3.9992	0.0000	3.6476	0.0000	0.0000
Lake 4 - 512 - Weir: 1	010YR0 6Hr	1.33	0.00	0.00	5.33	5.33	8.3460	0.0000	5.9561	8.3460	8.3460
Lake 4 - 512 - Weir: 2	010YR0 6Hr	24.42	0.00	-0.04	3.21	3.21	3.9971	0.0000	3.6476	4.0964	4.0964
Lake 4 - 512 - Pipe	010YR1 2Hr	30.34	0.00	-0.02	0.00	0.00	6.9032	0.0000	6.4447	0.0000	0.0000
Lake 4 - 512 - Weir: 1	010YR1 2Hr	1.33	0.00	0.00	5.33	5.33	13.6982	0.0000	9.2974	13.6982	13.6982
Lake 4 - 512 - Weir: 2	010YR1 2Hr	29.28	0.00	-0.04	3.30	3.30	6.9032	0.0000	6.4447	6.9225	6.9225
Lake 4 - 512 - Pipe	010YR2 4Hr	35.58	0.00	0.02	0.00	0.00	12.7379	0.0000	14.4748	0.0000	0.0000
Lake 4 - 512 - Weir: 1	010YR2 4Hr	1.33	0.00	0.00	5.33	5.33	24.5347	0.0000	12.1957	24.5347	24.5347
Lake 4 - 512 - Weir: 2	010YR2 4Hr	34.54	0.00	0.04	3.84	3.84	12.7365	0.0000	14.4748	12.7365	12.7365
Lake 4 - 512 - Pipe	1 1/4" 24hr	0.83	0.00	0.00	0.00	0.00	23.9878	0.0000	12.5817	0.0000	0.0000
Lake 4 -	1 1/4"	0.83	0.00	0.00	3.32	3.32	23.9878	0.0000	12.5778	23.9878	23.9878

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
512 - Weir: 1	24hr										
Lake 4 - 512 - Weir: 2	1 1/4" 24hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Lake 4 - 512 - Pipe	100YR0 1hr	35.27	0.00	-0.02	0.00	0.00	1.4216	0.0000	2.0266	0.0000	0.0000
Lake 4 - 512 - Weir: 1	100YR0 1hr	1.33	0.00	0.00	5.33	5.33	0.8559	0.0000	0.9435	0.8559	0.8559
Lake 4 - 512 - Weir: 2	100YR0 1hr	34.23	0.00	-0.03	3.80	3.80	1.4204	0.0000	1.0070	1.4204	1.4204
Lake 4 - 512 - Pipe	100YR0 2hr	42.85	0.00	0.03	0.00	0.00	2.1650	0.0000	1.5327	0.0000	0.0000
Lake 4 - 512 - Weir: 1	100YR0 2hr	1.33	0.00	0.00	5.33	5.33	1.2979	0.0000	1.3672	1.2979	1.2979
Lake 4 - 512 - Weir: 2	100YR0 2hr	41.69	0.00	0.03	4.63	4.63	2.1650	0.0000	3.6683	2.1650	2.1650
Lake 4 - 512 - Pipe	100YR0 3hr	43.98	0.00	0.03	0.00	0.00	2.6916	0.0000	2.0217	0.0000	0.0000
Lake 4 - 512 - Weir: 1	100YR0 3hr	1.33	0.00	0.00	5.33	5.33	8.3473	0.0000	1.8333	8.3473	8.3473
Lake 4 - 512 - Weir: 2	100YR0 3hr	42.79	0.00	0.03	4.75	4.75	2.6916	0.0000	4.7148	2.6916	2.6916
Lake 4 - 512 - Pipe	100YR0 6hr	48.23	0.00	0.02	0.00	0.00	4.1115	0.0000	3.2823	0.0000	0.0000
Lake 4 - 512 - Weir: 1	100YR0 6hr	1.33	0.00	0.00	5.33	5.33	12.0727	0.0000	3.2333	12.0727	12.0727
Lake 4 - 512 - Weir: 2	100YR0 6hr	46.92	0.00	0.03	5.21	5.21	4.1115	0.0000	7.5288	4.1115	4.1115
Lake 4 - 512 - Pipe	100YR1 2hr	49.28	0.00	0.03	0.00	0.00	7.0380	0.0000	6.2279	0.0000	0.0000
Lake 4 -	100YR1	1.33	0.00	0.00	5.33	5.33	6.0694	0.0000	6.1292	6.0694	6.0694

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
512 - Weir: 1	2hr										
Lake 4 - 512 - Weir: 2	100YR1 2hr	47.95	0.00	0.04	5.33	5.33	7.0380	0.0000	12.1371	7.0380	7.0380
Lake 4 - 512 - Pipe	100YR2 4hr	49.54	0.00	0.03	0.00	0.00	12.8826	0.0000	12.1356	0.0000	0.0000
Lake 4 - 512 - Weir: 1	100YR2 4hr	1.34	0.00	0.00	5.36	5.36	12.8826	0.0000	11.9777	12.8826	12.8826
Lake 4 - 512 - Weir: 2	100YR2 4hr	48.20	0.00	0.04	5.36	5.36	12.8826	0.0000	17.7760	12.8826	12.8826
Ninevah CMP	002YR0 1HR	6.78	0.00	0.04	2.63	4.51	0.8323	0.0000	1.8705	0.8381	0.8388
Ninevah CMP	002YR0 2HR	8.19	0.00	0.04	2.76	4.79	1.3153	0.0000	2.7607	1.3209	1.3224
Ninevah CMP	002YR0 3HR	8.51	0.00	0.02	2.80	4.85	1.8045	0.0000	3.6974	1.8086	1.8129
Ninevah CMP	002YR0 6HR	10.61	-0.03	0.04	2.97	5.20	3.2827	9.3983	6.6207	3.2857	3.2834
Ninevah CMP	002YR1 2HR	12.43	0.00	-0.02	3.11	4.06	6.2365	0.0000	5.3132	6.2398	6.2338
Ninevah CMP	002YR2 4HR	13.55	0.00	0.04	3.18	2.10	12.1867	0.0000	24.4221	12.1919	12.1876
Ninevah CMP	010YR0 1Hr	15.49	0.00	0.04	3.31	5.85	0.8184	0.0000	1.9944	0.8217	0.8237
Ninevah CMP	010YR0 2Hr	18.38	0.00	0.02	3.48	6.16	1.3035	0.0000	2.8745	1.3074	1.3081
Ninevah CMP	010YR0 3Hr	18.84	0.00	0.04	3.50	6.21	1.7973	0.0000	3.8098	1.8018	1.8025
Ninevah CMP	010YR0 6Hr	22.05	-0.03	0.02	3.68	6.51	3.2766	9.3970	6.7250	3.2824	3.2830
Ninevah CMP	010YR1 2Hr	23.64	0.00	-0.02	3.77	6.64	6.2355	0.0000	4.4550	6.2381	6.2393
Ninevah CMP	010YR2 4Hr	23.25	0.00	-0.03	3.75	3.61	12.1848	0.0000	9.0008	12.1877	12.1877
Ninevah CMP	1 1/4" 24hr	2.01	-0.03	0.03	1.54	-0.56	12.2186	9.4112	16.5011	12.2230	9.4176
Ninevah CMP	100YR0 1hr	32.02	0.00	0.02	4.35	7.23	0.8129	0.0000	2.1147	0.8179	0.8135
Ninevah CMP	100YR0 2hr	37.74	0.00	0.02	5.11	7.55	1.3005	0.0000	2.9824	1.3005	1.3034
Ninevah	100YR0	38.86	0.00	0.02	5.26	7.60	1.7909	0.0000	3.9207	1.7909	1.7909

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
CMP	3hr										
Ninevah CMP	100YR0 6hr	43.46	-0.03	0.02	5.88	7.80	3.2757	9.3962	6.8337	3.2757	3.2804
Ninevah CMP	100YR1 2hr	42.13	0.00	-0.02	5.70	7.10	6.2359	0.0000	3.3461	6.2359	6.2359
Ninevah CMP	100YR2 4hr	37.41	0.00	-0.03	5.06	5.81	12.1832	0.0000	6.8126	12.1832	12.1849
Outlet2-PondB	002YR0 1HR	1.44	0.00	0.01	2.94	4.10	0.9156	0.0000	0.6011	0.9163	0.9221
Outlet2-PondB	002YR0 2HR	1.85	0.00	0.01	3.15	4.42	1.3393	0.0000	1.0824	1.3399	1.3415
Outlet2-PondB	002YR0 3HR	1.97	0.00	0.01	3.20	4.50	1.8280	0.0000	1.5725	1.8292	1.8309
Outlet2-PondB	002YR0 6HR	2.77	0.00	0.01	3.51	4.98	3.2922	0.0000	3.0324	3.2930	3.2942
Outlet2-PondB	002YR1 2HR	3.70	0.00	0.01	3.80	5.43	6.2498	0.0000	5.9204	6.2502	6.2519
Outlet2-PondB	002YR2 4HR	4.56	0.00	0.01	4.03	1.38	12.1983	0.0000	11.4530	12.1988	12.1291
Outlet2-PondB	010YR0 1Hr	4.10	0.00	0.01	3.91	5.59	0.8405	0.0000	0.5585	0.8408	0.8420
Outlet2-PondB	010YR0 2Hr	5.05	0.00	0.01	4.14	5.94	1.3231	0.0000	1.0427	1.3232	1.3259
Outlet2-PondB	010YR0 3Hr	5.30	0.00	0.01	4.20	6.02	1.8143	0.0000	1.5293	1.8146	1.8168
Outlet2-PondB	010YR0 6Hr	6.74	0.00	0.01	4.50	6.46	3.2850	0.0000	2.9416	3.2852	3.2816
Outlet2-PondB	010YR1 2Hr	7.74	0.00	0.01	4.69	6.57	6.2434	0.0000	5.5194	6.2435	6.1716
Outlet2-PondB	010YR2 4Hr	8.09	0.00	0.01	4.75	1.77	12.1954	0.0000	10.2421	12.1956	12.1306
Outlet2-PondB	1 1/4" 24hr	0.57	0.00	0.01	2.32	0.41	13.9614	0.0000	12.1547	13.9639	17.8636
Outlet2-PondB	100YR0 1hr	9.36	0.00	0.01	4.97	7.09	0.8312	0.0000	0.5319	0.8314	0.8319
Outlet2-PondB	100YR0 2hr	11.39	0.00	0.16	5.28	7.49	1.3219	0.0000	1.4506	1.3221	1.3144
Outlet2-PondB	100YR0 3hr	12.06	0.00	0.16	5.38	7.60	1.8118	0.0000	1.9813	1.8119	1.7923
Outlet2-PondB	100YR0 6hr	14.52	0.00	0.58	5.72	7.82	3.2874	0.0000	3.6755	3.2875	3.2095
Outlet2-PondB	100YR1 2hr	14.80	0.00	0.87	5.75	3.27	6.2547	0.0000	6.5375	6.2549	6.1483
Outlet2-PondB	100YR2 4hr	14.00	0.00	1.01	5.65	2.85	12.3643	0.0000	12.3632	12.3646	12.3643



Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
Pond B Outlet	002YR0 1HR	3.03	0.00	0.01	3.76	5.51	1.6752	0.0000	0.9483	1.6777	1.6861
Pond B Outlet	002YR0 2HR	5.54	0.00	0.01	4.49	6.55	2.3336	0.0000	1.3872	2.3349	2.3336
Pond B Outlet	002YR0 3HR	6.03	0.00	0.13	4.61	6.71	3.1064	0.0000	7.4401	3.1103	3.1157
Pond B Outlet	002YR0 6HR	7.99	-1.66	0.24	5.05	7.26	4.2402	11.9998	7.4407	4.2453	4.2633
Pond B Outlet	002YR1 2HR	11.83	0.00	0.85	5.81	3.88	7.4505	0.0000	7.4400	7.4525	7.4505
Pond B Outlet	002YR2 4HR	15.98	-3.93	-0.26	5.80	5.09	12.8934	11.9307	18.8418	14.4221	12.8934
Pond B Outlet	010YR0 1Hr	11.84	0.00	0.11	5.81	8.05	1.4228	0.0000	2.3724	1.4234	1.4289
Pond B Outlet	010YR0 2Hr	16.57	0.00	-0.12	6.71	8.74	2.0534	0.0000	1.7804	2.0539	2.0601
Pond B Outlet	010YR0 3Hr	17.24	0.00	0.21	6.84	8.81	2.5131	0.0000	7.4410	2.5140	2.5131
Pond B Outlet	010YR0 6Hr	22.43	-0.54	0.45	7.93	9.27	3.7426	11.9998	7.4402	3.7426	4.0404
Pond B Outlet	010YR1 2Hr	23.83	0.00	0.70	7.93	9.27	7.0052	0.0000	6.9994	6.4583	6.4583
Pond B Outlet	010YR2 4Hr	22.70	-3.23	-0.44	7.22	7.22	12.8934	11.4864	18.8409	12.8934	12.8934
Pond B Outlet	1 1/4" 24hr	3.72	-3.94	0.09	3.42	-4.05	13.4603	12.0002	12.7644	16.9086	12.0007
Pond B Outlet	100YR0 1hr	22.83	0.00	0.19	7.93	9.29	1.4107	0.0000	2.2925	1.5731	1.4241
Pond B Outlet	100YR0 2hr	27.31	0.00	-0.19	8.69	9.39	2.1020	0.0000	1.4308	2.1020	2.5462
Pond B Outlet	100YR0 3hr	28.21	0.00	0.45	8.98	9.39	2.5787	0.0000	7.4417	2.5787	3.4294
Pond B Outlet	100YR0 6hr	32.00	0.00	1.74	10.19	10.44	4.0496	0.0000	7.4405	4.0496	4.0496
Pond B Outlet	100YR1 2hr	33.78	0.00	-0.28	10.75	11.05	7.0058	0.0000	18.8409	7.0058	7.0058
Pond B Outlet	100YR2 4hr	30.58	-1.65	-0.86	9.73	9.73	13.0428	10.2887	18.8404	13.0428	13.0428
RearDitch	002YR0 1HR	1.05	0.00	0.00	1.96	1.69	1.1037	0.0000	0.8797	0.9921	1.8269
RearDitch	002YR0 2HR	1.22	0.00	0.00	2.09	1.68	1.5973	0.0000	1.3401	1.3917	2.8818
RearDitch	002YR0 3HR	1.27	0.00	0.00	2.13	1.67	1.9300	0.0000	1.8518	1.8788	3.8614
RearDitch	002YR0	1.74	0.00	0.00	2.34	1.67	3.3155	0.0000	3.1891	3.3119	11.9906

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
h	6HR										
RearDitch	002YR1 2HR	2.41	0.00	0.00	2.54	1.68	6.2275	0.0000	6.2634	6.2398	23.6550
RearDitch	002YR2 4HR	3.07	0.00	0.00	2.70	1.68	12.1616	0.0000	12.2113	12.1704	39.0258
RearDitch	010YR0 1Hr	2.58	0.00	0.00	2.59	1.68	0.8239	0.0000	0.8531	0.8370	1.7960
RearDitch	010YR0 2Hr	3.26	0.00	0.00	2.74	1.66	1.2860	0.0000	1.3531	1.2915	5.9948
RearDitch	010YR0 3Hr	3.45	0.00	0.00	2.78	1.66	1.7728	0.0000	1.8080	1.7791	7.9989
RearDitch	010YR0 6Hr	4.56	0.00	0.00	2.98	1.66	3.2291	0.0000	3.2788	3.2349	11.7309
RearDitch	010YR1 2Hr	5.32	0.00	0.00	3.08	1.67	6.1851	0.0000	6.2495	6.1857	23.9913
RearDitch	010YR2 4Hr	5.53	0.00	0.00	3.10	1.68	12.1395	0.0000	12.2296	12.1419	42.1519
RearDitch	1 1/4" 24hr	0.55	0.00	0.00	1.30	1.64	14.1497	0.0000	16.3819	13.9300	20.9103
RearDitch	100YR0 1hr	6.41	0.00	0.00	3.19	1.63	0.7604	0.0000	0.8199	0.7611	1.9161
RearDitch	100YR0 2hr	8.19	0.00	-0.01	3.35	1.62	1.2418	0.0000	1.3095	1.2422	5.9918
RearDitch	100YR0 3hr	8.74	0.00	-0.01	3.40	1.63	1.7305	0.0000	1.7883	1.7308	8.8808
RearDitch	100YR0 6hr	10.65	0.00	-0.01	3.53	1.78	3.2021	0.0000	3.2580	3.2023	4.0170
RearDitch	100YR1 2hr	11.08	0.00	-0.01	3.56	1.68	7.1400	0.0000	6.2306	7.1482	37.0656
RearDitch	100YR2 4hr	10.81	0.00	-0.01	3.54	1.68	13.0519	0.0000	12.2167	13.0593	45.1654
Virgo Dr	002YR0 1HR	8.49	0.00	-0.01	2.51	2.68	0.8010	0.0000	0.8314	0.7499	0.7377
Virgo Dr	002YR0 2HR	9.91	0.00	-0.01	2.64	2.80	1.2871	0.0000	1.3827	1.2384	1.2227
Virgo Dr	002YR0 3HR	10.23	0.00	-0.02	2.66	2.82	1.7777	0.0000	1.8079	1.7318	1.7137
Virgo Dr	002YR0 6HR	12.24	0.00	-0.05	2.81	2.97	3.2501	0.0000	1.9730	3.2037	3.1970
Virgo Dr	002YR1 2HR	13.69	0.00	-0.05	2.91	3.02	6.2065	0.0000	2.1063	6.1898	6.1802
Virgo Dr	002YR2 4HR	14.05	0.00	-0.05	2.93	3.01	12.1537	0.0000	2.1063	12.1451	12.1428
Virgo Dr	010YR0 1Hr	17.65	0.00	-0.01	3.59	3.59	0.7711	0.0000	0.7999	0.7711	0.7711

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
Virgo Dr	010YR0 2Hr	20.37	0.00	0.01	4.15	4.15	1.2611	0.0000	1.1773	1.2611	1.2611
Virgo Dr	010YR0 3Hr	20.70	0.00	0.01	4.22	4.22	1.7516	0.0000	1.6646	1.7516	1.7516
Virgo Dr	010YR0 6Hr	23.37	0.00	0.02	4.76	4.76	3.2194	0.0000	3.1195	3.2194	3.2194
Virgo Dr	010YR1 2Hr	23.49	0.00	-0.05	4.79	4.79	6.2153	0.0000	2.1063	6.2153	6.2153
Virgo Dr	010YR2 4Hr	22.71	0.00	1.35	4.63	4.63	12.1508	0.0000	13.4159	12.1508	12.1508
Virgo Dr	1 1/4" 24hr	3.21	0.00	0.00	1.85	1.94	12.2000	0.0000	12.0541	12.1775	12.1730
Virgo Dr	100YR0 1hr	26.09	0.00	-0.05	5.31	5.31	0.9925	0.0000	1.0756	0.9925	0.9925
Virgo Dr	100YR0 2hr	27.91	0.00	0.27	5.68	5.68	1.5418	0.0000	2.4749	1.5418	1.5418
Virgo Dr	100YR0 3hr	27.98	0.00	1.55	5.70	5.70	2.0208	0.0000	3.3768	2.0208	2.0208
Virgo Dr	100YR0 6hr	27.46	0.00	-0.97	5.59	5.59	3.4373	0.0000	5.5735	3.4373	3.4373
Virgo Dr	100YR1 2hr	26.57	0.00	0.80	5.41	5.41	6.3470	0.0000	8.8162	6.3470	6.3470
Virgo Dr	100YR2 4hr	24.53	0.00	0.94	5.00	5.00	12.1980	0.0000	12.8397	12.1980	12.1980
Weir-L4-Outlet	002YR0 1HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir-L4-Outlet	002YR0 2HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir-L4-Outlet	002YR0 3HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir-L4-Outlet	002YR0 6HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir-L4-Outlet	002YR1 2HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir-L4-Outlet	002YR2 4HR	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir-L4-Outlet	010YR0 1Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir-L4-Outlet	010YR0 2Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir-L4-Outlet	010YR0 3Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir-L4-Outlet	010YR0 6Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir-L4-	010YR1	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
Outlet	2Hr										
Weir-L4-Outlet	010YR2 4Hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir-L4-Outlet	1 1/4" 24hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir-L4-Outlet	100YR0 1hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir-L4-Outlet	100YR0 2hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir-L4-Outlet	100YR0 3hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir-L4-Outlet	100YR0 6hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir-L4-Outlet	100YR1 2hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
Weir-L4-Outlet	100YR2 4hr	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000
WindstarDr	002YR0 1HR	10.53	0.00	-0.02	2.22	2.49	0.8357	0.0000	0.8523	0.8037	0.6926
WindstarDr	002YR0 2HR	12.42	0.00	-0.01	2.34	2.60	1.3240	0.0000	1.4093	1.2943	1.2581
WindstarDr	002YR0 3HR	12.88	0.00	-0.01	2.36	2.62	1.8129	0.0000	1.8976	1.7788	1.7401
WindstarDr	002YR0 6HR	15.79	0.00	0.80	2.51	2.75	3.2805	0.0000	11.6820	3.2686	3.1987
WindstarDr	002YR1 2HR	18.05	0.00	-0.37	2.64	2.86	6.2341	0.0000	12.2386	6.2271	6.2202
WindstarDr	002YR2 4HR	19.05	0.00	-0.84	2.74	3.01	12.1928	0.0000	13.1162	12.2324	12.2463
WindstarDr	010YR0 1Hr	22.87	0.00	-0.01	2.88	3.13	0.8040	0.0000	0.8757	0.7787	0.7410
WindstarDr	010YR0 2Hr	26.96	0.00	-0.01	3.11	3.31	1.2838	0.0000	1.2084	1.2787	1.2752
WindstarDr	010YR0 3Hr	27.49	0.00	-0.01	3.14	3.34	1.7644	0.0000	1.7812	1.7644	1.7644
WindstarDr	010YR0 6Hr	31.81	0.00	-0.01	3.38	3.54	3.2465	0.0000	3.6534	3.2438	3.2407
WindstarDr	010YR1 2Hr	32.61	0.00	-0.12	3.44	3.59	6.2123	0.0000	7.3751	6.2072	6.2055
WindstarDr	010YR2 4Hr	31.95	0.00	-2.30	3.47	3.69	12.1648	0.0000	13.5268	12.1769	12.1857
WindstarDr	1 1/4" 24hr	3.80	0.00	-0.01	1.69	2.02	12.2411	0.0000	12.4936	12.2339	12.2228
WindstarDr	100YR0 1hr	36.29	0.00	-1.77	3.77	3.82	0.8010	0.0000	1.8217	0.8010	0.6749

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Time to Max Flow [hrs]	Time to Min Flow [hrs]	Time to Min/Max Delta Flow [hrs]	Time to Max Us Velocity [hrs]	Time to Max Ds Velocity [hrs]
WindstarDr	100YR0 2hr	38.28	0.00	4.68	3.98	3.99	1.2859	0.0000	2.3734	1.2859	1.5155
WindstarDr	100YR0 3hr	38.77	0.00	4.28	4.03	4.04	1.7839	0.0000	3.3984	1.7839	1.9801
WindstarDr	100YR0 6hr	40.52	0.00	5.54	4.21	4.22	3.2670	0.0000	5.3346	3.2670	3.3828
WindstarDr	100YR1 2hr	41.01	0.00	-5.65	4.26	4.26	6.2684	0.0000	8.6257	6.2684	6.2684
WindstarDr	100YR2 4hr	39.49	0.00	-5.57	4.10	4.15	12.1515	0.0000	13.3273	12.1515	12.1425

## Node: CI-EX-02

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 732.91 ft  
Warning Stage: 739.81 ft

Stage [ft]	Area [ac]	Area [ft2]
732.91	0.0003	13
739.81	0.0003	13
740.81	0.5000	21780

Comment: (converted from manhole to stage/area node)

## Node: CI-Ex-01

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 732.95 ft  
Warning Stage: 738.95 ft

Stage [ft]	Area [ac]	Area [ft2]
732.95	0.0003	13
738.95	0.0003	13
739.95	0.5000	21780

Comment: (converted from manhole to stage/area node)

## Node: CI-Ex-04

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 733.37 ft  
Warning Stage: 739.37 ft

Stage [ft]	Area [ac]	Area [ft2]
733.37	0.0002	9
739.37	0.0002	9
740.37	0.5000	21780

Comment: (converted from manhole to stage/area node)

## Node: CI-Ex-05

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 733.40 ft  
Warning Stage: 739.30 ft

Stage [ft]	Area [ac]	Area [ft2]
733.40	0.0002	9
739.30	0.0002	9
740.30	0.5000	21780

Comment: (converted from manhole to stage/area node)

## Node: CI-Ex318

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 734.47 ft  
Warning Stage: 738.90 ft

Stage [ft]	Area [ac]	Area [ft2]
734.00	0.0002	9
738.90	0.0002	9
739.90	0.5000	21780

Comment: (converted from manhole to stage/area node)

Node: CI-Ex319

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 734.00 ft  
Warning Stage: 739.00 ft

Stage [ft]	Area [ac]	Area [ft2]
734.00	0.0002	9
739.00	0.0002	9
740.00	0.5000	21780

Comment: (converted from manhole to stage/area node)

Node: DS Ex CB

Scenario: Section 5A Interim  
Type: Time/Stage  
Base Flow: 0.00 cfs  
Initial Stage: 730.91 ft  
Warning Stage: 738.91 ft  
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	730.91
0	0	0	12.0000	733.91
0	0	0	30.0000	730.91

Comment:

Node: Direct Discharge

Scenario: Section 5A Interim  
Type: Time/Stage  
Base Flow: 0.00 cfs  
Initial Stage: 0.00 ft  
Warning Stage: 0.00 ft  
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.00
0	0	0	48.0000	0.00

Comment:

## Node: EastFarmField

Scenario: Section 5A Interim  
 Type: Time/Stage  
 Base Flow: 0.00 cfs  
 Initial Stage: 736.80 ft  
 Warning Stage: 743.00 ft  
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	736.80
0	0	0	12.0000	738.80
0	0	0	30.0000	736.80

Comment:

## Node: Ex Pond A

Scenario: Section 5A Interim  
 Type: Stage/Area  
 Base Flow: 0.00 cfs  
 Initial Stage: 735.00 ft  
 Warning Stage: 738.00 ft

Stage [ft]	Area [ac]	Area [ft2]
734.55	1.3820	60200
735.00	1.4310	62334
736.00	1.5660	68215
738.00	1.8940	82503
739.00	2.1140	92086

Comment:

## Node: Ex Pond B

Scenario: Section 5A Interim  
 Type: Stage/Area  
 Base Flow: 0.00 cfs  
 Initial Stage: 732.50 ft  
 Warning Stage: 737.00 ft

Stage [ft]	Area [ac]	Area [ft2]
732.50	0.8706	37923
735.00	1.0650	46391
737.00	1.2700	55321

Comment:



## Node: Lake 1

Scenario: Section 5A Interim  
 Type: Stage/Area  
 Base Flow: 0.00 cfs  
 Initial Stage: 742.00 ft  
 Warning Stage: 748.00 ft

Stage [ft]	Area [ac]	Area [ft2]
741.00	0.4160	18121
742.00	0.4750	20691
743.00	0.5370	23392
746.00	0.7370	32104
747.00	0.8090	35240
748.00	1.0420	45390
749.70	1.3860	60374
750.00	1.4790	64425

Comment: For back to back storms use Elevation 747.95 as initial stage.

## Node: Lake 2

Scenario: Section 5A Interim  
 Type: Stage/Area  
 Base Flow: 0.00 cfs  
 Initial Stage: 735.00 ft  
 Warning Stage: 741.00 ft

Stage [ft]	Area [ac]	Area [ft2]
735.00	1.7100	74488
736.00	1.8500	80586
737.00	2.0100	87556
738.00	2.1700	94525
739.00	2.3300	101495
740.00	2.5000	108900
741.00	2.6700	116305

Comment: 738.51 - WSEL for running back to back 100 year storms

Cant achieve 90% availible capacity (735.6) without running the simulation for 100 hours.  
 48 hr - 736.80 ( 67% )

## Node: Lake 3

Scenario: Section 5A Interim  
 Type: Stage/Area  
 Base Flow: 0.00 cfs  
 Initial Stage: 731.70 ft

Warning Stage: 736.00 ft

Stage [ft]	Area [ac]	Area [ft2]
731.70	1.4104	61435
732.00	1.4572	63475
733.00	1.5542	67700
734.00	1.6535	72025
735.00	1.7550	76446
736.00	1.8588	80968
737.00	1.9665	85660

Comment: 736.38 - WSEL for running back to back 100 year storms

Node: Lake 4

Scenario: Section 5A Interim  
 Type: Stage/Area  
 Base Flow: 0.00 cfs  
 Initial Stage: 729.00 ft  
 Warning Stage: 733.00 ft

Stage [ft]	Area [ac]	Area [ft2]
728.00	1.8900	82328
729.00	2.0100	87556
730.00	2.1400	93218
731.00	2.2600	98446
732.00	2.3900	104108
733.00	2.5200	109771
734.00	2.6500	115434
735.00	2.7900	121532

Comment:

Node: NinevahRdBasin

Scenario: Section 5A Interim  
 Type: Stage/Area  
 Base Flow: 0.00 cfs  
 Initial Stage: 738.30 ft  
 Warning Stage: 742.00 ft

Stage [ft]	Area [ac]	Area [ft2]
738.30	0.0000	0
741.00	0.0050	218
742.00	0.0530	2309
743.00	0.1033	4500

Comment:

Node: Outlet 4

Scenario: Section 5A Interim  
 Type: Time/Stage  
 Base Flow: 0.00 cfs  
 Initial Stage: 725.00 ft  
 Warning Stage: 725.00 ft  
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	725.00
0	0	0	72.0000	725.00

Comment:

Node: Outlet1

Scenario: Section 5A Interim  
 Type: Stage/Area  
 Base Flow: 0.00 cfs  
 Initial Stage: 740.08 ft  
 Warning Stage: 746.34 ft

Stage [ft]	Area [ac]	Area [ft2]
740.08	0.0003	13
746.34	0.0003	13

Comment: (converted from manhole to stage/area node)

Node: Outlet2

Scenario: Section 5A Interim  
 Type: Stage/Area  
 Base Flow: 0.00 cfs  
 Initial Stage: 736.50 ft  
 Warning Stage: 738.50 ft

Stage [ft]	Area [ac]	Area [ft2]
736.50	0.0000	0
737.00	0.0103	449
738.00	0.2074	9034
739.00	0.5490	23914

Comment:

Node: PR403

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 741.10 ft  
Warning Stage: 748.89 ft

Stage [ft]	Area [ac]	Area [ft2]
741.10	0.0003	13
748.89	0.0003	13

Comment: (converted from manhole to stage/area node)

Node: PR405

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 747.00 ft  
Warning Stage: 752.00 ft

Stage [ft]	Area [ac]	Area [ft2]
747.00	0.0000	0
748.00	0.0029	126
749.00	0.0080	348
750.00	0.0240	1045
751.00	0.0347	1512
752.00	0.0511	2226

Comment:

Node: STR 461

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 734.69 ft  
Warning Stage: 741.20 ft

Stage [ft]	Area [ac]	Area [ft2]
734.69	0.0064	279
741.20	0.0064	279
742.20	1.0000	43560

Comment:

Node: STR 462

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 734.27 ft  
Warning Stage: 739.19 ft

Stage [ft]	Area [ac]	Area [ft2]
734.27	0.0064	279
739.19	0.0064	279
740.19	1.0000	43560

Comment:

Node: STR 463

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 734.09 ft  
Warning Stage: 738.80 ft

Stage [ft]	Area [ac]	Area [ft2]
734.09	0.0064	279
738.80	0.0064	279
739.80	1.0000	43560

Comment:

Node: STR 464

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 733.94 ft  
Warning Stage: 738.80 ft

Stage [ft]	Area [ac]	Area [ft2]
733.94	0.0064	279
738.80	0.0064	279
739.80	1.0000	43560

Comment:

Node: STR 465

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 733.63 ft  
Warning Stage: 738.00 ft

Stage [ft]	Area [ac]	Area [ft2]
733.63	0.0064	279
738.00	0.0064	279
739.00	1.0000	43560

Comment:

Node: STR 466

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 733.16 ft  
Warning Stage: 738.38 ft

Stage [ft]	Area [ac]	Area [ft2]
733.16	0.0064	279
738.38	0.0064	279
739.38	1.0000	43560

Comment:

Node: STR 467

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 732.99 ft  
Warning Stage: 738.38 ft

Stage [ft]	Area [ac]	Area [ft2]
732.99	0.0064	279
738.38	0.0064	279
739.38	1.0000	43560

Comment:

Node: STR 468

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 732.76 ft  
Warning Stage: 738.55 ft

Stage [ft]	Area [ac]	Area [ft2]
732.76	0.0064	279
738.55	0.0064	279
739.55	1.0000	43560

Comment:

Node: STR 469

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 732.60 ft  
Warning Stage: 738.40 ft

Stage [ft]	Area [ac]	Area [ft2]
732.60	0.0064	279
738.40	0.0064	279
739.40	1.0000	43560

Comment:

Node: STR 471

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 732.03 ft  
Warning Stage: 739.20 ft

Stage [ft]	Area [ac]	Area [ft2]
732.03	0.0064	279
739.20	0.0064	279
740.20	1.0000	43560

Comment:

Node: STR 472

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 731.83 ft  
Warning Stage: 738.42 ft

Stage [ft]	Area [ac]	Area [ft2]
731.83	0.0064	279
738.42	0.0064	279
739.42	1.0000	43560

Comment:

Node: STR 473

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 731.70 ft  
Warning Stage: 738.08 ft

Stage [ft]	Area [ac]	Area [ft2]
731.70	0.0064	279
738.08	0.0064	279
739.08	1.0000	43560

Comment:

Node: STR 474

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 731.44 ft  
Warning Stage: 737.70 ft



Stage [ft]	Area [ac]	Area [ft2]
731.44	0.0064	279
737.70	0.0064	279
738.70	1.0000	43560

Comment:

Node: STR 501

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 730.51 ft  
Warning Stage: 737.20 ft

Stage [ft]	Area [ac]	Area [ft2]
730.51	0.0064	279
737.20	0.0064	279
738.20	1.0000	43560

Comment:

Node: STR 503

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 730.98 ft  
Warning Stage: 738.09 ft

Stage [ft]	Area [ac]	Area [ft2]
730.98	0.0064	279
738.09	0.0064	279
739.09	1.0000	43560

Comment:

Node: STR 504

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 731.13 ft  
Warning Stage: 738.09 ft

Stage [ft]	Area [ac]	Area [ft2]
731.13	0.0064	279
738.09	0.0064	279
739.09	1.0000	43560

Comment:

Node: STR 512

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 725.20 ft  
Warning Stage: 734.32 ft

Stage [ft]	Area [ac]	Area [ft2]
725.20	0.0064	279
734.32	0.0064	279

Comment:

Node: STR 515

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 729.04 ft  
Warning Stage: 736.00 ft

Stage [ft]	Area [ac]	Area [ft2]
729.04	0.0064	279
736.00	0.0064	279

Comment:

Node: STR 516

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 729.19 ft  
Warning Stage: 737.09 ft

Stage [ft]	Area [ac]	Area [ft2]
729.19	0.0064	279

Stage [ft]	Area [ac]	Area [ft2]
737.09	0.0064	279

Comment:

Node: STR 517

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 729.40 ft  
Warning Stage: 737.86 ft

Stage [ft]	Area [ac]	Area [ft2]
729.40	0.0064	279
737.86	0.0064	279

Comment:

Node: STR 521

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 729.96 ft  
Warning Stage: 736.10 ft

Stage [ft]	Area [ac]	Area [ft2]
729.96	0.0064	279
736.10	0.0064	279

Comment:

Node: STR 522

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 730.31 ft  
Warning Stage: 735.85 ft

Stage [ft]	Area [ac]	Area [ft2]
730.31	0.0064	279
735.85	0.0064	279

Comment:

Node: STR 523

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 730.69 ft  
Warning Stage: 738.17 ft

Stage [ft]	Area [ac]	Area [ft2]
730.69	0.0064	279
738.17	0.0064	279

Comment:

Node: STR 524

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 730.82 ft  
Warning Stage: 737.69 ft

Stage [ft]	Area [ac]	Area [ft2]
730.82	0.0064	279
737.69	0.0064	279

Comment:

Node: STR 525

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 730.95 ft  
Warning Stage: 737.69 ft

Stage [ft]	Area [ac]	Area [ft2]
730.95	0.0064	279
737.69	0.0064	279

Comment:

Node: STR 526

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 731.21 ft  
Warning Stage: 737.00 ft

Stage [ft]	Area [ac]	Area [ft2]
731.21	0.0064	279
737.00	0.0064	279

Comment:

Node: STR 539

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 729.26 ft  
Warning Stage: 738.09 ft

Stage [ft]	Area [ac]	Area [ft2]
729.26	0.0064	279
738.09	0.0064	279
739.09	1.0000	43560

Comment:

Node: STR 540

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 729.38 ft  
Warning Stage: 738.09 ft

Stage [ft]	Area [ac]	Area [ft2]
729.38	0.0064	279
738.09	0.0064	279
739.08	1.0000	43560

Comment:

Node: STR 541

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 729.57 ft  
Warning Stage: 737.75 ft

Stage [ft]	Area [ac]	Area [ft2]
729.57	0.0064	279
737.75	0.0064	279
738.75	1.0000	43560

Comment:

Node: STR 549

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 729.80 ft  
Warning Stage: 737.50 ft

Stage [ft]	Area [ac]	Area [ft2]
729.80	0.0064	279
737.50	0.0064	279
738.50	1.0000	43560

Comment:

Node: STR 568

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 730.12 ft  
Warning Stage: 738.11 ft

Stage [ft]	Area [ac]	Area [ft2]
730.12	0.0064	279
738.11	0.0064	279
739.11	1.0000	43560

Comment:

Node: STR 569

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 730.24 ft  
Warning Stage: 738.11 ft

Stage [ft]	Area [ac]	Area [ft2]
730.24	0.0064	279
738.11	0.0064	279
739.11	1.0000	43560

Comment:

Node: Str400

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 740.42 ft  
Warning Stage: 742.42 ft

Stage [ft]	Area [ac]	Area [ft2]
740.42	0.0006	28
742.42	0.5000	21780
748.00	0.6000	26136

Comment:

Node: Str400A

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 741.50 ft  
Warning Stage: 748.93 ft

Stage [ft]	Area [ac]	Area [ft2]
741.50	0.0006	28
748.93	0.0006	28

Comment: (converted from manhole to stage/area node)

Node: Y1-Ex-03

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 733.34 ft  
Warning Stage: 737.84 ft

Stage [ft]	Area [ac]	Area [ft2]
733.34	0.0003	13
737.84	0.0003	13
738.84	0.5000	21780

Comment: (converted from manhole to stage/area node)

Node: YI-Ex316

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 733.55 ft  
Warning Stage: 737.55 ft

Stage [ft]	Area [ac]	Area [ft2]
733.55	0.0002	9
737.55	0.0002	9
738.55	0.5000	21780

Comment: (converted from manhole to stage/area node)

Node: YI-Ex317

Scenario: Section 5A Interim  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 734.01 ft  
Warning Stage: 738.38 ft

Stage [ft]	Area [ac]	Area [ft2]
734.00	0.0002	9
738.38	0.0002	9
739.38	0.5000	21780

Comment: (converted from manhole to stage/area node)



Node Max Conditions w/ Times [Section 5A Interim]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
CI-EX-02	002YR01HR	739.81	734.65	0.0010	10.59	10.53	397	0.8485	0.3195	0.8249	0.8357
CI-EX-02	002YR02HR	739.81	734.82	0.0010	12.49	12.42	398	1.3292	0.3195	1.3011	1.3240
CI-EX-02	002YR03HR	739.81	734.85	0.0010	12.94	12.88	398	1.8192	0.3195	1.8032	1.8129
CI-EX-02	002YR06HR	739.81	735.09	0.0010	15.84	15.79	398	3.2849	0.3195	3.2712	3.2805
CI-EX-02	002YR12HR	739.81	735.25	0.0010	18.10	18.05	398	6.2380	0.3195	6.2254	6.2341
CI-EX-02	002YR24HR	739.81	735.32	-0.0010	18.97	19.05	398	12.1793	13.9889	12.1692	12.1928
CI-EX-02	010YR01Hr	739.81	735.60	0.0010	22.94	22.87	398	0.8080	0.3195	0.7965	0.8040
CI-EX-02	010YR02Hr	739.81	735.87	0.0010	27.02	26.96	398	1.2872	0.3195	1.2778	1.2838
CI-EX-02	010YR03Hr	739.81	735.92	0.0010	27.59	27.49	398	1.7794	0.3195	1.7646	1.7644
CI-EX-02	010YR06Hr	739.81	736.21	0.0010	31.82	31.81	398	3.2497	0.3195	3.2424	3.2465
CI-EX-02	010YR12Hr	739.81	736.27	0.0010	32.61	32.61	398	6.2123	0.3195	6.2089	6.2123
CI-EX-02	010YR24Hr	739.81	736.14	-0.0010	31.84	31.95	398	12.1414	14.5364	12.1581	12.1648
CI-EX-02	1 1 1/4" 24hr	739.81	733.90	0.0010	3.82	3.80	352	12.2430	0.3551	12.2264	12.2411
CI-EX-02	100YR01hr	739.81	736.54	0.0010	36.29	36.29	398	0.8041	0.3195	0.8000	0.8010
CI-EX-02	100YR02hr	739.81	736.74	0.0010	38.28	38.28	398	1.2859	1.1406	1.2853	1.2859
CI-EX-02	100YR03hr	739.81	736.78	-0.0014	38.77	38.77	398	1.7839	2.5135	1.7833	1.7839
CI-EX-02	100YR06hr	739.81	737.04	-0.0023	40.51	40.52	398	3.8055	5.3346	3.2665	3.2670
CI-EX-02	100YR12hr	739.81	737.25	-0.0024	40.91	41.01	398	6.7769	7.7867	6.2692	6.2684
CI-EX-02	100YR24hr	739.81	737.42	0.0023	39.52	39.49	398	12.6572	14.1614	12.1509	12.1515
CI-Ex-01	002YR01HR	738.95	734.56	0.0009	10.93	10.88	710	0.8503	0.3811	0.8341	0.8506
CI-Ex-01	002YR02HR	738.95	734.72	0.0009	12.91	12.89	718	1.3316	0.3811	1.3234	1.3319
CI-Ex-01	002YR03HR	738.95	734.75	0.0009	13.39	13.38	719	1.8206	0.3811	1.8129	1.8211

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
CI-Ex-01	002YR0 6HR	738.95	734.98	0.0010	16.45	16.43	720	3.2870	11.9109	3.2794	3.2870
CI-Ex-01	002YR1 2HR	738.95	735.13	0.0009	18.83	18.81	654	6.2404	0.3811	6.2328	6.2407
CI-Ex-01	002YR2 4HR	738.95	735.19	-0.0010	19.88	20.06	407	12.1772	13.7293	12.1915	12.1998
CI-Ex-01	010YR0 1Hr	738.95	735.47	0.0009	23.84	23.81	726	0.8095	0.3811	0.8028	0.8095
CI-Ex-01	010YR0 2Hr	738.95	735.72	0.0009	28.14	28.12	726	1.2887	0.3811	1.2833	1.2887
CI-Ex-01	010YR0 3Hr	738.95	735.76	0.0009	28.71	28.64	726	1.7812	0.3811	1.7644	1.7812
CI-Ex-01	010YR0 6Hr	738.95	736.03	0.0009	33.26	33.25	711	3.2503	0.3811	3.2465	3.2504
CI-Ex-01	010YR1 2Hr	738.95	736.08	-0.0010	34.15	34.14	537	6.2128	7.3742	6.2072	6.2129
CI-Ex-01	010YR2 4Hr	738.95	735.96	-0.0010	33.45	33.64	407	12.1381	14.8149	12.1642	12.1676
CI-Ex-01	1 1/4" 24hr	738.95	733.83	0.0007	3.91	3.91	361	12.2447	0.3809	12.2411	12.2511
CI-Ex-01	100YR0 1hr	738.95	736.35	0.0012	38.38	38.37	726	0.8038	0.6777	0.7998	0.8039
CI-Ex-01	100YR0 2hr	738.95	736.53	0.0014	40.82	40.93	726	1.2834	1.1380	1.2859	1.2836
CI-Ex-01	100YR0 3hr	738.95	736.56	0.0020	41.39	41.38	726	1.7847	2.5135	1.7811	1.7847
CI-Ex-01	100YR0 6hr	738.95	736.97	0.0021	43.51	43.50	612	3.8294	5.3346	3.2566	3.2575
CI-Ex-01	100YR1 2hr	738.95	737.20	0.0024	43.67	43.81	520	6.8019	7.7867	6.2599	6.2584
CI-Ex-01	100YR2 4hr	738.95	737.40	0.0018	42.02	41.97	425	12.8815	13.4764	12.1506	12.1514
CI-Ex-04	002YR0 1HR	739.37	734.97	0.0010	9.01	8.95	321	0.8306	0.2342	0.8061	0.8172
CI-Ex-04	002YR0 2HR	739.37	735.13	0.0010	10.55	10.48	321	1.3175	0.2342	1.2929	1.3023
CI-Ex-04	002YR0 3HR	739.37	735.17	0.0010	10.90	10.80	321	1.8079	0.2342	1.7825	1.7928
CI-Ex-04	002YR0 6HR	739.37	735.41	0.0010	13.10	13.02	321	3.2771	0.2342	3.2543	3.2655
CI-Ex-04	002YR1 2HR	739.37	735.59	0.0010	14.76	14.68	321	6.2305	0.2342	6.2113	6.2202
CI-Ex-04	002YR2 4HR	739.37	735.65	0.0010	15.29	15.22	322	12.1761	0.2342	12.1577	12.1668
CI-Ex-04	010YR0	739.37	735.99	0.0010	18.83	18.71	321	0.8018	0.2342	0.7789	0.7858

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
4	1Hr										
CI-Ex-04	010YR0 2Hr	739.37	736.32	0.0010	21.81	21.76	321	1.2827	0.2342	1.2683	1.2715
CI-Ex-04	010YR0 3Hr	739.37	736.37	0.0010	22.18	22.13	321	1.7742	0.2342	1.7565	1.7645
CI-Ex-04	010YR0 6Hr	739.37	736.79	0.0010	25.26	25.26	322	3.2493	0.2342	3.2478	3.2506
CI-Ex-04	010YR1 2Hr	739.37	736.86	0.0010	25.72	25.74	322	6.2166	0.2342	6.2302	6.2333
CI-Ex-04	010YR2 4Hr	739.37	736.71	0.0010	24.91	24.97	322	12.1494	0.2342	12.1569	12.1652
CI-Ex-04	1 1/4" 24hr	739.37	734.30	0.0010	3.36	3.35	296	12.2164	0.2456	12.2055	12.2153
CI-Ex-04	100YR0 1hr	739.37	737.26	-0.0013	29.04	29.11	322	0.8263	1.0768	0.9822	0.9800
CI-Ex-04	100YR0 2hr	739.37	737.49	-0.0013	31.05	31.13	322	1.3179	1.6838	1.5169	1.5167
CI-Ex-04	100YR0 3hr	739.37	737.53	-0.0013	31.35	31.41	322	1.8071	2.1986	1.9961	1.9939
CI-Ex-04	100YR0 6hr	739.37	737.70	0.0010	31.76	31.80	322	3.2859	0.2342	3.4191	3.4183
CI-Ex-04	100YR1 2hr	739.37	737.65	0.0010	31.03	31.05	322	6.2279	0.2342	6.3369	6.3355
CI-Ex-04	100YR2 4hr	739.37	737.73	0.0010	28.56	28.52	322	12.4972	0.2456	12.2052	12.2041
CI-Ex-05	002YR0 1HR	739.30	735.06	0.0010	8.55	8.49	214	0.8241	0.2037	0.7929	0.8010
CI-Ex-05	002YR0 2HR	739.30	735.23	0.0010	9.98	9.91	214	1.3126	0.2037	1.2811	1.2871
CI-Ex-05	002YR0 3HR	739.30	735.27	0.0010	10.30	10.23	214	1.8034	0.2037	1.7711	1.7777
CI-Ex-05	002YR0 6HR	739.30	735.52	0.0010	12.31	12.24	214	3.2727	0.2037	3.2436	3.2501
CI-Ex-05	002YR1 2HR	739.30	735.71	0.0010	13.75	13.69	214	6.2263	0.2037	6.2023	6.2065
CI-Ex-05	002YR2 4HR	739.30	735.78	0.0010	14.10	14.05	214	12.1713	0.2037	12.1509	12.1537
CI-Ex-05	010YR0 1Hr	739.30	736.17	0.0010	17.76	17.65	214	0.7977	0.2037	0.7667	0.7711
CI-Ex-05	010YR0 2Hr	739.30	736.56	0.0010	20.48	20.37	214	1.2795	0.2037	1.2539	1.2611
CI-Ex-05	010YR0 3Hr	739.30	736.63	0.0010	20.80	20.70	214	1.7711	0.2037	1.7472	1.7516
CI-Ex-05	010YR0 6Hr	739.30	737.11	0.0010	23.52	23.37	214	3.2463	0.2037	3.2179	3.2194

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
CI-Ex-05	010YR1 2Hr	739.30	737.19	0.0010	23.64	23.49	214	6.2166	0.2037	6.1576	6.2153
CI-Ex-05	010YR2 4Hr	739.30	737.01	0.0010	22.69	22.71	214	12.1507	0.2037	12.1498	12.1508
CI-Ex-05	1 1/4" 24hr	739.30	734.36	0.0008	3.22	3.21	208	12.2111	0.2209	12.1919	12.2000
CI-Ex-05	100YR0 1hr	739.30	737.63	-0.0023	26.65	26.09	214	0.8645	1.0759	0.6713	0.9925
CI-Ex-05	100YR0 2hr	739.30	737.85	-0.0024	27.85	27.91	214	1.3663	1.6829	1.5426	1.5418
CI-Ex-05	100YR0 3hr	739.30	737.89	-0.0023	27.93	27.98	214	1.8478	2.1977	2.0217	2.0208
CI-Ex-05	100YR0 6hr	739.30	738.05	-0.0014	27.43	27.46	214	3.3234	3.8456	3.4380	3.4373
CI-Ex-05	100YR1 2hr	739.30	737.98	0.0010	26.56	26.57	214	6.2361	0.2037	6.3468	6.3470
CI-Ex-05	100YR2 4hr	739.30	737.96	0.0008	24.57	24.53	214	12.4493	0.2209	12.1977	12.1980
CI-Ex318	002YR0 1HR	738.90	735.33	0.0010	0.92	0.86	211	0.8059	0.0994	0.7556	0.7870
CI-Ex318	002YR0 2HR	738.90	735.50	0.0010	1.28	1.18	211	1.2958	0.0994	1.2361	1.2694
CI-Ex318	002YR0 3HR	738.90	735.54	0.0010	1.35	1.21	211	1.7866	0.0994	1.7336	1.7686
CI-Ex318	002YR0 6HR	738.90	735.81	0.0010	1.71	1.58	211	3.2597	0.0994	3.2010	3.2504
CI-Ex318	002YR1 2HR	738.90	736.02	0.0010	2.04	1.88	211	6.2168	0.0994	6.1673	6.1988
CI-Ex318	002YR2 4HR	738.90	736.09	0.0010	2.14	2.05	211	12.1644	0.0994	12.1188	12.1516
CI-Ex318	010YR0 1Hr	738.90	736.72	0.0010	3.33	2.92	211	0.7871	0.0994	0.7223	0.7669
CI-Ex318	010YR0 2Hr	738.90	737.29	0.0010	4.02	3.70	212	1.2709	0.0994	1.1820	1.2501
CI-Ex318	010YR0 3Hr	738.90	737.37	0.0010	4.08	3.80	212	1.7613	0.0994	1.7169	1.7341
CI-Ex318	010YR0 6Hr	738.90	738.05	0.0010	4.96	4.57	212	3.2344	0.0994	3.1837	3.2016
CI-Ex318	010YR1 2Hr	738.90	738.14	0.0010	5.09	4.72	212	6.1915	0.0994	6.1504	6.1581
CI-Ex318	010YR2 4Hr	738.90	737.87	0.0010	4.65	4.41	212	12.1502	0.0994	12.1006	12.1173
CI-Ex318	1 1/4" 24hr	738.90	734.73	0.0010	0.32	0.34	161	12.1980	0.0994	0.1262	0.1906
CI-Ex318	100YR0	738.90	738.79	-0.0019	7.24	5.88	212	0.8444	1.0779	0.6716	0.6722

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
8	1hr										
CI-Ex318	100YR0 2hr	738.90	739.01	-0.0021	7.84	6.15	2438	1.3819	1.6848	1.1396	1.1398
CI-Ex318	100YR0 3hr	738.90	739.04	-0.0020	7.86	6.16	3153	1.8853	2.1995	1.6260	1.6263
CI-Ex318	100YR0 6hr	738.90	739.16	0.0015	7.75	6.10	5758	3.4159	3.0861	3.0866	3.0877
CI-Ex318	100YR1 2hr	738.90	739.12	0.0011	6.93	5.67	4864	6.3610	6.0378	6.0382	6.0391
CI-Ex318	100YR2 4hr	738.90	738.94	-0.0010	5.91	5.06	980	12.2559	13.4867	11.9845	11.9852
CI-Ex319	002YR0 1HR	739.00	735.32	0.0010	0.86	0.85	118	0.8068	0.0234	0.7870	0.8025
CI-Ex319	002YR0 2HR	739.00	735.50	0.0010	1.18	1.15	118	1.2974	0.0234	1.2694	1.3108
CI-Ex319	002YR0 3HR	739.00	735.54	0.0010	1.21	1.20	118	1.7880	0.0234	1.7686	1.7906
CI-Ex319	002YR0 6HR	739.00	735.80	0.0010	1.58	1.59	118	3.2602	0.0234	3.2504	3.2727
CI-Ex319	002YR1 2HR	739.00	736.01	0.0010	1.88	1.89	118	6.2176	0.0234	6.1988	6.2338
CI-Ex319	002YR2 4HR	739.00	736.08	0.0010	2.05	2.06	118	12.1654	0.0234	12.1516	12.1782
CI-Ex319	010YR0 1Hr	739.00	736.71	-0.0010	2.92	2.86	118	0.7876	0.8696	0.7669	0.7877
CI-Ex319	010YR0 2Hr	739.00	737.27	0.0010	3.70	3.61	118	1.2717	0.0234	1.2501	1.2717
CI-Ex319	010YR0 3Hr	739.00	737.35	0.0010	3.80	3.70	118	1.7626	0.0234	1.7341	1.7626
CI-Ex319	010YR0 6Hr	739.00	738.02	0.0010	4.57	4.43	118	3.2351	0.0234	3.2016	3.2351
CI-Ex319	010YR1 2Hr	739.00	738.11	0.0010	4.72	4.54	118	6.1921	0.0234	6.1581	6.2058
CI-Ex319	010YR2 4Hr	739.00	737.85	0.0010	4.41	4.23	118	12.1512	0.0234	12.1173	12.1259
CI-Ex319	1 1/4" 24hr	739.00	734.78	0.0010	0.32	0.32	113	0.2662	0.0234	0.1145	0.1262
CI-Ex319	100YR0 1hr	739.00	738.75	-0.0019	5.88	5.01	118	0.8457	1.0780	0.6722	0.7643
CI-Ex319	100YR0 2hr	739.00	738.98	-0.0021	6.15	5.07	118	1.3854	1.6848	1.1398	1.2246
CI-Ex319	100YR0 3hr	739.00	739.01	-0.0020	6.16	5.06	231	1.8880	2.1996	1.6263	1.7053
CI-Ex319	100YR0 6hr	739.00	739.13	0.0015	6.10	4.99	2892	3.4299	3.0865	3.0877	3.1430

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 [ft <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
CI-Ex319	100YR1 2hr	739.00	739.09	0.0011	5.67	4.81	2035	6.3706	6.0381	6.0391	6.0660
CI-Ex319	100YR2 4hr	739.00	738.92	0.0010	5.06	4.49	117	12.2586	0.0234	11.9852	12.0602
DS Ex CB	002YR0 1HR	738.91	731.66	0.0008	3.03	0.00	0	3.0004	2.2276	1.6752	0.0000
DS Ex CB	002YR0 2HR	738.91	732.41	0.0015	5.54	0.00	0	6.0003	0.8496	2.3336	0.0000
DS Ex CB	002YR0 3HR	738.91	733.16	0.0023	6.03	0.00	0	9.0015	1.1336	3.1064	0.0000
DS Ex CB	002YR0 6HR	738.91	733.91	0.0042	7.99	1.66	0	11.9998	1.7563	4.2402	11.9998
DS Ex CB	002YR1 2HR	738.91	733.91	0.0042	11.83	0.00	0	12.0010	1.7563	7.4505	0.0000
DS Ex CB	002YR2 4HR	738.91	733.91	0.0042	15.98	3.93	0	12.0000	1.7563	12.8934	11.9307
DS Ex CB	010YR0 1Hr	738.91	731.66	0.0003	11.84	0.00	0	3.0004	1.9445	1.4228	0.0000
DS Ex CB	010YR0 2Hr	738.91	732.41	0.0009	16.57	0.00	0	6.0011	0.6723	2.0534	0.0000
DS Ex CB	010YR0 3Hr	738.91	733.16	0.0016	17.24	0.00	0	9.0013	0.9151	2.5131	0.0000
DS Ex CB	010YR0 6Hr	738.91	733.91	0.0033	22.43	0.54	0	11.9998	1.4539	3.7426	11.9998
DS Ex CB	010YR1 2Hr	738.91	733.91	0.0042	23.83	0.00	0	11.9994	1.7563	7.0052	0.0000
DS Ex CB	010YR2 4Hr	738.91	733.91	0.0042	22.70	3.23	0	12.0000	1.7563	12.8934	11.4864
DS Ex CB	1 1/4" 24hr	738.91	733.91	0.0001	3.72	3.94	0	12.0000	0.1092	13.4603	12.0002
DS Ex CB	100YR0 1hr	738.91	731.66	0.0002	22.83	0.00	0	3.0008	2.9991	1.4107	0.0000
DS Ex CB	100YR0 2hr	738.91	732.41	0.0005	27.31	0.00	0	6.0010	0.5412	2.1020	0.0000
DS Ex CB	100YR0 3hr	738.91	733.16	0.0010	28.21	0.00	0	9.0025	0.7091	2.5787	0.0000
DS Ex CB	100YR0 6hr	738.91	733.91	0.0023	32.00	0.00	0	12.0009	1.1336	4.0496	0.0000
DS Ex CB	100YR1 2hr	738.91	733.91	0.0042	33.78	0.00	0	12.0005	1.7563	7.0058	0.0000
DS Ex CB	100YR2 4hr	738.91	733.91	0.0001	30.58	1.65	0	12.0000	0.1092	13.0428	10.2887
Direct Discharge	002YR0 1HR	0.00	0.00	0.0000	15.19	0.00	0	0.0000	0.0000	0.7500	0.0000

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Direct Discharge	002YR0 2HR	0.00	0.00	0.0000	18.16	0.00	0	0.0000	0.0000	1.2333	0.0000
Direct Discharge	002YR0 3HR	0.00	0.00	0.0000	18.71	0.00	0	0.0000	0.0000	1.7333	0.0000
Direct Discharge	002YR0 6HR	0.00	0.00	0.0000	22.57	0.00	0	0.0000	0.0000	3.2000	0.0000
Direct Discharge	002YR1 2HR	0.00	0.00	0.0000	24.97	0.00	0	0.0000	0.0000	6.1667	0.0000
Direct Discharge	002YR2 4HR	0.00	0.00	0.0000	25.18	0.00	0	0.0000	0.0000	12.1166	0.0000
Direct Discharge	010YR0 1Hr	0.00	0.00	0.0000	32.61	0.00	0	0.0000	0.0000	0.7333	0.0000
Direct Discharge	010YR0 2Hr	0.00	0.00	0.0000	37.97	0.00	0	0.0000	0.0000	1.2333	0.0000
Direct Discharge	010YR0 3Hr	0.00	0.00	0.0000	38.58	0.00	0	0.0000	0.0000	1.7167	0.0000
Direct Discharge	010YR0 6Hr	0.00	0.00	0.0000	43.87	0.00	0	0.0000	0.0000	3.1834	0.0000
Direct Discharge	010YR1 2Hr	0.00	0.00	0.0000	44.63	0.00	0	0.0000	0.0000	6.1500	0.0000
Direct Discharge	010YR2 4Hr	0.00	0.00	0.0000	41.17	0.00	0	0.0000	0.0000	12.1167	0.0000
Direct Discharge	1 1/4" 24hr	0.00	0.00	0.0000	4.94	0.00	0	0.0000	0.0000	12.1333	0.0000
Direct Discharge	100YR0 1hr	0.00	0.00	0.0000	64.66	0.00	0	0.0000	0.0000	0.7333	0.0000
Direct Discharge	100YR0 2hr	0.00	0.00	0.0000	75.51	0.00	0	0.0000	0.0000	1.2167	0.0000
Direct Discharge	100YR0 3hr	0.00	0.00	0.0000	76.97	0.00	0	0.0000	0.0000	1.7166	0.0000

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Direct Discharge	100YR0 6hr	0.00	0.00	0.0000	84.94	0.00	0	0.0000	0.0000	3.1833	0.0000
Direct Discharge	100YR1 2hr	0.00	0.00	0.0000	79.33	0.00	0	0.0000	0.0000	6.1500	0.0000
Direct Discharge	100YR2 4hr	0.00	0.00	0.0000	66.01	0.00	0	0.0000	0.0000	12.1166	0.0000
EastFarmField	002YR0 1HR	743.00	737.30	0.0006	6.78	0.00	0	3.0004	2.2276	0.8323	0.0000
EastFarmField	002YR0 2HR	743.00	737.80	0.0010	8.19	0.00	0	6.0003	0.8496	1.3153	0.0000
EastFarmField	002YR0 3HR	743.00	738.30	0.0016	8.51	0.00	0	9.0015	1.1429	1.8045	0.0000
EastFarmField	002YR0 6HR	743.00	738.80	0.0028	10.61	0.03	0	11.9998	1.7730	3.2827	9.3983
EastFarmField	002YR1 2HR	743.00	738.80	0.0028	12.43	0.00	0	12.0010	1.7730	6.2365	0.0000
EastFarmField	002YR2 4HR	743.00	738.80	0.0028	13.55	0.00	0	12.0000	1.7730	12.1867	0.0000
EastFarmField	010YR0 1Hr	743.00	737.30	0.0002	15.49	0.00	0	3.0004	1.9418	0.8184	0.0000
EastFarmField	010YR0 2Hr	743.00	737.80	0.0006	18.38	0.00	0	6.0011	0.6759	1.3035	0.0000
EastFarmField	010YR0 3Hr	743.00	738.30	0.0011	18.84	0.00	0	9.0013	0.9610	1.7973	0.0000
EastFarmField	010YR0 6Hr	743.00	738.80	0.0022	22.05	0.03	0	11.9998	1.4805	3.2766	9.3970
EastFarmField	010YR1 2Hr	743.00	738.80	0.0028	23.64	0.00	0	11.9994	1.7730	6.2355	0.0000
EastFarmField	010YR2 4Hr	743.00	738.80	0.0028	23.25	0.00	0	12.0000	1.7730	12.1848	0.0000
EastFarmField	1 1/4" 24hr	743.00	738.80	0.0000	2.01	0.03	0	12.0000	0.1089	12.2186	9.4112
EastFarmField	100YR0 1hr	743.00	737.30	0.0001	32.02	0.00	0	3.0008	2.9991	0.8129	0.0000
EastFarmField	100YR0 2hr	743.00	737.80	0.0003	37.74	0.00	0	6.0010	0.5412	1.3005	0.0000
EastFarmField	100YR0 3hr	743.00	738.30	0.0007	38.86	0.00	0	9.0025	0.7132	1.7909	0.0000
EastFarmField	100YR0 6hr	743.00	738.80	0.0016	43.46	0.03	0	12.0009	1.1429	3.2757	9.3962
EastFarmField	100YR1 2hr	743.00	738.80	0.0028	42.13	0.00	0	12.0005	1.7730	6.2359	0.0000



Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
EastFar mField	100YR2 4hr	743.00	738.80	0.0000	37.41	0.00	0	12.0000	0.1089	12.1832	0.0000
Ex Pond A	002YR0 1HR	738.00	735.25	0.0002	11.87	0.82	63909	1.3828	0.8351	0.7667	1.3948
Ex Pond A	002YR0 2HR	738.00	735.35	0.0002	14.84	1.03	64452	2.2654	1.3132	1.2500	2.2764
Ex Pond A	002YR0 3HR	738.00	735.37	0.0002	15.55	1.08	64582	3.2005	1.8045	1.7334	3.2174
Ex Pond A	002YR0 6HR	738.00	735.46	0.0003	20.00	1.27	65087	5.2106	3.2792	3.2166	5.2418
Ex Pond A	002YR1 2HR	738.00	735.53	0.0003	23.58	1.42	65530	8.0056	6.2419	6.1667	8.0664
Ex Pond A	002YR2 4HR	738.00	735.62	0.0003	25.11	1.51	66034	14.0987	12.1895	12.1333	14.1675
Ex Pond A	010YR0 1Hr	738.00	735.63	0.0002	29.84	1.54	66086	1.3922	0.8245	0.7500	1.2703
Ex Pond A	010YR0 2Hr	738.00	735.82	0.0002	36.31	1.85	67181	2.2691	1.3183	1.2333	2.1612
Ex Pond A	010YR0 3Hr	738.00	735.87	0.0002	37.39	1.92	67454	3.2039	1.8083	1.7333	3.1984
Ex Pond A	010YR0 6Hr	738.00	736.04	-0.0002	44.64	2.21	68533	5.2250	1.4539	3.2000	5.2379
Ex Pond A	010YR1 2Hr	738.00	736.15	-0.0003	46.98	2.41	69297	8.0123	1.7396	6.1667	7.3178
Ex Pond A	010YR2 4Hr	738.00	736.29	-0.0003	44.70	2.64	70285	13.9484	20.6873	12.1167	14.2592
Ex Pond A	1 1/4" 24hr	738.00	735.00	0.0000	3.12	0.32	62488	0.0000	12.1503	12.1500	0.1145
Ex Pond A	100YR0 1hr	738.00	736.35	0.0004	64.31	2.68	70696	1.4136	0.7983	0.7333	1.7589
Ex Pond A	100YR0 2hr	738.00	736.79	0.0004	76.75	3.17	73827	2.3172	1.2568	1.2200	3.2075
Ex Pond A	100YR0 3hr	738.00	736.94	-0.0004	79.20	3.34	74943	3.2514	7.7995	1.7166	4.1548
Ex Pond A	100YR0 6hr	738.00	737.40	-0.0004	89.37	3.78	78242	6.0663	16.8442	3.1833	7.1475
Ex Pond A	100YR1 2hr	738.00	737.50	-0.0005	85.20	3.84	78968	8.9542	19.2177	6.1500	11.4153
Ex Pond A	100YR2 4hr	738.00	737.53	0.0005	72.54	3.86	79121	14.7109	12.1677	12.1166	17.3235
Ex Pond B	002YR0 1HR	737.00	733.42	0.0007	18.69	3.03	42055	1.6745	0.9340	0.8835	1.6752
Ex Pond B	002YR0 2HR	737.00	733.66	0.0007	22.41	5.54	42941	2.3329	1.4058	1.3627	2.3336
Ex Pond	002YR0	737.00	733.70	0.0007	23.37	6.03	43088	3.1052	1.8942	1.8503	3.1064

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
B	3HR										
Ex Pond B	002YR0 6HR	737.00	733.88	0.0007	29.49	7.99	43676	12.0003	3.2966	3.3175	4.2402
Ex Pond B	002YR1 2HR	737.00	734.07	0.0009	35.14	11.83	44350	6.9853	11.2813	6.2708	7.4505
Ex Pond B	002YR2 4HR	737.00	734.72	0.0010	39.53	15.98	46213	12.7089	10.2088	12.2212	12.8934
Ex Pond B	010YR0 1Hr	737.00	734.11	0.0006	42.34	11.84	44532	1.4222	0.8245	0.8466	1.4228
Ex Pond B	010YR0 2Hr	737.00	734.38	-0.0005	50.00	16.57	45403	2.0528	2.6947	1.3262	2.0534
Ex Pond B	010YR0 3Hr	737.00	734.41	-0.0005	51.62	17.24	45503	2.5126	3.5682	1.8165	2.5131
Ex Pond B	010YR0 6Hr	737.00	734.68	-0.0006	61.57	22.43	46334	3.8784	4.6560	3.3012	3.7426
Ex Pond B	010YR1 2Hr	737.00	735.01	-0.0010	66.70	23.83	47354	6.8973	7.6630	6.2608	7.0052
Ex Pond B	010YR2 4Hr	737.00	735.77	0.0010	67.10	22.70	50174	12.7973	10.3635	12.1981	12.8934
Ex Pond B	1 1/4" 24hr	737.00	733.79	0.0002	9.82	3.72	43212	12.8667	12.2703	12.2753	13.4603
Ex Pond B	100YR0 1hr	737.00	735.35	0.0007	81.89	22.83	48549	1.4102	0.9967	0.9057	1.4107
Ex Pond B	100YR0 2hr	737.00	736.04	-0.0008	93.59	27.31	51261	2.1015	3.4995	1.4000	2.1020
Ex Pond B	100YR0 3hr	737.00	736.19	-0.0008	96.73	28.21	51743	2.5784	4.4892	1.8730	2.5787
Ex Pond B	100YR0 6hr	737.00	736.88	-0.0009	109.33	32.00	54818	4.0487	7.0968	3.3695	4.0496
Ex Pond B	100YR1 2hr	737.00	737.13	0.0008	109.39	33.78	55345	6.9993	5.0872	6.3000	7.0058
Ex Pond B	100YR2 4hr	737.00	737.38	0.0008	100.28	30.58	55345	12.9288	12.1929	12.2239	13.0428
Lake 1	002YR0 1HR	748.00	743.31	0.0010	17.09	0.88	24297	1.6203	0.8967	0.8335	1.6138
Lake 1	002YR0 2HR	748.00	743.68	0.0010	19.90	1.03	25354	2.4413	1.3858	1.3167	2.4274
Lake 1	002YR0 3HR	748.00	743.80	0.0010	20.43	1.08	25703	3.3509	1.8813	1.8167	3.3488
Lake 1	002YR0 6HR	748.00	744.19	0.0010	23.98	1.22	26834	6.1709	3.2942	3.2834	6.1606
Lake 1	002YR1 2HR	748.00	744.47	0.0010	26.38	1.49	27669	8.8022	6.2841	6.2498	8.8174
Lake 1	002YR2 4HR	748.00	744.75	0.0010	27.03	2.00	28471	14.0139	12.2089	12.1834	13.9812

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Lake 1	010YR0 1Hr	748.00	744.42	0.0008	34.10	1.42	27515	1.6409	0.8245	0.8167	1.6279
Lake 1	010YR0 2Hr	748.00	744.95	0.0006	39.12	2.38	29061	2.3845	1.3183	1.3166	2.3802
Lake 1	010YR0 3Hr	748.00	745.09	0.0006	39.54	2.55	29450	3.2658	1.8083	1.8000	3.2533
Lake 1	010YR0 6Hr	748.00	745.50	-0.0006	44.41	3.00	30655	5.1224	7.6463	3.2833	5.0951
Lake 1	010YR1 2Hr	748.00	745.81	-0.0007	45.50	3.29	31538	7.7782	10.6148	6.2333	7.7812
Lake 1	010YR2 4Hr	748.00	746.07	-0.0008	43.08	3.51	32318	13.6814	17.8186	12.1834	13.6626
Lake 1	1 1/4" 24hr	748.00	742.64	0.0003	6.09	0.52	22430	14.2892	12.2003	12.2167	14.3011
Lake 1	100YR0 1hr	748.00	746.03	0.0010	64.41	3.48	32205	1.5756	0.7983	0.8167	1.5679
Lake 1	100YR0 2hr	748.00	746.93	0.0009	74.19	4.16	35030	2.3771	1.2575	1.3166	2.3693
Lake 1	100YR0 3hr	748.00	747.19	-0.0010	75.61	4.76	37185	3.2363	7.7995	1.8000	3.2290
Lake 1	100YR0 6hr	748.00	747.55	-0.0010	82.67	9.05	40784	4.2446	10.4861	3.2667	4.2348
Lake 1	100YR1 2hr	748.00	747.67	0.0010	78.57	10.29	42060	7.1045	5.0872	6.2333	7.1006
Lake 1	100YR2 4hr	748.00	747.64	0.0010	67.74	10.06	41771	13.0092	12.1677	12.1834	12.9987
Lake 2	002YR0 1HR	741.00	735.37	0.0003	16.36	0.26	76768	1.7353	0.8351	0.7834	1.7243
Lake 2	002YR0 2HR	741.00	735.52	0.0003	19.82	0.45	77647	2.5448	1.3303	1.2667	2.5371
Lake 2	002YR0 3HR	741.00	735.58	0.0003	20.58	0.53	78016	3.4534	3.0357	1.7666	3.4224
Lake 2	002YR0 6HR	741.00	735.78	0.0003	25.63	0.82	79244	6.2953	4.4486	3.2334	6.2806
Lake 2	002YR1 2HR	741.00	735.95	0.0003	29.75	1.01	80272	12.0864	6.2841	6.2000	12.1002
Lake 2	002YR2 4HR	741.00	736.10	0.0004	32.05	1.15	81274	17.7533	12.2089	12.1500	17.7896
Lake 2	010YR0 1Hr	741.00	735.83	0.0003	38.24	0.89	79527	1.6610	0.8245	0.7833	1.6472
Lake 2	010YR0 2Hr	741.00	736.11	0.0002	45.77	1.15	81334	2.4967	1.3183	1.2667	2.5001
Lake 2	010YR0 3Hr	741.00	736.21	0.0003	46.88	1.24	82054	3.4140	2.9326	1.7509	3.4279
Lake 2	010YR0	741.00	736.57	0.0003	55.30	1.52	84525	6.2859	4.4923	3.2333	6.3084

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	6Hr										
Lake 2	010YR1 2Hr	741.00	736.80	0.0002	58.54	1.68	86144	12.0786	6.2221	6.2000	12.0558
Lake 2	010YR2 4Hr	741.00	736.95	0.0002	56.91	1.78	87178	17.7929	12.1823	12.1500	17.7348
Lake 2	1 1/4" 24hr	741.00	735.25	0.0001	4.94	0.12	75995	24.0003	12.1667	12.1667	23.9903
Lake 2	100YR0 1hr	741.00	736.71	0.0004	80.60	1.62	85568	1.6751	0.7983	0.7667	1.6689
Lake 2	100YR0 2hr	741.00	737.28	0.0004	96.13	1.98	89501	2.5121	1.2568	1.2500	2.4967
Lake 2	100YR0 3hr	741.00	737.50	0.0004	99.42	2.09	91058	3.4303	1.7341	1.7500	3.4190
Lake 2	100YR0 6hr	741.00	738.14	0.0004	112.73	2.36	95502	6.3152	3.4426	3.2333	6.2887
Lake 2	100YR1 2hr	741.00	738.38	0.0004	108.70	2.45	97185	12.1498	6.2273	6.1834	12.1414
Lake 2	100YR2 4hr	741.00	738.34	0.0005	94.75	2.43	96875	18.1810	12.1677	12.1499	18.1107
Lake 3	002YR0 1HR	736.00	732.16	0.0010	9.13	1.07	64166	2.5931	0.4889	0.6500	2.5931
Lake 3	002YR0 2HR	736.00	732.36	0.0010	10.90	1.62	64980	3.2583	0.9760	1.1500	3.2401
Lake 3	002YR0 3HR	736.00	732.43	0.0010	11.25	1.82	65311	3.9989	1.4356	1.6333	4.0038
Lake 3	002YR0 6HR	736.00	732.67	0.0010	13.44	2.55	66307	6.1472	4.4486	3.1167	6.1368
Lake 3	002YR1 2HR	736.00	732.86	0.0010	14.65	2.90	67113	9.1774	7.1641	6.0834	9.1413
Lake 3	002YR2 4HR	736.00	733.09	-0.0010	17.42	3.25	68102	14.9480	50.7936	12.7502	14.9131
Lake 3	010YR0 1Hr	736.00	732.77	0.0010	19.83	2.75	66711	2.5467	0.4786	0.6500	2.5259
Lake 3	010YR0 2Hr	736.00	733.16	0.0010	23.00	3.35	68400	3.2743	0.8413	1.1334	3.2673
Lake 3	010YR0 3Hr	736.00	733.31	0.0010	23.33	3.55	69045	4.0163	2.7935	1.6333	4.0010
Lake 3	010YR0 6Hr	736.00	733.78	0.0010	27.19	4.11	71091	6.2810	4.3571	3.1167	6.3233
Lake 3	010YR1 2Hr	736.00	734.06	0.0010	29.57	4.41	72295	9.5252	7.2620	6.8168	9.5175
Lake 3	010YR2 4Hr	736.00	734.30	0.0010	31.59	4.65	73358	15.2232	6.2838	12.7333	15.1758
Lake 3	1 1/4" 24hr	736.00	731.90	0.0004	2.66	0.43	62819	16.7047	11.6592	12.0668	16.6764

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Lake 3	100YR0 1hr	736.00	734.00	0.0010	40.87	4.35	72041	2.6974	0.4105	0.6500	2.6842
Lake 3	100YR0 2hr	736.00	734.83	0.0010	48.88	6.10	75680	3.3282	0.6665	1.1443	3.3208
Lake 3	100YR0 3hr	736.00	735.07	0.0010	50.36	9.42	76745	3.8507	0.9396	1.6333	3.8283
Lake 3	100YR0 6hr	736.00	735.77	0.0009	57.58	10.84	79919	5.8579	1.5116	3.1167	6.3969
Lake 3	100YR1 2hr	736.00	735.97	0.0008	57.86	11.01	80817	8.7358	7.0203	6.7834	9.4010
Lake 3	100YR2 4hr	736.00	735.96	0.0007	54.90	11.00	80788	14.5678	12.8372	12.7166	15.1131
Lake 4	002YR0 1HR	733.00	730.02	0.0007	48.63	1.10	93847	3.0004	0.9264	0.8542	2.9916
Lake 4	002YR0 2HR	733.00	730.27	0.0007	57.13	3.96	95221	2.4991	1.4058	1.3276	2.4965
Lake 4	002YR0 3HR	733.00	730.36	0.0007	58.75	5.38	95676	3.3409	1.8942	1.8184	3.3386
Lake 4	002YR0 6HR	733.00	730.51	0.0007	70.44	8.40	96514	5.1412	3.2942	3.2773	5.1487
Lake 4	002YR1 2HR	733.00	730.66	0.0008	78.26	11.65	97314	7.2813	6.2841	6.2271	7.2794
Lake 4	002YR2 4HR	733.00	730.85	0.0008	80.76	16.31	98316	12.9369	12.2089	12.1736	12.9360
Lake 4	010YR0 1Hr	733.00	730.71	0.0006	100.02	12.79	97572	1.4676	0.8245	0.8008	1.4676
Lake 4	010YR0 2Hr	733.00	730.99	0.0005	115.26	19.66	99054	2.1478	1.3183	1.2771	2.1472
Lake 4	010YR0 3Hr	733.00	731.02	0.0005	117.07	20.25	99207	2.6469	1.8083	1.7654	2.6469
Lake 4	010YR0 6Hr	733.00	731.27	-0.0004	131.95	25.49	100606	3.9979	6.1231	3.2283	3.9971
Lake 4	010YR1 2Hr	733.00	731.48	-0.0005	134.69	30.34	101806	6.9029	8.2202	6.1896	6.9032
Lake 4	010YR2 4Hr	733.00	731.66	0.0006	128.41	35.58	102831	12.7369	9.4545	12.1407	12.7365
Lake 4	1 1/4" 24hr	733.00	729.73	0.0002	16.52	0.83	92123	24.0003	12.2555	12.2589	23.9878
Lake 4	100YR0 1hr	733.00	731.65	0.0007	181.98	35.27	102752	1.4204	0.7983	0.7351	1.4204
Lake 4	100YR0 2hr	733.00	732.12	0.0007	199.10	42.85	105379	2.1640	1.2568	1.2199	2.1650
Lake 4	100YR0 3hr	733.00	732.22	0.0006	201.31	43.98	105918	2.6902	1.7334	1.7004	2.6916
Lake 4	100YR0	733.00	732.63	0.0005	213.12	48.23	108221	4.1260	3.2830	3.1753	4.1115

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	6hr										
Lake 4	100YR1 2hr	733.00	732.85	0.0008	204.71	49.28	109407	7.0409	5.0872	6.1439	7.0380
Lake 4	100YR2 4hr	733.00	732.91	0.0006	184.70	49.54	109734	12.8953	12.1677	12.1000	12.8826
Ninevah RdBasin	002YR0 1HR	742.00	739.21	-0.0009	6.79	6.78	351	0.8344	1.8713	0.8292	0.8323
Ninevah RdBasin	002YR0 2HR	742.00	739.31	-0.0010	8.19	8.19	364	1.3175	2.7607	1.3060	1.3153
Ninevah RdBasin	002YR0 3HR	742.00	739.34	-0.0008	8.52	8.51	367	1.8054	3.7007	1.8000	1.8045
Ninevah RdBasin	002YR0 6HR	742.00	739.48	-0.0010	10.62	10.61	383	3.2834	6.6227	3.2686	3.2827
Ninevah RdBasin	002YR1 2HR	742.00	739.59	0.0009	12.44	12.43	397	6.2373	5.3145	6.2332	6.2365
Ninevah RdBasin	002YR2 4HR	742.00	739.66	-0.0009	13.56	13.55	381	12.1860	24.4221	12.1832	12.1867
Ninevah RdBasin	010YR0 1Hr	742.00	739.77	-0.0009	15.50	15.49	410	0.8193	1.9960	0.8165	0.8184
Ninevah RdBasin	010YR0 2Hr	742.00	739.94	-0.0006	18.40	18.38	421	1.3046	2.4648	1.3000	1.3035
Ninevah RdBasin	010YR0 3Hr	742.00	739.96	-0.0008	18.87	18.84	423	1.7992	3.8106	1.7839	1.7973
Ninevah RdBasin	010YR0 6Hr	742.00	740.14	0.0009	22.07	22.05	451	3.2786	2.4087	3.2671	3.2766
Ninevah RdBasin	010YR1 2Hr	742.00	740.23	0.0009	23.66	23.64	454	6.2359	4.4575	6.2333	6.2355
Ninevah RdBasin	010YR2 4Hr	742.00	740.20	0.0009	23.27	23.25	420	12.1856	8.7769	12.1832	12.1848
Ninevah RdBasin	1 1/4" 24hr	742.00	738.85	-0.0002	2.00	2.01	316	12.1919	16.5028	12.2167	12.2186
Ninevah RdBasin	100YR0 1hr	742.00	740.67	-0.0005	32.04	32.02	455	0.8149	2.1177	0.8023	0.8129
Ninevah RdBasin	100YR0 2hr	742.00	740.98	-0.0005	37.76	37.74	455	1.3011	1.5261	1.3000	1.3005
Ninevah RdBasin	100YR0 3hr	742.00	741.04	0.0007	38.91	38.86	455	1.7920	1.0962	1.7834	1.7909
Ninevah RdBasin	100YR0 6hr	742.00	741.29	0.0009	43.59	43.46	941	3.2762	1.8206	3.2666	3.2757
Ninevah RdBasin	100YR1 2hr	742.00	741.22	0.0009	42.19	42.13	779	6.2365	3.3484	6.2279	6.2359
Ninevah RdBasin	100YR2 4hr	742.00	740.96	-0.0007	37.41	37.41	421	12.1835	12.4123	12.1818	12.1832
Outlet 4	002YR0 1HR	725.00	725.00	0.0000	1.10	0.00	0	0.0000	0.0000	2.9945	0.0000

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Outlet 4	002YR0 2HR	725.00	725.00	0.0000	3.96	0.00	0	0.0000	0.0000	2.5240	0.0000
Outlet 4	002YR0 3HR	725.00	725.00	0.0000	5.38	0.00	0	0.0000	0.0000	3.3853	0.0000
Outlet 4	002YR0 6HR	725.00	725.00	0.0000	8.40	0.00	0	0.0000	0.0000	5.1980	0.0000
Outlet 4	002YR1 2HR	725.00	725.00	0.0000	11.65	0.00	0	0.0000	0.0000	7.2952	0.0000
Outlet 4	002YR2 4HR	725.00	725.00	0.0000	16.31	0.00	0	0.0000	0.0000	12.9487	0.0000
Outlet 4	010YR0 1Hr	725.00	725.00	0.0000	12.79	0.00	0	0.0000	0.0000	1.4902	0.0000
Outlet 4	010YR0 2Hr	725.00	725.00	0.0000	19.66	0.00	0	0.0000	0.0000	2.1747	0.0000
Outlet 4	010YR0 3Hr	725.00	725.00	0.0000	20.32	0.00	0	0.0000	0.0000	2.6543	0.0000
Outlet 4	010YR0 6Hr	725.00	725.00	0.0000	25.48	0.00	0	0.0000	0.0000	4.0226	0.0000
Outlet 4	010YR1 2Hr	725.00	725.00	0.0000	30.34	0.00	0	0.0000	0.0000	6.9235	0.0000
Outlet 4	010YR2 4Hr	725.00	725.00	0.0000	35.58	0.00	0	0.0000	0.0000	12.7512	0.0000
Outlet 4	1 1/4" 24hr	725.00	725.00	0.0000	0.83	0.00	0	0.0000	0.0000	23.9672	0.0000
Outlet 4	100YR0 1hr	725.00	725.00	0.0000	35.27	0.00	0	0.0000	0.0000	1.4290	0.0000
Outlet 4	100YR0 2hr	725.00	725.00	0.0000	42.85	0.00	0	0.0000	0.0000	2.1710	0.0000
Outlet 4	100YR0 3hr	725.00	725.00	0.0000	43.98	0.00	0	0.0000	0.0000	2.7141	0.0000
Outlet 4	100YR0 6hr	725.00	725.00	0.0000	48.23	0.00	0	0.0000	0.0000	4.1577	0.0000
Outlet 4	100YR1 2hr	725.00	725.00	0.0000	49.28	0.00	0	0.0000	0.0000	7.0636	0.0000
Outlet 4	100YR2 4hr	725.00	725.00	0.0000	49.54	0.00	0	0.0000	0.0000	12.9232	0.0000
Outlet1	002YR0 1HR	746.34	740.61	-0.0004	1.24	1.24	389	0.9436	2.2276	0.9166	0.9439
Outlet1	002YR0 2HR	746.34	740.68	-0.0005	1.59	1.58	407	1.4041	2.5886	1.3837	1.4041
Outlet1	002YR0 3HR	746.34	740.70	-0.0005	1.69	1.68	412	1.8914	3.5791	1.8668	1.8914
Outlet1	002YR0 6HR	746.34	740.82	-0.0006	2.35	2.34	434	3.3563	6.4871	3.3336	3.3563
Outlet1	002YR1	746.34	740.94	-0.0007	3.09	3.08	450	6.2967	12.3927	6.2824	6.2969

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	2HR										
Outlet1	002YR2 4HR	746.34	741.04	0.0008	3.80	3.79	459	12.2245	11.3754	12.2111	12.2245
Outlet1	010YR0 1Hr	746.34	741.02	-0.0005	3.67	3.66	458	0.8899	1.7391	0.8696	0.8899
Outlet1	010YR0 2Hr	746.34	741.14	-0.0005	4.56	4.54	464	1.3716	2.5835	1.3503	1.3717
Outlet1	010YR0 3Hr	746.34	741.17	-0.0005	4.78	4.77	465	1.8585	3.5461	1.8458	1.8585
Outlet1	010YR0 6Hr	746.34	741.33	-0.0006	6.10	6.09	466	3.3436	6.4643	3.3336	3.3436
Outlet1	010YR1 2Hr	746.34	741.43	-0.0008	7.00	6.99	466	6.2901	12.4312	6.2794	6.2902
Outlet1	010YR2 4Hr	746.34	741.47	0.0007	7.36	7.35	466	12.2364	10.0694	12.2174	12.2366
Outlet1	1 1/4" 24hr	746.34	740.29	0.0003	0.21	0.21	260	12.3778	12.1608	12.3336	12.3780
Outlet1	100YR0 1hr	746.34	741.63	0.0003	8.87	8.86	466	0.9022	0.6155	0.8894	0.9023
Outlet1	100YR0 2hr	746.34	741.81	0.0004	10.66	10.65	466	1.4007	1.0624	1.3891	1.4008
Outlet1	100YR0 3hr	746.34	741.85	0.0004	11.15	11.15	466	1.8907	1.5541	1.8831	1.8907
Outlet1	100YR0 6hr	746.34	742.00	0.0007	12.83	12.82	466	3.3706	2.5342	3.3659	3.3706
Outlet1	100YR1 2hr	746.34	742.01	0.0010	12.91	12.90	466	6.3287	4.5173	6.3167	6.3288
Outlet1	100YR2 4hr	746.34	741.94	-0.0004	12.10	12.10	466	12.2684	12.6070	12.2624	12.2684
Outlet2	002YR0 1HR	738.50	736.92	0.0002	1.49	1.44	1500	0.9156	0.5189	0.7660	0.9156
Outlet2	002YR0 2HR	738.50	736.97	0.0002	1.98	1.85	1641	1.3390	1.0071	1.2423	1.3393
Outlet2	002YR0 3HR	738.50	736.99	0.0003	2.12	1.97	1687	1.8280	1.5046	1.7336	1.8280
Outlet2	002YR0 6HR	738.50	737.08	0.0003	3.04	2.77	2571	3.2920	3.0251	3.2080	3.2922
Outlet2	002YR1 2HR	738.50	737.17	0.0003	4.16	3.70	3562	6.2496	5.7738	6.1667	6.2498
Outlet2	002YR2 4HR	738.50	737.25	0.0004	5.13	4.56	4385	12.1981	11.3955	12.1166	12.1983
Outlet2	010YR0 1Hr	738.50	737.21	0.0003	4.66	4.10	3921	0.8404	0.5037	0.7339	0.8405
Outlet2	010YR0 2Hr	738.50	737.29	0.0003	5.95	5.05	4769	1.3230	1.0237	1.2267	1.3231



Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Outlet2	010YR0 3Hr	738.50	737.31	0.0003	6.27	5.30	4969	1.8142	1.5230	1.7167	1.8143
Outlet2	010YR0 6Hr	738.50	737.42	0.0003	8.20	6.74	6096	3.2849	2.7266	3.1848	3.2850
Outlet2	010YR1 2Hr	738.50	737.49	0.0005	9.37	7.74	6809	6.2434	5.0751	6.1500	6.2434
Outlet2	010YR2 4Hr	738.50	737.51	0.0005	9.46	8.09	7036	12.1953	9.4545	12.1003	12.1954
Outlet2	1 1/4" 24hr	738.50	736.76	0.0002	0.57	0.57	1130	13.9608	12.0778	13.8792	13.9614
Outlet2	100YR0 1hr	738.50	737.59	0.0003	11.93	9.36	7853	0.8312	0.5249	0.7184	0.8312
Outlet2	100YR0 2hr	738.50	737.73	0.0003	15.16	11.39	9267	1.3219	1.0209	1.2080	1.3219
Outlet2	100YR0 3hr	738.50	737.76	0.0003	16.07	12.06	9652	1.8117	1.5173	1.7000	1.8118
Outlet2	100YR0 6hr	738.50	737.89	0.0004	19.37	14.52	10954	3.2873	2.5280	3.1671	3.2874
Outlet2	100YR1 2hr	738.50	737.91	0.0006	18.94	14.80	11078	6.2546	4.0278	6.1337	6.2547
Outlet2	100YR2 4hr	738.50	737.86	-0.0003	16.87	14.00	10563	12.2123	12.4113	12.1043	12.3643
PR403	002YR0 1HR	748.89	741.45	-0.0004	0.85	0.85	356	0.7351	2.0256	0.8794	0.8971
PR403	002YR0 2HR	748.89	741.49	-0.0004	1.10	1.09	373	1.3542	2.4184	1.3425	1.3601
PR403	002YR0 3HR	748.89	741.50	-0.0005	1.17	1.16	378	1.8468	3.3397	1.8378	1.8512
PR403	002YR0 6HR	748.89	741.58	-0.0007	1.62	1.62	400	3.3129	6.2298	3.3017	3.3165
PR403	002YR1 2HR	748.89	741.66	0.0006	2.15	2.15	418	6.2457	5.9153	6.2265	6.2459
PR403	002YR2 4HR	748.89	741.73	0.0010	2.66	2.65	431	12.1881	11.2350	12.1700	12.1867
PR403	010YR0 1Hr	748.89	741.71	0.0003	2.54	2.53	428	0.8563	0.5682	0.8385	0.8551
PR403	010YR0 2Hr	748.89	741.79	0.0004	3.16	3.15	440	1.3386	1.0542	1.3206	1.3368
PR403	010YR0 3Hr	748.89	741.82	0.0005	3.31	3.30	442	1.8290	1.5363	1.8086	1.8250
PR403	010YR0 6Hr	748.89	741.93	0.0006	4.20	4.19	448	3.3258	2.9387	3.3046	3.3227
PR403	010YR1 2Hr	748.89	742.02	0.0009	4.84	4.82	449	6.2720	5.4295	6.2486	6.2665
PR403	010YR2	748.89	742.05	0.0010	5.10	5.08	449	12.2197	9.9069	12.1967	12.2114

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	4Hr										
PR403	1 1/4" 24hr	748.89	741.27	0.0005	0.14	0.15	252	12.2603	12.1068	12.3042	12.3272
PR403	100YR0 1hr	748.89	742.19	0.0004	6.05	6.04	449	0.8983	0.5339	0.8783	0.8963
PR403	100YR0 2hr	748.89	742.37	0.0005	7.16	7.16	449	1.4120	1.0165	1.4012	1.4204
PR403	100YR0 3hr	748.89	742.42	0.0006	7.45	7.45	450	1.9068	1.4280	1.8998	1.9194
PR403	100YR0 6hr	748.89	742.61	0.0009	8.43	8.45	450	3.3938	2.4626	3.4030	3.4321
PR403	100YR1 2hr	748.89	742.62	0.0009	8.48	8.51	450	6.3501	4.3956	6.3588	6.3740
PR403	100YR2 4hr	748.89	742.53	-0.0004	8.04	8.05	450	12.2874	12.6329	12.2889	12.3086
PR405	002YR0 1HR	752.00	747.53	0.0004	0.85	0.85	113	0.8740	0.5724	0.8668	0.8794
PR405	002YR0 2HR	752.00	747.59	0.0005	1.10	1.10	113	1.3401	1.0661	1.3334	1.3425
PR405	002YR0 3HR	752.00	747.61	0.0006	1.17	1.17	113	1.8353	1.5486	1.8332	1.8378
PR405	002YR0 6HR	752.00	747.70	0.0008	1.62	1.62	114	3.3017	3.0095	3.2999	3.3017
PR405	002YR1 2HR	752.00	747.80	0.0008	2.15	2.15	127	6.2258	5.8724	6.2167	6.2265
PR405	002YR2 4HR	752.00	747.89	0.0010	2.66	2.66	138	12.1692	11.1212	12.1666	12.1700
PR405	010YR0 1Hr	752.00	747.87	0.0006	2.55	2.54	136	0.8376	0.5450	0.8334	0.8385
PR405	010YR0 2Hr	752.00	747.96	0.0009	3.16	3.16	145	1.3194	1.0290	1.3166	1.3206
PR405	010YR0 3Hr	752.00	747.98	0.0009	3.31	3.31	147	1.8074	1.5107	1.8000	1.8086
PR405	010YR0 6Hr	752.00	748.48	0.0008	4.25	4.20	234	3.3041	2.8637	3.2666	3.3046
PR405	010YR1 2Hr	752.00	748.76	0.0010	4.92	4.84	296	6.2482	5.2338	6.2000	6.2486
PR405	010YR2 4Hr	752.00	748.88	0.0010	5.19	5.10	323	12.1963	9.7581	12.1500	12.1967
PR405	1 1/4" 24hr	752.00	747.28	0.0006	0.14	0.14	113	12.3028	12.0536	12.2833	12.3042
PR405	100YR0 1hr	752.00	749.40	-0.0010	6.28	6.05	628	0.8778	1.0405	0.8167	0.8783
PR405	100YR0 2hr	752.00	750.11	-0.0010	7.90	7.16	1097	1.4006	1.6055	1.2833	1.4012

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
PR405	100YR0 3hr	752.00	750.32	-0.0010	8.39	7.45	1195	1.8996	2.1105	1.7833	1.8998
PR405	100YR0 6hr	752.00	751.08	-0.0010	10.18	8.43	1567	3.4023	3.6207	3.2333	3.4030
PR405	100YR1 2hr	752.00	751.12	-0.0010	10.37	8.48	1597	6.3581	6.5323	6.2000	6.3588
PR405	100YR2 4hr	752.00	750.76	-0.0010	9.48	8.04	1401	12.2864	12.6116	12.1500	12.2889
STR 461	002YR0 1HR	741.20	734.96	0.0003	0.26	0.26	331	1.8181	0.8263	1.7533	1.8134
STR 461	002YR0 2HR	741.20	735.05	0.0005	0.45	0.45	336	2.6373	1.2978	2.5498	2.6373
STR 461	002YR0 3HR	741.20	735.08	0.0005	0.53	0.53	337	3.4358	1.7849	3.4909	3.4967
STR 461	002YR0 6HR	741.20	735.18	0.0006	0.82	0.82	339	6.3043	3.2322	6.3308	6.3482
STR 461	002YR1 2HR	741.20	735.33	0.0006	1.01	1.01	339	6.2789	6.1705	12.1002	12.1961
STR 461	002YR2 4HR	741.20	735.46	0.0005	1.15	1.15	339	12.2442	12.0703	17.7896	17.7089
STR 461	010YR0 1Hr	741.20	736.20	0.0008	1.61	1.32	339	0.9037	0.8245	0.8398	0.8865
STR 461	010YR0 2Hr	741.20	736.88	0.0009	2.23	1.76	339	1.4039	1.3141	1.3187	1.3888
STR 461	010YR0 3Hr	741.20	736.97	0.0009	2.29	1.80	339	1.8960	1.8042	1.8083	1.8809
STR 461	010YR0 6Hr	741.20	737.58	0.0010	2.71	2.04	337	3.4184	3.2648	3.2615	3.3736
STR 461	010YR1 2Hr	741.20	737.68	0.0010	2.69	2.01	338	6.3889	6.2221	6.2086	6.3264
STR 461	010YR2 4Hr	741.20	737.65	0.0009	2.48	1.88	350	12.3156	12.1700	12.1694	12.2669
STR 461	1 1/4" 24hr	741.20	734.87	0.0000	0.12	0.12	347	24.0003	12.4703	23.9903	23.9553
STR 461	100YR0 1hr	741.20	738.14	-0.0010	3.10	2.18	336	1.1826	1.5048	0.7262	0.8519
STR 461	100YR0 2hr	741.20	738.33	-0.0010	3.20	2.26	336	1.8094	2.2139	1.1951	2.2069
STR 461	100YR0 3hr	741.20	738.37	0.0010	3.19	2.28	336	2.3137	1.6853	1.6829	2.7195
STR 461	100YR0 6hr	741.20	738.55	-0.0010	3.15	2.51	338	3.8945	4.3774	3.1500	4.3458
STR 461	100YR1 2hr	741.20	738.57	-0.0010	2.96	2.57	346	6.8132	7.2854	6.1030	7.2648
STR 461	100YR2	741.20	738.50	-0.0010	2.65	2.52	351	12.6142	13.0316	12.0352	13.0370

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	4hr										
STR 462	002YR0 1HR	739.19	734.88	-0.0006	0.59	0.26	351	0.7737	0.9188	0.6936	1.8783
STR 462	002YR0 2HR	739.19	734.98	-0.0006	0.72	0.45	352	1.2637	1.4058	1.1738	2.7160
STR 462	002YR0 3HR	739.19	735.00	-0.0006	0.73	0.53	352	1.7559	1.8973	1.6621	3.5824
STR 462	002YR0 6HR	739.19	735.16	0.0006	0.83	0.82	353	3.2706	3.1274	3.1281	6.3914
STR 462	002YR1 2HR	739.19	735.32	0.0006	1.01	1.01	353	6.2758	6.0543	12.1961	12.3192
STR 462	002YR2 4HR	739.19	735.45	-0.0006	1.15	1.16	353	12.2350	12.3528	17.7089	12.3599
STR 462	010YR0 1Hr	739.19	736.39	0.0010	2.09	1.61	353	0.8826	0.8216	0.8112	0.8398
STR 462	010YR0 2Hr	739.19	737.23	0.0010	3.04	2.23	353	1.3769	1.3062	1.2861	1.3187
STR 462	010YR0 3Hr	739.19	737.33	0.0010	3.14	2.29	353	1.8685	1.7984	1.7740	1.8083
STR 462	010YR0 6Hr	739.19	738.01	0.0010	3.89	2.71	352	3.3812	3.2588	3.2407	3.2615
STR 462	010YR1 2Hr	739.19	738.09	-0.0010	3.96	2.69	353	6.3477	6.6127	6.1958	6.2086
STR 462	010YR2 4Hr	739.19	738.01	-0.0010	3.48	2.48	353	12.2812	12.5323	12.1433	12.1694
STR 462	1 1/4" 24hr	739.19	734.46	0.0003	0.12	0.12	333	24.0003	12.0986	23.9553	23.9994
STR 462	100YR0 1hr	739.19	738.54	-0.0010	5.16	3.26	349	1.1034	1.4455	0.7011	1.4411
STR 462	100YR0 2hr	739.19	738.67	-0.0010	5.46	3.29	350	1.6731	2.1964	1.1651	2.1640
STR 462	100YR0 3hr	739.19	738.69	0.0010	5.49	3.29	350	2.1693	1.6804	1.6520	2.6771
STR 462	100YR0 6hr	739.19	738.79	-0.0010	5.49	3.55	353	3.6987	4.3356	3.1138	4.3043
STR 462	100YR1 2hr	739.19	738.79	-0.0010	5.07	3.60	353	6.6536	7.2362	6.0695	7.2237
STR 462	100YR2 4hr	739.19	738.72	-0.0010	4.38	3.47	353	12.4987	13.0110	12.0115	12.9961
STR 463	002YR0 1HR	738.80	734.88	-0.0006	1.71	1.53	314	0.7726	0.9340	0.6833	0.6903
STR 463	002YR0 2HR	738.80	734.99	0.0007	1.94	1.70	314	1.2621	0.8496	1.1667	1.1728
STR 463	002YR0 3HR	738.80	735.01	0.0008	1.94	1.70	314	1.7533	1.1895	1.6666	1.6621

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
STR 463	002YR0 6HR	738.80	735.15	0.0010	2.17	1.81	314	3.2623	2.0563	3.1334	3.1313
STR 463	002YR1 2HR	738.80	735.32	0.0007	2.19	1.85	314	6.2734	3.5505	6.1001	6.1342
STR 463	002YR2 4HR	738.80	735.45	-0.0006	1.99	2.03	314	12.2324	12.3322	12.0667	12.3488
STR 463	010YR0 1Hr	738.80	736.48	0.0009	3.20	2.57	314	0.8681	0.8216	0.6667	0.6750
STR 463	010YR0 2Hr	738.80	737.40	-0.0010	4.10	3.04	314	1.3561	1.5908	1.2657	1.2861
STR 463	010YR0 3Hr	738.80	737.52	-0.0010	4.25	3.14	314	1.8476	2.0756	1.7514	1.7740
STR 463	010YR0 6Hr	738.80	738.20	-0.0010	5.36	3.89	314	3.3458	3.6251	3.2150	3.2407
STR 463	010YR1 2Hr	738.80	738.27	-0.0010	5.47	3.96	314	6.3142	6.5996	6.1678	6.1958
STR 463	010YR2 4Hr	738.80	738.17	0.0010	4.75	3.58	314	12.2524	12.1383	12.1168	12.5158
STR 463	1 1/4" 24hr	738.80	734.45	0.0002	0.55	0.52	309	12.1205	11.9089	12.0833	12.1040
STR 463	100YR0 1hr	738.80	738.70	0.0011	8.26	5.40	314	1.0370	0.6987	0.6988	1.3986
STR 463	100YR0 2hr	738.80	738.82	0.0013	9.15	5.46	1085	1.2980	1.1623	1.1624	1.1651
STR 463	100YR0 3hr	738.80	738.84	0.0014	9.29	5.49	1956	1.8033	1.6490	1.6491	1.6520
STR 463	100YR0 6hr	738.80	738.91	0.0015	9.56	5.78	5148	3.3390	3.1105	3.1106	3.1583
STR 463	100YR1 2hr	738.80	738.90	0.0013	8.62	5.48	4415	6.2938	6.0661	6.0663	7.1692
STR 463	100YR2 4hr	738.80	738.82	-0.0010	6.91	5.26	1325	12.2090	12.9446	12.0089	12.9357
STR 464	002YR0 1HR	738.80	734.86	-0.0006	2.36	2.26	457	0.7744	0.9340	0.7428	0.7730
STR 464	002YR0 2HR	738.80	734.97	-0.0007	2.61	2.47	457	1.2635	1.4090	1.2182	1.2612
STR 464	002YR0 3HR	738.80	734.99	-0.0007	2.63	2.48	457	1.7549	1.8973	1.7106	1.7535
STR 464	002YR0 6HR	738.80	735.14	-0.0006	2.80	2.67	457	3.2356	3.3761	3.1773	3.2817
STR 464	002YR1 2HR	738.80	735.31	-0.0006	2.82	2.82	457	6.2713	6.4008	6.1333	6.3701
STR 464	002YR2 4HR	738.80	735.44	-0.0007	2.93	3.11	457	12.2306	12.3322	12.1245	12.3281
STR 464	010YR0	738.80	736.49	-0.0009	3.56	3.65	457	0.8671	1.0143	0.6900	1.0358

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	1Hr										
STR 464	010YR0 2Hr	738.80	737.41	-0.0010	3.65	4.13	457	1.3550	1.5698	1.1650	1.5839
STR 464	010YR0 3Hr	738.80	737.52	-0.0010	3.57	4.21	457	1.8456	2.0652	1.6512	2.0785
STR 464	010YR0 6Hr	738.80	738.21	-0.0010	4.01	4.67	457	3.3467	3.6350	3.2189	3.6116
STR 464	010YR1 2Hr	738.80	738.27	-0.0010	4.06	4.91	457	6.3136	6.5898	6.1719	6.5910
STR 464	010YR2 4Hr	738.80	738.17	-0.0010	4.09	5.02	457	12.2500	12.5128	12.5152	12.5129
STR 464	1 1/4" 24hr	738.80	734.40	0.0003	0.86	0.83	436	12.1375	11.9476	12.1002	12.1403
STR 464	100YR0 1hr	738.80	738.71	-0.0013	6.07	8.31	456	1.0430	1.3687	0.6985	1.3803
STR 464	100YR0 2hr	738.80	738.82	0.0014	6.72	7.99	1142	1.5626	1.1621	1.1621	2.0840
STR 464	100YR0 3hr	738.80	738.84	0.0014	6.99	8.03	1859	2.0509	1.6487	1.6487	2.5999
STR 464	100YR0 6hr	738.80	738.91	0.0015	7.40	8.19	5112	3.5645	3.1102	3.1102	4.2282
STR 464	100YR1 2hr	738.80	738.89	0.0013	6.79	8.08	4314	6.5224	6.0659	6.0659	7.1442
STR 464	100YR2 4hr	738.80	738.82	-0.0010	5.65	7.78	1180	12.2139	12.8946	12.9342	12.9069
STR 465	002YR0 1HR	738.00	734.75	-0.0008	5.62	5.48	613	0.7744	0.9348	0.7463	0.7644
STR 465	002YR0 2HR	738.00	734.88	-0.0008	6.52	6.31	613	1.2643	1.4090	1.2279	1.2499
STR 465	002YR0 3HR	738.00	734.90	-0.0008	6.67	6.45	613	1.7549	1.8973	1.7168	1.7389
STR 465	002YR0 6HR	738.00	735.08	-0.0007	7.68	7.38	613	3.2373	3.3761	3.1834	3.2079
STR 465	002YR1 2HR	738.00	735.27	-0.0007	8.19	7.81	613	6.2695	6.4006	6.1500	6.1637
STR 465	002YR2 4HR	738.00	735.40	-0.0008	8.23	7.81	613	12.2260	12.3322	12.1166	12.1207
STR 465	010YR0 1Hr	738.00	736.48	-0.0010	10.33	9.63	613	0.8646	1.0101	0.7034	0.7187
STR 465	010YR0 2Hr	738.00	737.40	-0.0010	11.17	10.29	613	1.3543	1.5635	1.1767	1.2009
STR 465	010YR0 3Hr	738.00	737.52	-0.0010	11.17	10.25	613	1.8452	2.0589	1.6649	1.6877
STR 465	010YR0 6Hr	738.00	738.20	-0.0013	11.85	10.59	9024	3.3465	3.4355	3.1471	3.1455

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
STR 465	010YR1 2Hr	738.00	738.27	-0.0018	11.31	10.72	11852	6.3143	6.4287	6.0962	6.4241
STR 465	010YR2 4Hr	738.00	738.17	-0.0011	10.20	9.15	7639	12.2517	12.3293	12.0103	12.0160
STR 465	1 1/4" 24hr	738.00	734.23	0.0006	1.92	1.92	582	12.1364	11.9737	12.1208	12.1492
STR 465	100YR0 1hr	738.00	738.71	-0.0050	22.56	18.41	30917	1.0660	1.3630	0.7338	1.3216
STR 465	100YR0 2hr	738.00	738.82	-0.0044	27.02	18.20	35724	1.5912	2.0666	1.1915	2.0073
STR 465	100YR0 3hr	738.00	738.84	-0.0045	27.34	18.27	36429	2.0713	2.5825	1.6784	2.5191
STR 465	100YR0 6hr	738.00	738.91	-0.0045	29.27	18.61	39642	3.5753	4.2109	3.1423	4.1138
STR 465	100YR1 2hr	738.00	738.89	-0.0043	26.83	18.18	38832	6.5345	7.1268	6.1017	7.0299
STR 465	100YR2 4hr	738.00	738.82	-0.0041	21.70	17.51	35624	12.4333	12.8897	12.0568	12.8137
STR 466	002YR0 1HR	738.38	734.47	-0.0008	6.21	6.07	485	0.7921	0.9356	0.7593	0.7778
STR 466	002YR0 2HR	738.38	734.62	-0.0008	7.18	7.01	485	1.2824	1.4090	1.2439	1.2615
STR 466	002YR0 3HR	738.38	734.64	-0.0008	7.34	7.16	485	1.7749	1.8973	1.7336	1.7512
STR 466	002YR0 6HR	738.38	734.87	-0.0008	8.44	8.17	485	3.2971	6.2102	3.2037	3.2151
STR 466	002YR1 2HR	738.38	735.13	-0.0008	8.96	8.60	485	6.2768	6.4022	6.1604	6.1671
STR 466	002YR2 4HR	738.38	735.25	-0.0008	8.94	8.50	485	12.2278	12.3322	12.1185	12.1191
STR 466	010YR0 1Hr	738.38	736.36	0.0010	11.21	10.68	485	0.8618	0.8151	0.7185	0.7260
STR 466	010YR0 2Hr	738.38	737.28	-0.0010	12.11	11.29	485	1.3504	1.5248	1.2006	1.1976
STR 466	010YR0 3Hr	738.38	737.39	-0.0010	12.07	11.22	485	1.8414	2.0335	1.6878	1.6735
STR 466	010YR0 6Hr	738.38	738.11	-0.0010	12.60	11.43	485	3.3101	3.4791	3.1461	3.1421
STR 466	010YR1 2Hr	738.38	738.19	0.0010	11.92	12.01	485	6.2703	6.1723	6.0941	6.4270
STR 466	010YR2 4Hr	738.38	738.04	0.0010	10.74	10.44	485	12.2211	12.1383	12.0160	12.3283
STR 466	1 1/4" 24hr	738.38	733.84	0.0006	2.17	2.13	467	12.1728	11.9737	12.1450	12.1683
STR 466	100YR0	738.38	738.66	-0.0025	18.30	18.78	12206	1.0374	1.1840	1.3414	1.3415

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	1hr										
STR 466	100YR0 2hr	738.38	738.76	-0.0030	18.52	19.39	16829	1.6095	1.8347	2.0057	1.8256
STR 466	100YR0 3hr	738.38	738.78	-0.0031	18.58	19.71	17458	2.1062	2.3454	2.5169	2.3351
STR 466	100YR0 6hr	738.38	738.84	-0.0032	18.90	20.83	20306	3.6489	3.9460	4.1115	3.9293
STR 466	100YR1 2hr	738.38	738.82	-0.0030	18.48	20.08	19331	6.5850	6.8558	7.0269	6.8398
STR 466	100YR2 4hr	738.38	738.74	-0.0027	17.86	18.58	15943	12.4456	12.6369	12.8111	12.6272
STR 467	002YR0 1HR	738.38	734.34	-0.0008	6.33	6.22	504	0.8027	0.9356	0.7734	0.7906
STR 467	002YR0 2HR	738.38	734.48	-0.0008	7.31	7.14	504	1.2980	1.4090	1.2562	1.2704
STR 467	002YR0 3HR	738.38	734.51	-0.0008	7.48	7.30	504	1.7932	1.8973	1.7447	1.7587
STR 467	002YR0 6HR	738.38	734.78	0.0008	8.57	8.22	504	3.3079	2.9190	3.2090	3.2163
STR 467	002YR1 2HR	738.38	735.06	0.0010	9.10	8.61	504	6.2787	4.9703	6.1597	6.1629
STR 467	002YR2 4HR	738.38	735.17	0.0009	9.08	8.54	504	12.2272	8.2379	12.1094	12.1084
STR 467	010YR0 1Hr	738.38	736.30	0.0010	11.36	10.45	504	0.8598	0.8151	0.7251	0.7244
STR 467	010YR0 2Hr	738.38	737.21	-0.0010	12.27	11.18	504	1.3479	1.5474	1.1849	1.1891
STR 467	010YR0 3Hr	738.38	737.32	0.0010	12.27	11.11	504	1.8388	1.7727	1.6730	1.6759
STR 467	010YR0 6Hr	738.38	738.07	0.0010	12.77	11.79	504	3.3044	3.2135	3.1401	3.4360
STR 467	010YR1 2Hr	738.38	738.15	0.0010	12.42	12.94	503	6.2636	6.1723	6.0808	6.4289
STR 467	010YR2 4Hr	738.38	737.97	0.0010	11.24	11.35	503	12.2165	6.7921	12.0160	12.3298
STR 467	1 1/4" 24hr	738.38	733.71	0.0007	2.21	2.18	483	12.1886	11.9737	12.1611	12.1869
STR 467	100YR0 1hr	738.38	738.63	-0.0016	18.78	19.27	11022	1.0018	1.1502	1.3414	1.3360
STR 467	100YR0 2hr	738.38	738.73	-0.0021	19.60	20.54	15563	1.5722	1.7843	1.8255	1.7779
STR 467	100YR0 3hr	738.38	738.75	-0.0022	19.92	21.00	16172	2.0714	2.2926	2.3349	2.2852
STR 467	100YR0 6hr	738.38	738.81	-0.0023	21.02	22.48	18912	3.6126	3.8803	3.9292	3.8674



Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
STR 467	100YR1 2hr	738.38	738.79	-0.0021	20.28	21.53	17836	6.5460	6.7912	6.8396	6.7796
STR 467	100YR2 4hr	738.38	738.70	-0.0018	18.80	19.46	14331	12.4057	12.5854	12.6272	12.5796
STR 468	002YR0 1HR	738.55	734.17	-0.0008	7.93	7.81	545	0.8140	0.9356	0.7834	0.7954
STR 468	002YR0 2HR	738.55	734.34	-0.0008	9.13	8.91	545	1.3180	1.4090	1.2645	1.2725
STR 468	002YR0 3HR	738.55	734.37	-0.0008	9.33	9.08	545	1.8134	1.8973	1.7525	1.7604
STR 468	002YR0 6HR	738.55	734.69	-0.0008	10.61	10.12	545	3.3124	3.4588	3.2152	3.2177
STR 468	002YR1 2HR	738.55	734.99	0.0009	11.17	10.49	545	6.2773	6.2375	6.1637	6.1636
STR 468	002YR2 4HR	738.55	735.11	0.0010	11.04	10.31	545	12.2255	12.1847	12.1099	12.1079
STR 468	010YR0 1Hr	738.55	736.24	-0.0010	13.90	12.71	544	0.8568	0.9854	0.7253	0.7195
STR 468	010YR0 2Hr	738.55	737.15	-0.0010	14.95	13.48	545	1.3449	1.5241	1.1905	1.1892
STR 468	010YR0 3Hr	738.55	737.26	-0.0010	14.86	13.32	545	1.8358	1.9947	1.6772	1.6760
STR 468	010YR0 6Hr	738.55	738.03	0.0010	15.25	14.46	545	3.3007	3.1498	3.1370	3.4372
STR 468	010YR1 2Hr	738.55	738.12	0.0010	14.68	15.41	545	6.2595	6.1596	6.4285	6.4300
STR 468	010YR2 4Hr	738.55	737.91	-0.0010	13.38	14.09	545	12.2132	12.3809	12.3295	12.3313
STR 468	1 1/4" 24hr	738.55	733.53	0.0007	2.75	2.73	517	12.1972	12.0469	12.1758	12.1989
STR 468	100YR0 1hr	738.55	738.61	0.0015	19.71	20.26	2862	0.9602	0.6856	1.3306	1.3239
STR 468	100YR0 2hr	738.55	738.71	0.0017	21.71	22.33	7303	1.5176	1.1628	1.7775	1.7806
STR 468	100YR0 3hr	738.55	738.73	-0.0020	22.12	22.71	7896	2.0170	2.2240	2.2848	2.2880
STR 468	100YR0 6hr	738.55	738.79	-0.0027	23.41	23.88	10534	3.5497	3.7969	3.8665	3.8702
STR 468	100YR1 2hr	738.55	738.76	-0.0024	22.59	23.06	9406	6.4828	6.7092	6.7788	6.7820
STR 468	100YR2 4hr	738.55	738.68	0.0010	20.71	21.32	5891	12.3497	11.9834	12.5791	12.5820
STR 469	002YR0 1HR	738.40	734.01	-0.0009	10.03	9.82	661	0.8320	0.9356	0.7839	0.7904
STR 469	002YR0	738.40	734.21	-0.0008	11.52	11.13	654	1.3342	1.4090	1.2645	1.2678

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	2HR										
STR 469	002YR0 3HR	738.40	734.25	-0.0008	11.75	11.33	629	1.8271	1.9381	1.7505	1.7560
STR 469	002YR0 6HR	738.40	734.60	-0.0009	13.27	12.52	629	3.3148	3.4577	3.2134	3.2162
STR 469	002YR1 2HR	738.40	734.93	0.0010	13.86	12.88	629	6.2758	6.2375	6.1627	6.1634
STR 469	002YR2 4HR	738.40	735.04	0.0010	13.57	12.60	629	12.2238	12.1593	12.1079	12.1066
STR 469	010YR0 1Hr	738.40	736.18	-0.0010	17.34	15.77	674	0.8550	0.9854	0.7196	0.7151
STR 469	010YR0 2Hr	738.40	737.08	-0.0010	18.61	16.63	629	1.3426	1.4717	1.1905	1.1875
STR 469	010YR0 3Hr	738.40	737.19	-0.0010	18.42	16.34	629	1.8334	1.9820	1.6774	1.6739
STR 469	010YR0 6Hr	738.40	737.97	0.0010	18.69	17.57	629	3.2980	3.1999	3.1350	3.4395
STR 469	010YR1 2Hr	738.40	738.07	0.0010	17.70	18.27	629	6.2563	6.1596	6.0831	6.4317
STR 469	010YR2 4Hr	738.40	737.83	0.0010	16.50	17.27	629	12.2110	12.0606	12.3303	12.3339
STR 469	1 1/4" 24hr	738.40	733.34	0.0007	3.46	3.48	597	12.1872	12.0516	12.1836	12.2014
STR 469	100YR0 1hr	738.40	738.58	0.0016	23.86	21.90	8113	0.9412	0.6833	0.6540	1.1854
STR 469	100YR0 2hr	738.40	738.69	-0.0022	23.72	24.40	12632	1.4932	1.7172	1.7800	1.7832
STR 469	100YR0 3hr	738.40	738.70	-0.0022	24.06	24.69	13229	1.9923	2.2223	2.2872	2.2907
STR 469	100YR0 6hr	738.40	738.76	-0.0023	25.01	26.05	15870	3.5199	3.7911	3.8690	3.7887
STR 469	100YR1 2hr	738.40	738.73	-0.0021	24.34	24.93	14662	6.4530	6.7050	6.7807	6.7030
STR 469	100YR2 4hr	738.40	738.65	-0.0021	22.80	23.46	10967	12.3271	12.5187	12.5815	12.5845
STR 471	002YR0 1HR	739.20	733.74	-0.0009	9.82	9.15	764	0.8641	0.9356	0.7904	0.8223
STR 471	002YR0 2HR	739.20	733.99	-0.0009	11.13	10.19	764	1.3525	1.4750	1.2678	1.3029
STR 471	002YR0 3HR	739.20	734.04	-0.0009	11.33	10.35	764	1.8437	1.9579	1.7560	1.7938
STR 471	002YR0 6HR	739.20	734.42	-0.0009	12.52	11.43	764	3.3187	3.4899	3.2162	3.3660
STR 471	002YR1 2HR	739.20	734.73	0.0010	12.88	12.54	764	6.2738	6.2375	6.1634	6.3571

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
STR 471	002YR2 4HR	739.20	734.83	0.0010	12.60	12.98	764	12.2208	12.1847	12.1066	12.3151
STR 471	010YR0 1Hr	739.20	735.95	0.0010	15.77	14.32	764	0.8494	0.7905	0.7151	0.9690
STR 471	010YR0 2Hr	739.20	736.80	0.0011	16.63	15.95	764	1.3368	1.2106	1.1875	1.4629
STR 471	010YR0 3Hr	739.20	736.90	0.0011	16.34	16.15	764	1.8277	1.6966	1.6739	1.9545
STR 471	010YR0 6Hr	739.20	737.70	0.0013	17.57	18.42	764	3.2943	3.1502	3.4395	3.4419
STR 471	010YR1 2Hr	739.20	737.80	0.0011	18.27	19.09	764	6.2515	6.0976	6.4317	6.4335
STR 471	010YR2 4Hr	739.20	737.51	0.0010	17.27	18.12	764	12.2072	12.0606	12.3339	12.3376
STR 471	1 1/4" 24hr	739.20	732.89	0.0009	3.48	3.41	720	12.2339	12.0803	12.2014	12.2267
STR 471	100YR0 1hr	739.20	738.43	0.0025	21.90	22.96	764	0.9151	0.6629	1.1854	1.1864
STR 471	100YR0 2hr	739.20	738.55	0.0025	24.40	25.12	764	1.4619	1.1311	1.7832	1.7837
STR 471	100YR0 3hr	739.20	738.57	0.0023	24.69	25.36	764	1.9609	1.6154	2.2907	2.2911
STR 471	100YR0 6hr	739.20	738.64	0.0019	26.05	27.05	764	3.4875	3.0741	3.7887	3.7899
STR 471	100YR1 2hr	739.20	738.60	0.0014	24.93	25.96	764	6.4175	6.0168	6.7030	6.7041
STR 471	100YR2 4hr	739.20	738.48	0.0010	23.46	24.17	764	12.2976	11.9268	12.5845	12.5852
STR 472	002YR0 1HR	738.42	733.64	0.0010	9.15	8.93	525	0.8681	0.6891	0.8223	0.8671
STR 472	002YR0 2HR	738.42	733.90	0.0010	10.19	10.04	525	1.3542	1.1651	1.3029	1.3769
STR 472	002YR0 3HR	738.42	733.95	0.0010	10.35	10.25	525	1.8455	1.6794	1.7938	1.8722
STR 472	002YR0 6HR	738.42	734.35	0.0010	11.43	11.86	525	3.3167	3.2725	3.3660	3.3764
STR 472	002YR1 2HR	738.42	734.67	0.0010	12.54	13.13	525	6.2715	6.2062	6.3571	6.3570
STR 472	002YR2 4HR	738.42	734.77	0.0010	12.98	13.59	525	12.2190	12.1255	12.3151	12.3209
STR 472	010YR0 1Hr	738.42	735.88	0.0010	14.32	15.06	525	0.8470	0.6579	0.9690	1.0276
STR 472	010YR0 2Hr	738.42	736.72	0.0010	15.95	16.82	525	1.3344	1.2098	1.4629	1.4654
STR 472	010YR0	738.42	736.82	0.0010	16.15	17.05	525	1.8249	1.6958	1.9545	1.9565

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	3Hr										
STR 472	010YR0 6Hr	738.42	737.62	0.0012	18.42	19.27	525	3.2929	3.1496	3.4419	3.4446
STR 472	010YR1 2Hr	738.42	737.73	0.0010	19.09	19.91	525	6.2501	6.1218	6.4335	6.4352
STR 472	010YR2 4Hr	738.42	737.41	0.0010	18.12	19.00	525	12.2054	12.0265	12.3376	12.3435
STR 472	1 1/4" 24hr	738.42	732.69	0.0010	3.41	3.36	495	12.2564	12.0986	12.2267	12.2508
STR 472	100YR0 1hr	738.42	738.38	0.0023	22.96	24.00	525	0.9123	0.6626	1.1864	1.1867
STR 472	100YR0 2hr	738.42	738.52	0.0022	25.12	26.14	4440	1.4586	1.1308	1.7837	1.7175
STR 472	100YR0 3hr	738.42	738.53	0.0020	25.36	26.68	5142	1.9591	1.6150	2.2911	2.2225
STR 472	100YR0 6hr	738.42	738.60	0.0018	27.05	28.06	8279	3.4831	3.1158	3.7899	3.7904
STR 472	100YR1 2hr	738.42	738.56	0.0014	25.96	27.00	6490	6.4148	6.0714	6.7041	6.7047
STR 472	100YR2 4hr	738.42	738.43	0.0010	24.17	24.88	872	12.2961	11.9256	12.5852	12.5839
STR 473	002YR0 1HR	738.08	733.58	0.0009	8.93	9.07	587	0.8684	0.6786	0.8671	0.9001
STR 473	002YR0 2HR	738.08	733.85	0.0010	10.04	10.34	587	1.3536	1.2053	1.3769	1.4008
STR 473	002YR0 3HR	738.08	733.90	0.0009	10.25	10.58	587	1.8440	1.6800	1.8722	1.8959
STR 473	002YR0 6HR	738.08	734.31	0.0010	11.86	12.39	587	3.3150	3.2725	3.3764	3.3862
STR 473	002YR1 2HR	738.08	734.64	0.0010	13.13	13.76	587	6.2703	6.2062	6.3570	6.3566
STR 473	002YR2 4HR	738.08	734.73	0.0010	13.59	14.24	587	12.2183	12.1255	12.3209	12.3207
STR 473	010YR0 1Hr	738.08	735.84	0.0010	15.06	15.70	587	0.8456	0.7390	1.0276	0.9708
STR 473	010YR0 2Hr	738.08	736.68	0.0010	16.82	17.70	587	1.3324	1.2027	1.4654	1.4668
STR 473	010YR0 3Hr	738.08	736.77	0.0010	17.05	17.95	587	1.8230	1.6886	1.9565	1.9576
STR 473	010YR0 6Hr	738.08	737.57	0.0011	19.27	20.15	587	3.2910	3.1510	3.4446	3.4493
STR 473	010YR1 2Hr	738.08	737.68	0.0010	19.91	20.75	587	6.2482	6.0946	6.4352	6.4373
STR 473	010YR2 4Hr	738.08	737.35	0.0010	19.00	19.93	587	12.2032	12.0265	12.3435	12.3518

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
STR 473	1 1/4" 24hr	738.08	732.60	0.0010	3.36	3.37	561	12.2600	12.1178	12.2508	12.2742
STR 473	100YR0 1hr	738.08	738.35	0.0022	24.00	25.10	12119	0.9091	0.6636	1.1867	1.1560
STR 473	100YR0 2hr	738.08	738.49	0.0021	26.14	27.63	18220	1.4514	1.1319	1.7175	1.7180
STR 473	100YR0 3hr	738.08	738.51	0.0019	26.68	28.08	18934	1.9515	1.6162	2.2225	2.2230
STR 473	100YR0 6hr	738.08	738.59	0.0018	28.06	29.07	22143	3.4744	3.1159	3.7904	3.7899
STR 473	100YR1 2hr	738.08	738.54	0.0014	27.00	28.05	20282	6.4061	6.0719	6.7047	6.7046
STR 473	100YR2 4hr	738.08	738.41	-0.0012	24.88	26.21	14394	12.2922	12.4966	12.5839	12.5196
STR 474	002YR0 1HR	737.70	733.50	-0.0010	16.60	16.28	756	0.8648	0.9356	0.8292	0.8526
STR 474	002YR0 2HR	737.70	733.78	-0.0010	18.68	18.37	756	1.3504	1.4090	1.3161	1.3444
STR 474	002YR0 3HR	737.70	733.83	0.0010	19.01	18.72	756	1.8406	1.2617	1.8073	1.8359
STR 474	002YR0 6HR	737.70	734.25	0.0010	21.03	21.13	756	3.3117	2.1937	3.2993	3.3336
STR 474	002YR1 2HR	737.70	734.57	-0.0010	22.19	22.41	756	6.2658	6.4790	6.2935	6.3008
STR 474	002YR2 4HR	737.70	734.65	-0.0010	22.52	22.77	757	12.2124	12.3319	12.2471	12.2552
STR 474	010YR0 1Hr	737.70	735.76	-0.0010	26.56	26.90	757	0.8405	0.9274	0.8592	0.8784
STR 474	010YR0 2Hr	737.70	736.59	-0.0010	29.41	29.96	757	1.3270	1.4105	1.3557	1.3772
STR 474	010YR0 3Hr	737.70	736.68	-0.0010	29.74	30.28	757	1.8182	1.9110	1.8498	1.8690
STR 474	010YR0 6Hr	737.70	737.48	0.0011	31.68	32.41	757	3.2875	3.1514	3.3331	3.3505
STR 474	010YR1 2Hr	737.70	737.59	0.0010	31.77	32.57	757	6.2445	6.0828	6.3101	6.3223
STR 474	010YR2 4Hr	737.70	737.25	-0.0010	31.33	31.99	757	12.1998	12.3095	12.2496	12.2755
STR 474	1 1/4" 24hr	737.70	732.48	0.0008	5.99	5.94	726	12.2483	12.1178	12.2275	12.2478
STR 474	100YR0 1hr	737.70	738.31	-0.0042	41.36	42.12	26768	0.8802	1.0977	0.7415	1.0737
STR 474	100YR0 2hr	737.70	738.46	-0.0050	44.41	44.59	33294	1.4209	1.6883	1.2003	1.6534
STR 474	100YR0	737.70	738.48	-0.0051	44.31	45.11	34030	1.9190	2.1902	1.6868	2.1473

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	3hr										
STR 474	100YR0 6hr	737.70	738.56	-0.0051	45.13	45.83	37350	3.4252	3.7431	3.1477	3.6681
STR 474	100YR1 2hr	737.70	738.51	-0.0049	42.65	44.87	35388	6.3699	6.6622	6.1089	6.5938
STR 474	100YR2 4hr	737.70	738.36	-0.0044	38.49	43.26	28994	12.2623	12.4954	12.0721	12.4630
STR 501	002YR0 1HR	737.20	732.95	-0.0010	21.48	21.38	762	0.8695	1.0918	0.8516	0.8684
STR 501	002YR0 2HR	737.20	733.24	-0.0010	24.48	24.47	762	1.3485	1.6115	1.3393	1.3536
STR 501	002YR0 3HR	737.20	733.29	-0.0010	25.00	25.01	762	1.8378	2.1773	1.8323	1.8459
STR 501	002YR0 6HR	737.20	733.66	0.0010	28.45	28.59	762	3.2997	3.1390	3.3134	3.3211
STR 501	002YR1 2HR	737.20	733.90	0.0010	30.37	30.52	762	6.2537	6.0985	6.2720	6.2820
STR 501	002YR2 4HR	737.20	733.96	0.0010	30.89	31.02	762	12.1988	7.1085	12.2173	12.2264
STR 501	010YR0 1Hr	737.20	734.81	0.0010	37.57	37.85	762	0.8217	0.7292	0.8497	0.8542
STR 501	010YR0 2Hr	737.20	735.44	-0.0010	41.94	42.41	762	1.3043	2.2768	1.3436	1.3502
STR 501	010YR0 3Hr	737.20	735.50	-0.0010	42.39	42.85	762	1.7945	3.3019	1.8334	1.8425
STR 501	010YR0 6Hr	737.20	736.13	0.0010	46.09	46.69	762	3.2681	3.0949	3.3068	3.3154
STR 501	010YR1 2Hr	737.20	736.24	0.0010	46.37	46.93	762	6.2277	6.0416	6.2658	6.2758
STR 501	010YR2 4Hr	737.20	735.92	0.0010	44.94	45.40	762	12.1804	11.9459	12.2172	12.2263
STR 501	1 1/4" 24hr	737.20	731.70	0.0008	7.74	7.68	738	12.2700	12.0894	12.2475	12.2667
STR 501	100YR0 1hr	737.20	737.45	-0.0022	51.26	52.84	11288	0.7977	0.8727	1.0028	0.8670
STR 501	100YR0 2hr	737.20	737.68	-0.0040	52.25	58.37	21035	1.3046	1.4386	1.5285	1.4255
STR 501	100YR0 3hr	737.20	737.70	-0.0042	52.64	58.91	22109	1.7982	1.9403	2.0913	1.9277
STR 501	100YR0 6hr	737.20	737.83	-0.0047	53.71	61.36	27510	3.2864	3.4679	3.5531	3.4558
STR 501	100YR1 2hr	737.20	737.73	-0.0046	53.46	60.87	23357	6.2434	6.3954	6.4789	6.3861
STR 501	100YR2 4hr	737.20	737.47	-0.0024	52.59	54.06	11834	12.1714	12.2580	12.3535	12.2540

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
STR 503	002YR0 1HR	738.09	733.14	-0.0010	17.47	17.45	549	0.8714	0.9477	0.8584	0.8740
STR 503	002YR0 2HR	738.09	733.43	-0.0010	19.77	19.83	549	1.3513	1.6115	1.3539	1.3637
STR 503	002YR0 3HR	738.09	733.49	-0.0010	20.16	20.23	549	1.8415	1.9579	1.8440	1.8573
STR 503	002YR0 6HR	738.09	733.91	0.0010	22.85	23.09	549	3.3053	3.2011	3.3331	3.3497
STR 503	002YR1 2HR	738.09	734.19	0.0010	24.23	24.45	549	6.2603	6.1533	6.2955	6.2979
STR 503	002YR2 4HR	738.09	734.26	0.0010	24.61	24.88	549	12.2055	12.0390	12.2516	12.2571
STR 503	010YR0 1Hr	738.09	735.22	0.0010	29.42	29.84	549	0.8321	0.7195	0.8743	0.8824
STR 503	010YR0 2Hr	738.09	735.93	0.0010	32.79	33.43	549	1.3166	1.1394	1.3742	1.3795
STR 503	010YR0 3Hr	738.09	736.01	0.0010	33.13	33.78	549	1.8070	1.6419	1.8623	1.8731
STR 503	010YR0 6Hr	738.09	736.72	-0.0010	35.57	36.33	549	3.2792	3.9036	3.3410	3.3472
STR 503	010YR1 2Hr	738.09	736.83	0.0010	35.70	36.49	549	6.2371	6.0531	6.3101	6.3152
STR 503	010YR2 4Hr	738.09	736.49	0.0010	34.95	35.61	549	12.1913	11.9862	12.2543	12.2717
STR 503	1 1/4" 24hr	738.09	731.94	0.0007	6.40	6.37	532	12.2667	12.1375	12.2497	12.2661
STR 503	100YR0 1hr	738.09	737.83	0.0019	44.09	44.51	549	0.8135	0.6654	1.0739	1.0773
STR 503	100YR0 2hr	738.09	738.02	0.0019	46.25	46.58	548	1.3246	1.1340	1.6508	1.6529
STR 503	100YR0 3hr	738.09	738.04	0.0018	46.69	47.01	548	1.8196	1.6191	2.1429	2.1442
STR 503	100YR0 6hr	738.09	738.14	0.0017	47.32	47.56	2309	3.3186	3.1139	3.6535	3.6534
STR 503	100YR1 2hr	738.09	738.07	0.0013	46.48	46.72	549	6.2668	6.0730	6.5817	6.5816
STR 503	100YR2 4hr	738.09	737.86	0.0010	45.03	45.36	549	12.1887	11.8317	12.4575	12.4599
STR 504	002YR0 1HR	738.09	733.28	-0.0010	16.92	16.80	532	0.8695	0.9356	0.8489	0.8641
STR 504	002YR0 2HR	738.09	733.57	-0.0010	19.08	19.03	532	1.3525	1.4505	1.3375	1.3539
STR 504	002YR0 3HR	738.09	733.63	0.0010	19.44	19.41	532	1.8423	1.7906	1.8298	1.8485
STR 504	002YR0	738.09	734.04	0.0010	21.86	22.08	532	3.3091	3.2322	3.3257	3.3477

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	6HR										
STR 504	002YR1 2HR	738.09	734.33	-0.0010	23.16	23.39	532	6.2627	6.5301	6.2955	6.3008
STR 504	002YR2 4HR	738.09	734.41	0.0010	23.52	23.78	532	12.2089	12.1260	12.2516	12.2575
STR 504	010YR0 1Hr	738.09	735.42	0.0010	27.91	28.31	532	0.8358	0.6782	0.8708	0.8812
STR 504	010YR0 2Hr	738.09	736.18	0.0010	31.01	31.63	532	1.3213	1.1938	1.3689	1.3795
STR 504	010YR0 3Hr	738.09	736.26	0.0010	31.35	31.96	532	1.8119	1.6804	1.8571	1.8730
STR 504	010YR0 6Hr	738.09	737.01	-0.0010	33.55	34.30	532	3.2833	3.7643	3.3410	3.3497
STR 504	010YR1 2Hr	738.09	737.12	0.0010	33.66	34.46	532	6.2401	6.0792	6.3113	6.3196
STR 504	010YR2 4Hr	738.09	736.78	-0.0010	33.07	33.74	532	12.1949	12.7413	12.2543	12.2744
STR 504	1 1/4" 24hr	738.09	732.20	0.0008	6.17	6.16	517	12.2547	12.1178	12.2430	12.2564
STR 504	100YR0 1hr	738.09	738.00	0.0019	42.86	43.26	532	0.8296	0.6648	1.0721	1.0755
STR 504	100YR0 2hr	738.09	738.18	0.0020	45.21	45.55	4064	1.3546	1.1335	1.6508	1.6544
STR 504	100YR0 3hr	738.09	738.20	0.0018	45.71	46.02	4897	1.8511	1.6189	2.1442	2.1475
STR 504	100YR0 6hr	738.09	738.29	-0.0023	46.41	46.65	8801	3.3576	3.4737	3.6610	3.6637
STR 504	100YR1 2hr	738.09	738.23	0.0014	45.51	45.75	6242	6.2997	6.0731	6.5877	6.5899
STR 504	100YR2 4hr	738.09	738.05	-0.0011	43.93	44.26	532	12.2057	12.4972	12.4599	12.4633
STR 512	002YR0 1HR	734.32	725.68	0.0005	1.10	1.10	463	3.0004	0.8824	2.9916	2.9945
STR 512	002YR0 2HR	734.32	726.18	0.0008	3.96	3.96	510	2.5240	2.0487	2.5026	2.5240
STR 512	002YR0 3HR	734.32	726.37	0.0010	5.38	5.38	519	3.3648	3.0357	3.3445	3.3853
STR 512	002YR0 6HR	734.32	726.72	0.0007	8.40	8.40	524	5.1861	3.6530	5.1487	5.1980
STR 512	002YR1 2HR	734.32	727.05	0.0009	11.65	11.65	524	7.2952	6.4602	7.2794	7.2952
STR 512	002YR2 4HR	734.32	727.50	0.0010	16.31	16.31	524	12.9487	12.2257	12.9405	12.9487
STR 512	010YR0 1Hr	734.32	727.16	0.0008	12.79	12.79	524	1.4831	1.0647	1.4689	1.4902



Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
STR 512	010YR0 2Hr	734.32	727.83	-0.0010	19.66	19.66	524	2.1668	2.5021	2.1491	2.1747
STR 512	010YR0 3Hr	734.32	727.89	-0.0010	20.25	20.32	524	2.6792	3.5038	2.6469	2.6543
STR 512	010YR0 6Hr	734.32	728.33	-0.0010	25.49	25.48	524	4.0151	5.3925	3.9992	4.0226
STR 512	010YR1 2Hr	734.32	728.74	0.0010	30.34	30.34	524	6.9157	6.2328	6.9032	6.9235
STR 512	010YR2 4Hr	734.32	729.19	-0.0010	35.58	35.58	524	12.7512	15.2074	12.7379	12.7512
STR 512	1 1/4" 24hr	734.32	725.62	0.0002	0.83	0.83	452	24.0003	12.2811	23.9878	23.9672
STR 512	100YR0 1hr	734.32	729.15	-0.0010	35.27	35.27	524	1.4321	2.7870	1.4216	1.4290
STR 512	100YR0 2hr	734.32	729.87	0.0010	42.85	42.85	524	2.1789	1.2789	2.1650	2.1710
STR 512	100YR0 3hr	734.32	729.99	0.0010	43.98	43.98	524	2.7049	1.9929	2.6916	2.7141
STR 512	100YR0 6hr	734.32	730.45	0.0010	48.23	48.23	524	4.1432	3.2609	4.1115	4.1577
STR 512	100YR1 2hr	734.32	730.57	0.0010	49.28	49.28	524	7.0475	6.1564	7.0380	7.0636
STR 512	100YR2 4hr	734.32	730.60	0.0010	49.54	49.54	524	12.8923	12.0887	12.8826	12.9232
STR 515	002YR0 1HR	736.00	730.38	-0.0010	8.48	8.46	425	0.8419	1.8713	0.8317	0.8419
STR 515	002YR0 2HR	736.00	730.51	-0.0010	10.11	10.09	427	1.3206	2.7607	1.3113	1.3209
STR 515	002YR0 3HR	736.00	730.54	0.0010	10.45	10.43	427	1.8100	7.0394	1.8012	1.8105
STR 515	002YR0 6HR	736.00	730.70	-0.0010	12.63	12.61	427	3.2754	5.2149	3.2666	3.2756
STR 515	002YR1 2HR	736.00	730.80	-0.0010	14.04	14.02	427	6.2309	9.6711	6.2236	6.2311
STR 515	002YR2 4HR	736.00	730.86	-0.0010	14.61	14.59	427	12.9436	45.6747	12.1726	12.1803
STR 515	010YR0 1Hr	736.00	731.02	0.0010	17.52	17.49	427	0.8035	0.6665	0.7962	0.8035
STR 515	010YR0 2Hr	736.00	731.19	0.0009	20.16	20.14	427	1.2878	1.1394	1.2807	1.2879
STR 515	010YR0 3Hr	736.00	731.21	-0.0010	20.52	20.50	427	1.7781	3.0199	1.7712	1.7781
STR 515	010YR0 6Hr	736.00	731.38	-0.0010	23.43	23.40	427	3.2471	5.1486	3.2408	3.2472
STR 515	010YR1	736.00	731.50	0.0010	24.16	24.13	427	6.8984	9.9555	6.2003	6.2065

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	2Hr										
STR 515	010YR2 4Hr	736.00	731.68	0.0010	23.18	23.22	427	12.7376	36.9578	12.1522	12.1551
STR 515	1 1/4" 24hr	736.00	729.79	0.0006	2.73	2.72	403	12.2700	12.0778	12.2536	12.2700
STR 515	100YR0 1hr	736.00	731.97	0.0009	34.33	34.30	427	0.7676	0.6206	0.7607	0.7676
STR 515	100YR0 2hr	736.00	732.21	0.0006	39.38	39.37	427	1.2558	0.9685	1.2526	1.2559
STR 515	100YR0 3hr	736.00	732.24	0.0007	40.16	40.15	427	2.6891	1.2579	1.7441	1.7488
STR 515	100YR0 6hr	736.00	732.66	-0.0010	43.93	43.92	427	4.3189	18.6901	3.2236	3.2276
STR 515	100YR1 2hr	736.00	732.88	-0.0010	42.25	42.36	427	7.1870	33.5461	6.1892	6.1900
STR 515	100YR2 4hr	736.00	732.93	0.0004	36.02	35.79	427	12.8901	12.0546	12.1257	12.1255
STR 516	002YR0 1HR	737.09	730.59	0.0010	8.54	8.48	557	0.8354	2.1133	0.8160	0.8317
STR 516	002YR0 2HR	737.09	730.73	0.0008	10.19	10.11	559	1.3153	1.1559	1.2961	1.3113
STR 516	002YR0 3HR	737.09	730.76	0.0009	10.53	10.45	560	1.8045	3.0420	1.7861	1.8012
STR 516	002YR0 6HR	737.09	730.93	0.0007	12.70	12.63	560	3.2704	3.1072	3.2533	3.2666
STR 516	002YR1 2HR	737.09	731.04	0.0010	14.10	14.04	560	6.2263	20.8027	6.2100	6.2236
STR 516	002YR2 4HR	737.09	731.08	-0.0010	14.66	14.61	560	12.1756	42.6449	12.1599	12.1726
STR 516	010YR0 1Hr	737.09	731.29	0.0008	17.60	17.52	560	0.7995	0.6583	0.7850	0.7962
STR 516	010YR0 2Hr	737.09	731.47	0.0008	20.25	20.16	560	1.2840	1.1346	1.2704	1.2807
STR 516	010YR0 3Hr	737.09	731.50	0.0007	20.60	20.52	560	1.7745	1.6083	1.7610	1.7712
STR 516	010YR0 6Hr	737.09	731.68	-0.0007	23.52	23.43	560	3.2438	4.8536	3.2312	3.2408
STR 516	010YR1 2Hr	737.09	731.73	0.0009	24.24	24.16	560	6.2033	23.3598	6.1904	6.2003
STR 516	010YR2 4Hr	737.09	731.70	-0.0010	23.18	23.18	560	12.7299	35.7821	12.1453	12.1522
STR 516	1 1/4" 24hr	737.09	729.97	0.0006	2.75	2.73	514	12.2553	12.0986	12.2317	12.2536
STR 516	100YR0 1hr	737.09	732.37	0.0008	34.39	34.33	559	0.7650	0.6206	0.7538	0.7607

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
STR 516	100YR0 2hr	737.09	732.69	0.0007	39.38	39.38	560	1.2538	1.1542	1.2518	1.2526
STR 516	100YR0 3hr	737.09	732.74	0.0007	40.20	40.16	560	1.7471	1.6405	1.7392	1.7441
STR 516	100YR0 6hr	737.09	733.01	-0.0009	43.99	43.93	560	3.2259	35.3615	3.2177	3.2236
STR 516	100YR1 2hr	737.09	732.92	-0.0010	42.16	42.25	560	7.2180	31.6612	6.1865	6.1892
STR 516	100YR2 4hr	737.09	732.97	0.0005	36.23	36.02	560	13.0526	11.7332	12.1228	12.1257
STR 517	002YR0 1HR	737.86	730.87	-0.0006	8.70	8.54	874	0.8228	0.9356	0.7864	0.8160
STR 517	002YR0 2HR	737.86	731.02	-0.0007	10.43	10.19	881	1.3035	1.4090	1.2725	1.2961
STR 517	002YR0 3HR	737.86	731.05	0.0007	10.76	10.53	882	1.7936	1.5833	1.7626	1.7861
STR 517	002YR0 6HR	737.86	731.23	0.0007	12.93	12.70	883	3.2607	3.0979	3.2301	3.2533
STR 517	002YR1 2HR	737.86	731.35	0.0008	14.31	14.10	883	6.2177	5.3894	6.1878	6.2100
STR 517	002YR2 4HR	737.86	731.39	0.0009	14.82	14.66	883	12.1670	9.8986	12.1384	12.1599
STR 517	010YR0 1Hr	737.86	731.62	0.0007	17.88	17.60	883	0.7921	0.5910	0.7662	0.7850
STR 517	010YR0 2Hr	737.86	731.82	0.0007	20.55	20.25	883	1.2772	1.0542	1.2510	1.2704
STR 517	010YR0 3Hr	737.86	731.85	0.0007	20.88	20.60	883	1.7680	1.4646	1.7430	1.7610
STR 517	010YR0 6Hr	737.86	732.07	0.0006	23.85	23.52	883	3.2380	2.5201	3.2158	3.2312
STR 517	010YR1 2Hr	737.86	732.12	0.0008	24.54	24.24	883	6.1976	4.6370	6.1728	6.1904
STR 517	010YR2 4Hr	737.86	732.03	0.0010	23.31	23.18	883	12.1468	8.0841	12.1310	12.1453
STR 517	1 1/4" 24hr	737.86	730.23	0.0006	2.79	2.75	799	12.2283	12.0908	12.1992	12.2317
STR 517	100YR0 1hr	737.86	732.93	0.0007	34.52	34.39	883	0.7622	0.6158	0.7494	0.7538
STR 517	100YR0 2hr	737.86	733.44	0.0008	39.51	39.38	883	1.2522	1.1467	1.2365	1.2518
STR 517	100YR0 3hr	737.86	733.52	0.0008	40.30	40.20	883	1.7442	1.6329	1.7342	1.7392
STR 517	100YR0 6hr	737.86	733.94	0.0008	44.14	43.99	883	3.2228	3.0936	3.2078	3.2177
STR 517	100YR1	737.86	733.70	0.0008	42.11	42.16	883	6.1794	3.6034	6.1789	6.1865

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	2hr										
STR 517	100YR2 4hr	737.86	733.21	0.0006	36.47	36.23	883	12.1669	11.6770	12.1176	12.1228
STR 521	002YR0 1HR	736.10	731.40	-0.0006	7.84	7.68	1215	0.7982	0.9356	0.7672	0.8054
STR 521	002YR0 2HR	736.10	731.52	0.0006	9.28	9.19	1213	1.2790	1.1084	1.2603	1.2837
STR 521	002YR0 3HR	736.10	731.55	0.0007	9.59	9.50	1201	1.7699	1.5913	1.7500	1.7733
STR 521	002YR0 6HR	736.10	731.72	0.0009	11.61	11.45	1168	3.2430	3.0330	3.2167	3.2410
STR 521	002YR1 2HR	736.10	731.83	0.0007	12.90	12.73	1176	6.2025	5.8900	6.1749	6.1990
STR 521	002YR2 4HR	736.10	731.88	0.0008	13.43	13.29	1179	12.1526	9.7366	12.1222	12.1493
STR 521	010YR0 1Hr	736.10	732.09	0.0007	16.01	15.72	1238	0.7830	0.5942	0.7500	0.7764
STR 521	010YR0 2Hr	736.10	732.31	0.0008	18.42	18.10	1203	1.2687	1.0602	1.2395	1.2621
STR 521	010YR0 3Hr	736.10	732.34	0.0008	18.75	18.44	1170	1.7591	1.5299	1.7331	1.7532
STR 521	010YR0 6Hr	736.10	732.60	0.0008	21.32	21.13	1173	3.2287	2.8800	3.2054	3.2212
STR 521	010YR1 2Hr	736.10	732.67	0.0007	21.98	21.83	1176	6.1880	4.6370	6.1667	6.1812
STR 521	010YR2 4Hr	736.10	732.58	0.0009	21.03	20.91	1181	12.1401	8.1505	12.1168	12.1359
STR 521	1 1/4" 24hr	736.10	730.76	0.0007	2.55	2.45	1171	12.2147	12.0469	12.1667	12.2155
STR 521	100YR0 1hr	736.10	733.59	0.0008	30.59	30.42	1236	0.7612	0.5570	0.7481	0.7576
STR 521	100YR0 2hr	736.10	734.34	-0.0010	35.18	34.96	1154	1.2521	1.3386	1.2338	1.2519
STR 521	100YR0 3hr	736.10	734.46	-0.0010	35.91	35.75	1158	1.7434	1.8394	1.7297	1.7421
STR 521	100YR0 6hr	736.10	735.08	-0.0010	39.51	39.27	1173	3.2214	3.2833	3.2000	3.2187
STR 521	100YR1 2hr	736.10	734.75	-0.0009	37.79	37.73	1177	6.1827	6.2591	6.1667	6.1872
STR 521	100YR2 4hr	736.10	733.98	0.0008	32.97	32.69	1187	12.1481	12.0814	12.1166	12.1242
STR 522	002YR0 1HR	735.85	731.50	0.0006	3.43	3.55	909	0.8158	0.6779	0.8164	0.8520
STR 522	002YR0 2HR	735.85	731.63	0.0006	4.11	4.27	909	1.2980	1.1559	1.3000	1.3362

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
STR 522	002YR0 3HR	735.85	731.66	0.0006	4.28	4.45	909	1.7886	1.6344	1.7991	1.8268
STR 522	002YR0 6HR	735.85	731.84	0.0007	5.21	5.42	909	3.2566	3.0876	3.2638	3.3027
STR 522	002YR1 2HR	735.85	731.96	0.0009	5.88	6.05	909	6.2141	5.3067	6.2165	6.2594
STR 522	002YR2 4HR	735.85	732.02	0.0010	6.41	6.57	909	12.1642	9.4175	12.1662	12.2173
STR 522	010YR0 1Hr	735.85	732.21	0.0006	6.80	7.11	909	0.7934	0.6236	0.8083	0.8347
STR 522	010YR0 2Hr	735.85	732.43	0.0007	7.83	8.12	909	1.2774	1.1052	1.2333	1.3193
STR 522	010YR0 3Hr	735.85	732.47	0.0008	8.08	8.30	909	1.7642	1.5831	1.7333	1.8119
STR 522	010YR0 6Hr	735.85	732.75	0.0009	9.74	9.51	909	3.2351	2.6930	3.2000	3.2173
STR 522	010YR1 2Hr	735.85	732.83	0.0009	10.34	10.14	909	6.1940	4.4550	6.1667	6.1837
STR 522	010YR2 4Hr	735.85	732.75	0.0010	9.92	9.85	909	12.1458	7.5178	12.1167	12.2020
STR 522	1 1/4" 24hr	735.85	730.89	0.0007	1.21	1.13	808	12.2408	12.0469	12.1747	12.2519
STR 522	100YR0 1hr	735.85	733.87	0.0007	14.31	13.94	909	0.7702	0.5926	0.7333	0.7681
STR 522	100YR0 2hr	735.85	734.73	-0.0010	17.42	16.90	909	1.2626	1.3676	1.2333	1.2507
STR 522	100YR0 3hr	735.85	734.88	-0.0010	18.08	17.55	909	1.7541	1.8458	1.7167	1.7375
STR 522	100YR0 6hr	735.85	735.59	-0.0010	20.70	20.08	909	3.2322	3.3089	3.2000	3.2179
STR 522	100YR1 2hr	735.85	735.26	0.0010	19.80	19.27	909	6.1937	6.1041	6.1500	6.1834
STR 522	100YR2 4hr	735.85	734.41	-0.0009	16.85	16.48	909	12.1532	12.2163	12.1167	12.1333
STR 523	002YR0 1HR	738.17	731.54	-0.0004	1.43	1.23	731	0.8275	0.9356	0.7075	0.9078
STR 523	002YR0 2HR	738.17	731.66	-0.0005	1.62	1.62	742	1.3095	1.4090	3.3775	3.4080
STR 523	002YR0 3HR	738.17	731.69	0.0007	1.82	1.82	749	1.8005	2.9555	4.0946	4.1326
STR 523	002YR0 6HR	738.17	731.85	0.0007	2.62	2.62	763	3.2629	4.1844	6.0030	6.0479
STR 523	002YR1 2HR	738.17	731.96	0.0010	2.98	2.98	736	6.2190	5.1390	8.9723	8.9584
STR 523	002YR2	738.17	732.03	0.0009	3.32	3.32	765	12.1708	8.9438	15.1264	15.1474

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	4HR										
STR 523	010YR0 1Hr	738.17	732.21	0.0005	2.75	2.75	741	0.7945	1.8075	2.6384	2.6487
STR 523	010YR0 2Hr	738.17	732.43	0.0007	3.35	3.35	756	1.2781	1.0602	3.3539	3.3820
STR 523	010YR0 3Hr	738.17	732.47	0.0007	3.55	3.55	762	1.7683	1.5416	4.1043	4.1425
STR 523	010YR0 6Hr	738.17	732.75	0.0005	4.22	4.22	738	3.2361	2.5201	5.9632	6.0089
STR 523	010YR1 2Hr	738.17	732.83	0.0010	4.51	4.51	726	6.1948	4.2736	8.9851	9.0038
STR 523	010YR2 4Hr	738.17	732.75	0.0009	4.75	4.75	765	12.1479	7.3318	15.2635	15.2404
STR 523	1 1/4" 24hr	738.17	731.11	0.0004	0.60	0.54	759	12.1961	12.0778	12.0836	12.1964
STR 523	100YR0 1hr	738.17	733.86	-0.0007	4.35	4.35	743	0.7738	0.8699	2.7714	2.8167
STR 523	100YR0 2hr	738.17	734.70	-0.0010	6.09	6.09	754	1.2680	1.3888	3.3773	3.3974
STR 523	100YR0 3hr	738.17	734.85	-0.0010	9.42	9.42	746	1.7600	1.8717	3.8964	3.9054
STR 523	100YR0 6hr	738.17	735.55	0.0010	10.93	10.94	765	3.2381	3.1593	6.0197	6.0367
STR 523	100YR1 2hr	738.17	735.23	-0.0010	11.21	11.22	765	6.1994	6.3673	9.3608	9.2199
STR 523	100YR2 4hr	738.17	734.40	-0.0009	11.19	11.20	765	12.1565	12.2163	15.0870	15.0626
STR 524	002YR0 1HR	737.69	731.56	0.0010	1.48	1.43	349	0.8303	0.5339	0.7184	0.7075
STR 524	002YR0 2HR	737.69	731.67	0.0008	1.68	1.62	351	1.3126	1.0056	1.1908	3.3775
STR 524	002YR0 3HR	737.69	731.70	0.0009	1.82	1.82	350	1.8037	1.5175	4.0872	4.0946
STR 524	002YR0 6HR	737.69	731.86	0.0007	2.62	2.62	336	3.2655	2.9607	5.9891	6.0030
STR 524	002YR1 2HR	737.69	731.97	0.0009	2.98	2.98	336	6.2211	5.1390	8.9064	8.9723
STR 524	002YR2 4HR	737.69	732.03	0.0010	3.32	3.32	336	12.1716	8.7889	15.1184	15.1264
STR 524	010YR0 1Hr	737.69	732.22	0.0010	2.75	2.75	354	0.7957	0.5137	2.6251	2.6384
STR 524	010YR0 2Hr	737.69	732.44	0.0010	3.35	3.35	351	1.2800	1.0097	3.3425	3.3539
STR 524	010YR0 3Hr	737.69	732.47	0.0008	3.55	3.55	338	1.7697	1.4899	4.0889	4.1043

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
STR 524	010YR0 6Hr	737.69	732.75	0.0006	4.22	4.22	336	3.2357	2.9717	5.9705	5.9632
STR 524	010YR1 2Hr	737.69	732.83	0.0009	4.51	4.51	336	6.1950	4.1978	8.9814	8.9851
STR 524	010YR2 4Hr	737.69	732.75	0.0008	4.75	4.75	336	12.1492	7.0796	15.2740	15.2635
STR 524	1 1/4" 24hr	737.69	731.23	0.0004	0.61	0.60	337	12.0833	11.9187	12.0494	12.0836
STR 524	100YR0 1hr	737.69	733.86	0.0010	4.44	4.35	355	0.7745	0.5076	0.6036	2.7714
STR 524	100YR0 2hr	737.69	734.70	-0.0010	6.09	6.09	339	1.2688	1.3888	3.3644	3.3773
STR 524	100YR0 3hr	737.69	734.85	-0.0010	9.42	9.42	336	1.7609	1.8717	3.8758	3.8964
STR 524	100YR0 6hr	737.69	735.53	-0.0010	10.91	10.93	336	3.2394	3.3775	6.0169	6.0197
STR 524	100YR1 2hr	737.69	735.23	-0.0010	11.20	11.21	336	6.2009	6.3673	9.3729	9.3608
STR 524	100YR2 4hr	737.69	734.40	-0.0008	11.18	11.19	336	12.1563	12.2163	15.1117	15.0870
STR 525	002YR0 1HR	737.69	731.59	0.0005	1.33	1.27	417	0.8269	0.5613	0.7062	0.7241
STR 525	002YR0 2HR	737.69	731.70	0.0006	1.62	1.62	425	1.3153	0.8496	3.2946	3.3339
STR 525	002YR0 3HR	737.69	731.72	0.0007	1.82	1.82	427	1.8056	1.1895	4.0408	4.0872
STR 525	002YR0 6HR	737.69	731.87	0.0008	2.60	2.60	433	3.2659	2.0563	6.0343	6.0563
STR 525	002YR1 2HR	737.69	731.97	0.0008	2.96	2.96	434	6.2208	4.9801	8.9481	8.9630
STR 525	002YR2 4HR	737.69	732.04	0.0009	3.30	3.30	434	12.1739	8.7811	15.0551	15.1104
STR 525	010YR0 1Hr	737.69	732.22	0.0007	2.75	2.75	434	0.7958	0.5450	2.5658	2.6251
STR 525	010YR0 2Hr	737.69	732.43	0.0008	3.35	3.35	434	1.2795	1.0237	3.3140	3.3425
STR 525	010YR0 3Hr	737.69	732.47	0.0007	3.55	3.55	434	1.7705	0.9610	4.0374	4.0889
STR 525	010YR0 6Hr	737.69	732.75	0.0007	4.18	4.18	434	3.2355	1.5854	6.0208	6.0585
STR 525	010YR1 2Hr	737.69	732.82	0.0007	4.47	4.47	434	6.1957	4.1386	9.4537	9.7341
STR 525	010YR2 4Hr	737.69	732.75	0.0008	4.72	4.72	434	12.1496	6.9008	15.2166	15.2740
STR 525	1 1/4"	737.69	731.34	0.0003	0.53	0.51	399	12.1222	11.9056	12.0833	12.1222

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	24hr										
STR 525	100YR0 1hr	737.69	733.85	0.0008	6.14	4.89	435	0.7749	0.5298	0.6733	0.7240
STR 525	100YR0 2hr	737.69	734.68	-0.0010	7.15	6.09	434	1.2700	1.3888	1.1920	3.3644
STR 525	100YR0 3hr	737.69	734.83	-0.0010	9.42	9.42	434	1.7622	1.8717	3.8805	3.8758
STR 525	100YR0 6hr	737.69	735.50	-0.0010	10.87	10.89	434	3.2402	3.3775	6.3213	6.2746
STR 525	100YR1 2hr	737.69	735.21	-0.0010	11.13	11.14	434	6.2015	6.3673	9.4059	9.3760
STR 525	100YR2 4hr	737.69	734.39	-0.0008	11.11	11.12	434	12.1569	12.2163	15.1248	15.1103
STR 526	002YR0 1HR	737.00	731.83	0.0003	1.07	1.07	424	2.6342	2.0488	2.5931	2.6326
STR 526	002YR0 2HR	737.00	731.97	0.0003	1.62	1.62	422	3.2803	2.0781	3.2928	3.2946
STR 526	002YR0 3HR	737.00	732.02	0.0007	1.82	1.82	430	4.0408	3.0357	4.0038	4.0408
STR 526	002YR0 6HR	737.00	732.16	0.0007	2.55	2.55	451	6.1884	2.6696	6.1368	6.1773
STR 526	002YR1 2HR	737.00	732.23	0.0008	2.90	2.90	456	9.1273	7.1793	9.2438	9.1748
STR 526	002YR2 4HR	737.00	732.30	0.0010	3.25	3.25	473	15.0094	8.4753	14.9131	14.9557
STR 526	010YR0 1Hr	737.00	732.20	0.0004	2.75	2.75	421	0.7985	1.7391	2.5259	2.5658
STR 526	010YR0 2Hr	737.00	732.41	0.0004	3.35	3.35	437	1.2833	2.0539	3.2673	3.3140
STR 526	010YR0 3Hr	737.00	732.44	0.0004	3.55	3.55	446	1.7735	1.2504	4.0010	4.0374
STR 526	010YR0 6Hr	737.00	732.70	0.0007	4.11	4.11	455	3.2391	2.2106	6.3373	6.3132
STR 526	010YR1 2Hr	737.00	732.77	0.0007	4.41	4.41	458	6.1985	4.1666	9.5768	9.5467
STR 526	010YR2 4Hr	737.00	732.72	0.0010	4.65	4.65	473	12.1532	6.7559	15.2717	15.2988
STR 526	1 1/4" 24hr	737.00	731.60	0.0003	0.43	0.43	449	17.0153	11.6773	16.8153	16.8530
STR 526	100YR0 1hr	737.00	733.71	-0.0007	4.89	4.39	432	0.7798	0.9098	0.7240	0.7716
STR 526	100YR0 2hr	737.00	734.48	-0.0009	6.10	6.10	442	1.2760	1.3888	3.3232	3.3437
STR 526	100YR0 3hr	737.00	734.62	-0.0010	9.42	9.42	448	1.7685	4.5081	3.8301	3.8805



Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
STR 526	100YR0 6hr	737.00	735.21	-0.0010	10.84	10.86	455	3.2454	8.3890	6.3997	6.3889
STR 526	100YR1 2hr	737.00	734.99	-0.0010	11.01	11.02	473	6.2073	13.4170	9.4010	9.3933
STR 526	100YR2 4hr	737.00	734.78	0.0008	11.00	11.01	464	13.9934	12.0807	15.1140	15.1126
STR 539	002YR0 1HR	738.09	732.02	-0.0010	37.55	37.50	931	0.8671	1.3626	0.8563	0.8671
STR 539	002YR0 2HR	738.09	732.26	0.0010	43.77	43.70	931	1.3396	1.1017	1.3295	1.3399
STR 539	002YR0 3HR	738.09	732.32	0.0010	44.89	44.82	931	1.8295	1.6014	1.8184	1.8298
STR 539	002YR0 6HR	738.09	732.62	0.0010	53.21	53.13	931	3.2894	2.5537	3.2797	3.2894
STR 539	002YR1 2HR	738.09	732.81	-0.0010	58.38	58.10	931	6.2451	6.6414	6.2274	6.2455
STR 539	002YR2 4HR	738.09	732.86	0.0010	59.54	59.47	931	12.1888	9.7366	12.1800	12.1890
STR 539	010YR0 1Hr	738.09	733.39	0.0010	75.18	75.05	931	0.8079	0.5770	0.8002	0.8079
STR 539	010YR0 2Hr	738.09	733.75	0.0010	85.84	85.74	932	1.2858	1.0983	1.2785	1.2858
STR 539	010YR0 3Hr	738.09	733.78	0.0010	86.91	86.80	932	1.7748	1.5894	1.7679	1.7749
STR 539	010YR0 6Hr	738.09	734.12	0.0010	96.35	96.23	933	3.2455	2.8232	3.2354	3.2455
STR 539	010YR1 2Hr	738.09	734.18	0.0010	97.31	97.20	934	6.2082	4.3583	6.2000	6.2082
STR 539	010YR2 4Hr	738.09	733.99	0.0010	92.21	92.10	934	12.1592	8.2606	12.1506	12.1593
STR 539	1 1/4" 24hr	738.09	730.81	0.0010	13.12	13.09	868	12.2672	11.9737	12.2517	12.2675
STR 539	100YR0 1hr	738.09	735.07	0.0013	126.34	126.31	934	0.7387	0.6729	0.7346	0.7388
STR 539	100YR0 2hr	738.09	735.32	0.0015	133.78	133.75	933	1.2213	1.1403	1.2177	1.2214
STR 539	100YR0 3hr	738.09	735.34	0.0014	134.30	134.28	933	1.7124	1.6254	1.7078	1.7125
STR 539	100YR0 6hr	738.09	735.46	0.0013	138.88	138.86	933	3.1892	3.0865	3.1849	3.1892
STR 539	100YR1 2hr	738.09	735.34	0.0010	134.15	134.12	933	6.1542	2.9678	6.1512	6.1543
STR 539	100YR2 4hr	738.09	735.02	0.0010	123.92	124.15	933	12.1034	11.8064	12.1039	12.1043
STR 540	002YR0	738.09	732.18	0.0010	37.21	37.11	689	0.8641	0.5767	0.8478	0.8580

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	1HR										
STR 540	002YR0 2HR	738.09	732.44	-0.0010	43.36	43.24	689	1.3378	5.6835	1.3229	1.3310
STR 540	002YR0 3HR	738.09	732.50	0.0010	44.49	44.35	689	1.8274	1.5486	1.8103	1.8214
STR 540	002YR0 6HR	738.09	732.82	0.0010	52.70	52.55	689	3.2872	3.0407	3.2732	3.2817
STR 540	002YR1 2HR	738.09	733.02	0.0010	57.80	57.61	689	6.2436	5.4770	6.2275	6.2274
STR 540	002YR2 4HR	738.09	733.07	0.0010	58.90	58.78	689	12.1874	11.7581	12.1742	12.1821
STR 540	010YR0 1Hr	738.09	733.64	0.0010	74.40	74.15	689	0.8059	0.5610	0.7931	0.8010
STR 540	010YR0 2Hr	738.09	734.03	0.0010	84.79	84.62	689	1.2844	0.9336	1.2738	1.2803
STR 540	010YR0 3Hr	738.09	734.06	-0.0010	85.81	85.67	689	1.7732	4.2464	1.7657	1.7688
STR 540	010YR0 6Hr	738.09	734.42	0.0010	95.03	94.93	689	3.2445	1.9944	3.2342	3.2382
STR 540	010YR1 2Hr	738.09	734.48	0.0010	95.99	95.91	689	6.2072	5.6951	6.1980	6.2009
STR 540	010YR2 4Hr	738.09	734.28	0.0010	90.99	90.92	689	12.1572	21.1226	12.1495	12.1510
STR 540	1 1/4" 24hr	738.09	730.92	0.0010	13.01	12.96	652	12.2628	11.9737	12.2428	12.2550
STR 540	100YR0 1hr	738.09	735.56	0.0014	123.92	123.87	689	0.7377	0.6736	0.7342	0.7363
STR 540	100YR0 2hr	738.09	735.86	0.0016	131.02	130.96	689	1.2208	1.1407	1.2170	1.2191
STR 540	100YR0 3hr	738.09	735.89	0.0015	131.52	131.47	689	1.7130	1.6260	1.7027	1.7143
STR 540	100YR0 6hr	738.09	736.04	0.0014	135.93	135.87	689	3.1888	3.0873	3.1839	3.1881
STR 540	100YR1 2hr	738.09	735.88	0.0010	131.48	131.43	689	6.1540	4.8862	6.1504	6.1516
STR 540	100YR2 4hr	738.09	735.49	0.0010	121.70	121.71	689	12.1058	11.6641	12.1051	12.1061
STR 541	002YR0 1HR	737.75	732.39	0.0010	37.25	36.89	1122	0.8603	0.5544	0.8269	0.8492
STR 541	002YR0 2HR	737.75	732.66	0.0010	43.38	42.98	1122	1.3340	1.0111	1.3060	1.3240
STR 541	002YR0 3HR	737.75	732.72	0.0010	44.61	44.10	1122	1.8241	1.4889	1.7928	1.8120
STR 541	002YR0 6HR	737.75	733.06	0.0010	52.64	52.22	1122	3.2846	3.0251	3.2632	3.2752

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
STR 541	002YR1 2HR	737.75	733.27	0.0010	57.63	57.26	1122	6.2407	5.9981	6.2176	6.2275
STR 541	002YR2 4HR	737.75	733.32	0.0010	58.68	58.35	1122	12.1845	11.6058	12.1631	12.1753
STR 541	010YR0 1Hr	737.75	733.94	0.0010	74.11	73.64	1122	0.8037	0.5137	0.7833	0.7946
STR 541	010YR0 2Hr	737.75	734.36	0.0010	84.11	83.90	1122	1.2829	0.7934	1.2678	1.2750
STR 541	010YR0 3Hr	737.75	734.41	0.0010	85.05	84.92	1122	1.7718	1.5107	1.7620	1.7667
STR 541	010YR0 6Hr	737.75	734.82	0.0010	94.16	94.02	1122	3.2431	3.0178	3.2330	3.2352
STR 541	010YR1 2Hr	737.75	734.89	0.0010	95.14	95.00	1122	6.2059	5.8163	6.1926	6.2001
STR 541	010YR2 4Hr	737.75	734.65	0.0010	90.17	90.08	1122	12.1561	11.5938	12.1466	12.1503
STR 541	1 1/4" 24hr	737.75	731.09	0.0009	13.01	12.90	1060	12.2555	11.9737	12.2247	12.2450
STR 541	100YR0 1hr	737.75	736.23	0.0019	122.35	122.22	1122	0.7369	0.6589	0.7229	0.7343
STR 541	100YR0 2hr	737.75	736.62	0.0020	129.18	129.08	1123	1.2199	1.1272	1.2167	1.2171
STR 541	100YR0 3hr	737.75	736.65	0.0018	129.75	129.55	1123	1.7119	1.6115	1.7000	1.7062
STR 541	100YR0 6hr	737.75	736.85	0.0016	133.95	133.85	1123	3.1878	3.0715	3.1833	3.1841
STR 541	100YR1 2hr	737.75	736.64	0.0012	129.68	129.59	1123	6.1527	6.0184	6.1500	6.1505
STR 541	100YR2 4hr	737.75	736.14	-0.0010	120.17	120.17	1123	12.1051	12.2163	12.1044	12.1051
STR 549	002YR0 1HR	737.50	732.55	-0.0010	27.36	27.42	1150	0.8641	1.8601	0.8584	0.8780
STR 549	002YR0 2HR	737.50	732.83	-0.0010	31.49	31.65	1150	1.3396	2.4505	1.3453	1.3572
STR 549	002YR0 3HR	737.50	732.88	-0.0010	32.22	32.39	1150	1.8286	3.1836	1.8323	1.8468
STR 549	002YR0 6HR	737.50	733.23	-0.0010	37.36	37.62	1150	3.2881	4.0269	3.2942	3.3104
STR 549	002YR1 2HR	737.50	733.45	0.0010	40.42	40.63	1150	6.2433	6.0259	6.2487	6.2625
STR 549	002YR2 4HR	737.50	733.51	0.0010	41.22	41.43	1150	12.1876	11.9315	12.1950	12.2092
STR 549	010YR0 1Hr	737.50	734.16	-0.0010	50.72	50.93	1150	0.8065	1.3130	0.8260	0.8284
STR 549	010YR0	737.50	734.66	0.0010	56.98	57.28	1150	1.2861	1.0542	1.3092	1.3141

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	2Hr										
STR 549	010YR0 3Hr	737.50	734.71	0.0010	57.65	57.96	1150	1.7756	1.4646	1.8013	1.8048
STR 549	010YR0 6Hr	737.50	735.18	0.0010	63.57	63.91	1150	3.2486	3.0599	3.2729	3.2724
STR 549	010YR1 2Hr	737.50	735.26	0.0010	64.38	64.81	1150	6.2107	5.9948	6.2374	6.2449
STR 549	010YR2 4Hr	737.50	734.99	0.0010	61.62	61.89	1150	12.1605	11.8024	12.1858	12.1905
STR 549	1 1/4" 24hr	737.50	731.24	0.0009	9.65	9.67	1095	12.2661	12.0778	12.2583	12.2808
STR 549	100YR0 1hr	737.50	736.68	0.0022	73.62	74.31	1150	0.7410	0.6588	0.8404	0.8591
STR 549	100YR0 2hr	737.50	737.05	0.0023	75.91	76.56	1150	1.2245	1.1270	1.3867	1.3859
STR 549	100YR0 3hr	737.50	737.09	0.0021	76.12	76.77	1150	1.7177	1.6113	1.8839	1.8831
STR 549	100YR0 6hr	737.50	737.28	0.0017	77.23	77.82	1150	3.1958	3.0711	3.3869	3.3867
STR 549	100YR1 2hr	737.50	737.09	0.0012	76.95	77.68	1150	6.1570	6.0178	6.3703	6.3710
STR 549	100YR2 4hr	737.50	736.61	-0.0010	74.59	75.47	1150	12.1168	12.2980	12.2499	12.2521
STR 568	002YR0 1HR	738.11	732.68	-0.0010	22.05	22.17	703	0.8688	1.1292	0.8740	0.8861
STR 568	002YR0 2HR	738.11	732.96	-0.0010	25.29	25.49	703	1.3450	2.5886	1.3595	1.3696
STR 568	002YR0 3HR	738.11	733.01	0.0010	25.85	26.07	703	1.8338	1.5595	1.8512	1.8612
STR 568	002YR0 6HR	738.11	733.37	0.0010	29.64	29.99	703	3.2939	2.7037	3.3243	3.3331
STR 568	002YR1 2HR	738.11	733.59	-0.0010	31.63	32.07	703	6.2476	6.7421	6.2817	6.2979
STR 568	002YR2 4HR	738.11	733.65	0.0010	32.16	32.52	703	12.1926	12.0096	12.2258	12.2451
STR 568	010YR0 1Hr	738.11	734.37	0.0010	39.39	39.69	703	0.8126	0.5770	0.8530	0.8551
STR 568	010YR0 2Hr	738.11	734.91	0.0010	44.21	44.71	703	1.2929	1.0290	1.3494	1.3493
STR 568	010YR0 3Hr	738.11	734.96	0.0010	44.66	45.18	703	1.7836	1.6023	1.8424	1.8457
STR 568	010YR0 6Hr	738.11	735.48	0.0010	48.78	49.40	703	3.2561	3.0831	3.3138	3.3151
STR 568	010YR1 2Hr	738.11	735.57	0.0010	49.05	49.71	703	6.2182	6.0289	6.2745	6.2826

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
STR 568	010YR2 4Hr	738.11	735.29	0.0010	47.33	47.88	703	12.1689	11.9171	12.2244	12.2353
STR 568	1 1/4" 24hr	738.11	731.37	0.0010	7.88	7.91	673	12.2761	12.0778	12.2794	12.2905
STR 568	100YR0 1hr	738.11	736.92	0.0017	55.48	56.21	703	0.7522	0.6593	0.8687	0.8705
STR 568	100YR0 2hr	738.11	737.23	0.0018	60.49	61.13	703	1.2358	1.1275	1.4277	1.4324
STR 568	100YR0 3hr	738.11	737.27	0.0016	61.00	61.64	703	1.7262	1.6120	1.9301	1.9307
STR 568	100YR0 6hr	738.11	737.44	0.0015	63.35	64.09	703	3.2049	3.1005	3.4582	3.4630
STR 568	100YR1 2hr	738.11	737.28	0.0011	63.04	63.81	703	6.1683	6.0576	6.3879	6.3900
STR 568	100YR2 4hr	738.11	736.88	0.0010	56.76	57.66	703	12.1240	11.7950	12.2554	12.2570
STR 569	002YR0 1HR	738.11	732.77	-0.0010	21.88	21.89	590	0.8703	1.1292	0.8652	0.8761
STR 569	002YR0 2HR	738.11	733.05	-0.0010	25.03	25.11	590	1.3467	1.6115	1.3525	1.3607
STR 569	002YR0 3HR	738.11	733.11	-0.0010	25.57	25.67	590	1.8361	2.1886	1.8415	1.8522
STR 569	002YR0 6HR	738.11	733.46	0.0010	29.22	29.43	590	3.2961	2.0563	3.3182	3.3257
STR 569	002YR1 2HR	738.11	733.69	0.0010	31.20	31.40	590	6.2492	6.0748	6.2741	6.2827
STR 569	002YR2 4HR	738.11	733.74	0.0010	31.74	31.91	590	12.1942	12.0096	12.2208	12.2272
STR 569	010YR0 1Hr	738.11	734.48	-0.0010	38.78	39.06	590	0.8151	1.3953	0.8519	0.8540
STR 569	010YR0 2Hr	738.11	735.04	-0.0010	43.38	43.87	590	1.2963	2.1174	1.3474	1.3496
STR 569	010YR0 3Hr	738.11	735.10	-0.0010	43.84	44.32	590	1.7870	3.2009	1.8358	1.8436
STR 569	010YR0 6Hr	738.11	735.65	0.0010	47.77	48.38	590	3.2597	3.0949	3.3118	3.3146
STR 569	010YR1 2Hr	738.11	735.75	0.0010	48.07	48.65	590	6.2210	6.0289	6.2658	6.2808
STR 569	010YR2 4Hr	738.11	735.45	0.0010	46.47	46.95	590	12.1722	11.9459	12.2197	12.2345
STR 569	1 1/4" 24hr	738.11	731.48	0.0009	7.85	7.83	571	12.2769	12.0836	12.2628	12.2805
STR 569	100YR0 1hr	738.11	737.06	0.0017	54.29	54.95	590	0.7594	0.6599	0.8665	0.8688
STR 569	100YR0	738.11	737.34	0.0017	59.50	60.07	590	1.2444	1.1286	1.4242	1.4280

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	2hr										
STR 569	100YR0 3hr	738.11	737.37	0.0016	60.01	60.60	590	1.7352	1.6255	1.9264	1.9305
STR 569	100YR0 6hr	738.11	737.52	0.0015	62.32	62.98	590	3.2155	3.1008	3.4549	3.4586
STR 569	100YR1 2hr	738.11	737.38	-0.0013	61.91	62.64	590	6.1762	6.3969	6.3855	6.3881
STR 569	100YR2 4hr	738.11	737.03	0.0010	55.43	56.24	590	12.1336	11.7950	12.2538	12.2556
Str400	002YR0 1HR	742.42	740.76	0.0002	1.19	1.05	4394	1.9455	0.5189	0.6999	1.1037
Str400	002YR0 2HR	742.42	740.77	0.0002	1.56	1.22	4613	2.0858	0.9985	1.1835	1.5973
Str400	002YR0 3HR	742.42	740.78	0.0002	1.67	1.27	4670	3.0680	1.4889	1.6668	1.9300
Str400	002YR0 6HR	742.42	740.81	0.0002	2.38	1.74	5120	3.3165	2.9781	3.1641	3.3155
Str400	002YR1 2HR	742.42	740.86	0.0002	3.14	2.41	5777	6.2251	5.7738	6.1169	6.2275
Str400	002YR2 4HR	742.42	740.90	0.0004	3.61	3.07	6329	12.1590	10.0352	12.0832	12.1616
Str400	010YR0 1Hr	742.42	740.87	0.0002	3.46	2.58	5931	0.8217	0.5014	0.6833	0.8239
Str400	010YR0 2Hr	742.42	740.91	0.0002	4.40	3.26	6472	1.2838	1.0237	1.1772	1.2860
Str400	010YR0 3Hr	742.42	740.92	0.0002	4.64	3.45	6608	1.7708	1.5052	1.6666	1.7728
Str400	010YR0 6Hr	742.42	740.97	0.0003	5.99	4.56	7340	3.2276	2.7501	3.1333	3.2291
Str400	010YR1 2Hr	742.42	741.01	0.0004	6.52	5.32	7799	6.1849	5.1160	6.1000	6.1851
Str400	010YR2 4Hr	742.42	741.02	0.0005	6.32	5.53	7927	12.1392	9.4011	12.0667	12.1395
Str400	1 1/4" 24hr	742.42	740.71	0.0002	0.55	0.55	3785	14.1239	12.0794	13.8567	14.1497
Str400	100YR0 1hr	742.42	741.05	0.0002	8.49	6.41	8404	0.7603	0.5200	0.6667	0.7604
Str400	100YR0 2hr	742.42	741.12	0.0002	10.70	8.19	9264	1.2417	1.0112	1.1560	1.2418
Str400	100YR0 3hr	742.42	741.14	0.0002	11.30	8.74	9505	1.7304	1.3843	1.6500	1.7305
Str400	100YR0 6hr	742.42	741.20	0.0003	13.23	10.65	10292	3.2020	2.2113	3.1333	3.2021
Str400	100YR1 2hr	742.42	741.21	0.0006	12.64	11.08	10404	7.1384	4.0953	6.1000	7.1400

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Str400	100YR2 4hr	742.42	741.20	0.0001	11.39	10.81	10364	13.0504	11.6339	12.0833	13.0519
Str400A	002YR0 1HR	748.93	741.84	0.0004	0.88	0.88	113	1.6460	0.8616	1.6387	1.6452
Str400A	002YR0 2HR	748.93	741.87	0.0004	1.03	1.03	113	2.4206	1.3246	2.4274	2.4331
Str400A	002YR0 3HR	748.93	741.88	0.0004	1.08	1.08	113	3.3576	1.8045	3.3488	3.3576
Str400A	002YR0 6HR	748.93	741.91	0.0002	1.22	1.22	113	6.0258	3.2345	6.1981	6.1773
Str400A	002YR1 2HR	748.93	741.95	0.0003	1.49	1.49	113	8.7996	5.3067	8.8174	8.8022
Str400A	002YR2 4HR	748.93	742.02	-0.0010	2.00	2.00	113	14.0085	69.0626	14.0689	14.0085
Str400A	010YR0 1Hr	748.93	741.94	0.0001	1.42	1.42	113	1.6393	0.8216	1.6279	1.6420
Str400A	010YR0 2Hr	748.93	742.07	0.0001	2.38	2.38	113	2.3620	2.1052	2.3968	2.3941
Str400A	010YR0 3Hr	748.93	742.09	-0.0001	2.55	2.55	113	3.2603	5.1506	3.2842	3.2640
Str400A	010YR0 6Hr	748.93	742.15	0.0002	3.00	3.00	113	5.1088	2.7266	5.1638	5.1088
Str400A	010YR1 2Hr	748.93	742.18	0.0003	3.29	3.29	113	7.7547	5.1160	7.7812	7.7547
Str400A	010YR2 4Hr	748.93	742.20	-0.0009	3.51	3.51	113	13.7208	10.2044	13.7160	13.7208
Str400A	1 1/4" 24hr	748.93	741.76	0.0002	0.52	0.52	113	14.3030	12.1625	14.3011	14.3030
Str400A	100YR0 1hr	748.93	742.20	0.0002	3.48	3.48	113	1.5695	0.9399	1.5843	1.5695
Str400A	100YR0 2hr	748.93	742.26	0.0002	4.16	4.16	113	2.3749	1.3682	2.3896	2.3770
Str400A	100YR0 3hr	748.93	742.32	0.0002	4.76	4.76	114	3.2345	1.8394	3.2498	3.2363
Str400A	100YR0 6hr	748.93	742.67	-0.0009	9.05	9.05	118	4.2370	5.2600	4.2348	4.2398
Str400A	100YR1 2hr	748.93	742.75	-0.0008	10.29	10.29	118	7.1076	8.2800	7.1179	7.1076
Str400A	100YR2 4hr	748.93	742.73	-0.0007	10.06	10.06	118	13.0034	14.1447	13.0256	13.0034
YI-Ex-03	002YR0 1HR	737.84	734.75	0.0009	10.06	9.89	608	0.8423	0.2950	0.8037	0.8246
YI-Ex-03	002YR0 2HR	737.84	734.92	0.0009	11.85	11.63	611	1.3261	0.2950	1.2895	1.3011
YI-Ex-03	002YR0	737.84	734.96	0.0009	12.26	12.03	611	1.8158	0.2950	1.7806	1.8032

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	3HR										
YI-Ex-03	002YR0 6HR	737.84	735.20	0.0009	14.87	14.68	611	3.2824	0.2950	3.2535	3.2712
YI-Ex-03	002YR1 2HR	737.84	735.38	0.0009	16.89	16.71	611	6.2357	0.2950	6.2100	6.2251
YI-Ex-03	002YR2 4HR	737.84	735.44	0.0009	17.61	17.45	611	12.1793	0.2950	12.1564	12.1692
YI-Ex-03	010YR0 1Hr	737.84	735.75	0.0009	21.56	21.25	611	0.8055	0.2950	0.7789	0.7944
YI-Ex-03	010YR0 2Hr	737.84	736.04	0.0009	25.20	24.99	611	1.2854	0.2950	1.2646	1.2756
YI-Ex-03	010YR0 3Hr	737.84	736.09	0.0009	25.69	25.50	611	1.7773	0.2950	1.7514	1.7645
YI-Ex-03	010YR0 6Hr	737.84	736.42	0.0009	29.38	29.31	611	3.2476	0.2950	3.2238	3.2381
YI-Ex-03	010YR1 2Hr	737.84	736.48	0.0009	29.93	29.90	611	6.2107	0.2950	6.1994	6.2037
YI-Ex-03	010YR2 4Hr	737.84	736.35	0.0009	29.12	29.18	611	12.1446	0.2950	12.1517	12.1571
YI-Ex-03	1 1/4" 24hr	737.84	734.04	0.0006	3.66	3.62	521	12.2358	0.2934	12.2075	12.2269
YI-Ex-03	100YR0 1hr	737.84	736.83	0.0009	32.62	32.60	611	0.8032	0.2950	0.7836	0.8007
YI-Ex-03	100YR0 2hr	737.84	737.06	0.0010	33.82	33.86	611	1.2853	1.1410	1.2867	1.4906
YI-Ex-03	100YR0 3hr	737.84	737.10	0.0010	34.22	34.33	611	1.7837	1.6250	1.9725	1.9704
YI-Ex-03	100YR0 6hr	737.84	737.26	-0.0010	35.89	35.99	611	3.2582	4.6487	3.3869	3.3823
YI-Ex-03	100YR1 2hr	737.84	737.37	-0.0013	36.02	36.12	611	6.7111	8.1933	6.2940	6.2921
YI-Ex-03	100YR2 4hr	737.84	737.50	-0.0012	35.06	35.03	611	12.5985	14.1614	12.1499	12.1499
YI-Ex31 6	002YR0 1HR	737.55	735.18	0.0010	8.02	7.79	593	0.8172	0.1557	0.7667	0.7900
YI-Ex31 6	002YR0 2HR	737.55	735.36	0.0010	9.33	9.05	593	1.3047	0.1557	1.2532	1.2764
YI-Ex31 6	002YR0 3HR	737.55	735.40	0.0010	9.60	9.32	593	1.7959	0.1557	1.7500	1.7687
YI-Ex31 6	002YR0 6HR	737.55	735.67	0.0010	11.38	11.04	593	3.2670	0.1557	3.2186	3.2405
YI-Ex31 6	002YR1 2HR	737.55	735.87	0.0010	12.49	12.23	593	6.2216	0.1557	6.1837	6.2011
YI-Ex31 6	002YR2 4HR	737.55	735.94	0.0010	12.60	12.43	593	12.1679	0.1557	12.1338	12.1499



Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
YI-Ex31 6	010YR0 1Hr	737.55	736.44	0.0010	16.17	15.97	594	0.7918	0.1557	0.7502	0.7577
YI-Ex31 6	010YR0 2Hr	737.55	736.93	0.0010	18.49	18.31	594	1.2742	1.1760	1.2407	1.2510
YI-Ex31 6	010YR0 3Hr	737.55	737.00	-0.0010	18.73	18.55	594	1.7661	3.2009	1.7335	1.7419
YI-Ex31 6	010YR0 6Hr	737.55	737.59	0.0011	21.00	20.81	923	3.2431	3.1190	3.2226	3.2179
YI-Ex31 6	010YR1 2Hr	737.55	737.67	-0.0010	21.63	20.84	2595	6.2147	6.2592	6.1742	6.1576
YI-Ex31 6	010YR2 4Hr	737.55	737.46	0.0010	19.81	19.78	593	12.1495	0.1557	12.1404	12.1473
YI-Ex31 6	1 1/4" 24hr	737.55	734.46	0.0006	3.08	3.01	566	12.2036	11.9737	12.1639	12.1897
YI-Ex31 6	100YR0 1hr	737.55	738.17	-0.0090	26.85	23.94	13435	0.9091	1.0751	0.7500	0.6713
YI-Ex31 6	100YR0 2hr	737.55	738.37	-0.0095	28.57	25.50	17814	1.4355	1.6821	1.2474	1.5668
YI-Ex31 6	100YR0 3hr	737.55	738.40	-0.0091	28.77	25.45	18593	1.9306	2.1970	1.7334	2.0500
YI-Ex31 6	100YR0 6hr	737.55	738.53	-0.0048	29.88	24.02	21319	3.4185	3.8452	3.2159	3.4819
YI-Ex31 6	100YR1 2hr	737.55	738.48	-0.0027	28.94	22.50	20322	6.3964	6.8271	6.1719	6.3898
YI-Ex31 6	100YR2 4hr	737.55	738.35	-0.0010	26.93	21.13	17488	12.3778	12.7076	12.1333	11.9840
YI-Ex31 7	002YR0 1HR	738.38	735.35	0.0010	7.51	7.23	598	0.8025	0.1557	0.7500	0.7669
YI-Ex31 7	002YR0 2HR	738.38	735.52	0.0010	8.95	8.56	598	1.2929	0.1557	1.2333	1.2510
YI-Ex31 7	002YR0 3HR	738.38	735.56	0.0010	9.20	8.81	598	1.7842	0.1557	1.7167	1.7384
YI-Ex31 7	002YR0 6HR	738.38	735.83	-0.0010	11.03	10.53	598	3.2580	3.3569	3.2000	3.2174
YI-Ex31 7	002YR1 2HR	738.38	736.04	0.0010	12.13	11.66	598	6.2160	0.1557	6.1667	6.1827
YI-Ex31 7	002YR2 4HR	738.38	736.11	0.0010	12.18	11.84	598	12.1636	0.1557	12.1166	12.1337
YI-Ex31 7	010YR0 1Hr	738.38	736.76	-0.0010	15.93	15.62	598	0.7854	0.8393	0.7333	0.7477
YI-Ex31 7	010YR0 2Hr	738.38	737.35	0.0010	18.48	18.19	598	1.2692	1.1794	1.2333	1.2337
YI-Ex31 7	010YR0 3Hr	738.38	737.43	0.0010	18.75	18.42	598	1.7599	1.6671	1.7167	1.7210
YI-Ex31 7	010YR0	738.38	738.13	0.0013	21.23	20.90	598	3.2325	3.1218	3.1834	3.2004

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
7	6Hr										
YI-Ex31 7	010YR1 2Hr	738.38	738.22	0.0011	21.53	21.31	598	6.1891	6.0681	6.1500	6.1670
YI-Ex31 7	010YR2 4Hr	738.38	737.94	-0.0010	19.79	19.59	598	12.1479	12.2653	12.1167	12.1173
YI-Ex31 7	1 1/4" 24hr	738.38	734.70	0.0009	2.58	2.52	547	12.1778	0.1178	12.1333	12.1644
YI-Ex31 7	100YR0 1hr	738.38	738.88	-0.0028	31.30	26.76	10916	0.8400	1.0110	0.7333	0.6721
YI-Ex31 7	100YR0 2hr	738.38	739.11	-0.0034	36.43	27.48	15866	1.3536	1.6155	1.2167	1.1396
YI-Ex31 7	100YR0 3hr	738.38	739.14	-0.0035	37.07	27.36	16616	1.8497	2.1262	1.7166	1.6263
YI-Ex31 7	100YR0 6hr	738.38	739.28	-0.0020	40.79	27.02	19667	3.3424	3.7192	3.1833	3.0878
YI-Ex31 7	100YR1 2hr	738.38	739.22	0.0014	38.03	25.68	18417	6.3046	5.9881	6.1500	6.0426
YI-Ex31 7	100YR2 4hr	738.38	739.02	-0.0010	31.59	24.07	13910	12.2425	12.4975	12.1166	11.9959

## Node: CI-EX-02

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 732.91 ft  
Warning Stage: 739.81 ft

Stage [ft]	Area [ac]	Area [ft2]
732.91	0.0003	13
739.81	0.0003	13
740.81	0.5000	21780

Comment: (converted from manhole to stage/area node)

## Node: CI-Ex-01

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 732.95 ft

Warning Stage: 738.95 ft

Stage [ft]	Area [ac]	Area [ft2]
732.95	0.0003	13
738.95	0.0003	13
739.95	0.5000	21780

Comment: (converted from manhole to stage/area node)

Node: CI-Ex-04

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 733.37 ft  
Warning Stage: 739.37 ft

Stage [ft]	Area [ac]	Area [ft2]
733.37	0.0002	9
739.37	0.0002	9
740.37	0.5000	21780

Comment: (converted from manhole to stage/area node)

Node: CI-Ex-05

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 733.40 ft  
Warning Stage: 739.30 ft

Stage [ft]	Area [ac]	Area [ft2]
733.40	0.0002	9
739.30	0.0002	9
740.30	0.5000	21780

Comment: (converted from manhole to stage/area node)

Node: CI-Ex318

Scenario: Section 5A b2b

Type: Stage/Area  
 Base Flow: 0.00 cfs  
 Initial Stage: 734.47 ft  
 Warning Stage: 738.90 ft

Stage [ft]	Area [ac]	Area [ft2]
734.00	0.0002	9
738.90	0.0002	9
739.90	0.5000	21780

Comment: (converted from manhole to stage/area node)

Node: CI-Ex319

Scenario: Section 5A b2b  
 Type: Stage/Area  
 Base Flow: 0.00 cfs  
 Initial Stage: 734.00 ft  
 Warning Stage: 739.00 ft

Stage [ft]	Area [ac]	Area [ft2]
734.00	0.0002	9
739.00	0.0002	9
740.00	0.5000	21780

Comment: (converted from manhole to stage/area node)

Node: DS Ex CB

Scenario: Section 5A b2b  
 Type: Time/Stage  
 Base Flow: 0.00 cfs  
 Initial Stage: 730.91 ft  
 Warning Stage: 738.91 ft  
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	730.91
0	0	0	12.0000	733.91
0	0	0	30.0000	730.91

Comment:

## Node: Direct Discharge

Scenario: Section 5A b2b  
 Type: Time/Stage  
 Base Flow: 0.00 cfs  
 Initial Stage: 0.00 ft  
 Warning Stage: 0.00 ft  
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.00
0	0	0	48.0000	0.00

Comment:

## Node: EastFarmField

Scenario: Section 5A b2b  
 Type: Time/Stage  
 Base Flow: 0.00 cfs  
 Initial Stage: 736.80 ft  
 Warning Stage: 743.00 ft  
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	736.80
0	0	0	12.0000	738.80
0	0	0	30.0000	736.80

Comment:

## Node: Ex Pond A

Scenario: Section 5A b2b  
 Type: Stage/Area  
 Base Flow: 0.00 cfs  
 Initial Stage: 735.00 ft  
 Warning Stage: 738.00 ft

Stage [ft]	Area [ac]	Area [ft2]
734.55	1.3820	60200
735.00	1.4310	62334
736.00	1.5660	68215
738.00	1.8940	82503
739.00	2.1140	92086

Comment:

## Node: Ex Pond B

Scenario: Section 5A b2b  
 Type: Stage/Area  
 Base Flow: 0.00 cfs  
 Initial Stage: 732.50 ft  
 Warning Stage: 737.00 ft

Stage [ft]	Area [ac]	Area [ft2]
732.50	0.8706	37923
735.00	1.0650	46391
737.00	1.2700	55321

Comment:

## Node: Lake 1

Scenario: Section 5A b2b  
 Type: Stage/Area  
 Base Flow: 0.00 cfs  
 Initial Stage: 742.00 ft  
 Warning Stage: 748.00 ft

Stage [ft]	Area [ac]	Area [ft2]
741.00	0.4160	18121
742.00	0.4750	20691
743.00	0.5370	23392
746.00	0.7370	32104
747.00	0.8090	35240
748.00	1.0420	45390
749.70	1.3860	60374
750.00	1.4790	64425

Comment: For back to back storms use Elevation 747.95 as initial stage.

## Node: Lake 2

Scenario: Section 5A b2b  
 Type: Stage/Area  
 Base Flow: 0.00 cfs  
 Initial Stage: 735.00 ft  
 Warning Stage: 741.00 ft

Stage [ft]	Area [ac]	Area [ft2]
735.00	1.7100	74488
736.00	1.8500	80586
737.00	2.0100	87556
738.00	2.1700	94525

Stage [ft]	Area [ac]	Area [ft2]
739.00	2.3300	101495
740.00	2.5000	108900
741.00	2.6700	116305

Comment: 738.51 - WSEL for running back to back 100 year storms

Cant achieve 90% availible capacity (735.6) without running the simulation for 100 hours.

48 hr - 736.80 ( 67% )

#### Node: Lake 3

Scenario: Section 5A b2b

Type: Stage/Area

Base Flow: 0.00 cfs

Initial Stage: 735.97 ft

Warning Stage: 736.00 ft

Stage [ft]	Area [ac]	Area [ft2]
731.70	1.4104	61435
732.00	1.4572	63475
733.00	1.5542	67700
734.00	1.6535	72025
735.00	1.7550	76446
736.00	1.8588	80968
737.00	1.9665	85660

Comment: 735.95 - WSEL for running back to back 100 year storms

#### Node: Lake 4

Scenario: Section 5A b2b

Type: Stage/Area

Base Flow: 0.00 cfs

Initial Stage: 729.00 ft

Warning Stage: 733.00 ft

Stage [ft]	Area [ac]	Area [ft2]
728.00	1.8900	82328
729.00	2.0100	87556
730.00	2.1400	93218
731.00	2.2600	98446
732.00	2.3900	104108
733.00	2.5200	109771
734.00	2.6500	115434
735.00	2.7900	121532

Comment:

Node: NinevahRdBasin

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 738.30 ft  
Warning Stage: 742.00 ft

Stage [ft]	Area [ac]	Area [ft2]
738.30	0.0000	0
741.00	0.0050	218
742.00	0.0530	2309
743.00	0.1033	4500

Comment:

Node: Outlet 4

Scenario: Section 5A b2b  
Type: Time/Stage  
Base Flow: 0.00 cfs  
Initial Stage: 725.00 ft  
Warning Stage: 725.00 ft  
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	725.00
0	0	0	72.0000	725.00

Comment:

Node: Outlet1

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 740.08 ft  
Warning Stage: 746.34 ft

Stage [ft]	Area [ac]	Area [ft2]
740.08	0.0003	13
746.34	0.0003	13



Comment: (converted from manhole to stage/area node)

**Node: Outlet2**

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 736.50 ft  
Warning Stage: 738.50 ft

Stage [ft]	Area [ac]	Area [ft2]
736.50	0.0000	0
737.00	0.0103	449
738.00	0.2074	9034
739.00	0.5490	23914

Comment:

**Node: PR403**

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 741.10 ft  
Warning Stage: 748.89 ft

Stage [ft]	Area [ac]	Area [ft2]
741.10	0.0003	13
748.89	0.0003	13

Comment: (converted from manhole to stage/area node)

**Node: PR405**

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 747.00 ft  
Warning Stage: 752.00 ft

Stage [ft]	Area [ac]	Area [ft2]
747.00	0.0000	0
748.00	0.0029	126

Stage [ft]	Area [ac]	Area [ft2]
749.00	0.0080	348
750.00	0.0240	1045
751.00	0.0347	1512
752.00	0.0511	2226

Comment:

Node: STR 461

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 734.69 ft  
Warning Stage: 741.20 ft

Stage [ft]	Area [ac]	Area [ft2]
734.69	0.0064	279
741.20	0.0064	279
742.20	1.0000	43560

Comment:

Node: STR 462

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 734.27 ft  
Warning Stage: 739.19 ft

Stage [ft]	Area [ac]	Area [ft2]
734.27	0.0064	279
739.19	0.0064	279
740.19	1.0000	43560

Comment:

Node: STR 463

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 734.09 ft  
Warning Stage: 738.80 ft

Stage [ft]	Area [ac]	Area [ft2]
734.09	0.0064	279
738.80	0.0064	279
739.80	1.0000	43560

Comment:

Node: STR 464

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 733.94 ft  
Warning Stage: 738.80 ft

Stage [ft]	Area [ac]	Area [ft2]
733.94	0.0064	279
738.80	0.0064	279
739.80	1.0000	43560

Comment:

Node: STR 465

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 733.63 ft  
Warning Stage: 738.00 ft

Stage [ft]	Area [ac]	Area [ft2]
733.63	0.0064	279
738.00	0.0064	279
739.00	1.0000	43560

Comment:

Node: STR 466

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 733.16 ft  
Warning Stage: 738.38 ft

Stage [ft]	Area [ac]	Area [ft2]
733.16	0.0064	279
738.38	0.0064	279
739.38	1.0000	43560

Comment:

Node: STR 467

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 732.99 ft  
Warning Stage: 738.38 ft

Stage [ft]	Area [ac]	Area [ft2]
732.99	0.0064	279
738.38	0.0064	279
739.38	1.0000	43560

Comment:

Node: STR 468

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 732.76 ft  
Warning Stage: 738.55 ft

Stage [ft]	Area [ac]	Area [ft2]
732.76	0.0064	279
738.55	0.0064	279
739.55	1.0000	43560

Comment:

Node: STR 469

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 732.60 ft  
Warning Stage: 738.40 ft

Stage [ft]	Area [ac]	Area [ft2]
732.60	0.0064	279
738.40	0.0064	279
739.40	1.0000	43560

Comment:

Node: STR 471

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 732.03 ft  
Warning Stage: 739.20 ft

Stage [ft]	Area [ac]	Area [ft2]
732.03	0.0064	279
739.20	0.0064	279
740.20	1.0000	43560

Comment:

Node: STR 472

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 731.83 ft  
Warning Stage: 738.42 ft

Stage [ft]	Area [ac]	Area [ft2]
731.83	0.0064	279
738.42	0.0064	279
739.42	1.0000	43560

Comment:

Node: STR 473

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 731.70 ft  
Warning Stage: 738.08 ft

Stage [ft]	Area [ac]	Area [ft2]
731.70	0.0064	279
738.08	0.0064	279
739.08	1.0000	43560

Comment:

Node: STR 474

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 731.44 ft  
Warning Stage: 737.70 ft

Stage [ft]	Area [ac]	Area [ft2]
731.44	0.0064	279
737.70	0.0064	279
738.70	1.0000	43560

Comment:

Node: STR 501

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 730.51 ft  
Warning Stage: 737.20 ft

Stage [ft]	Area [ac]	Area [ft2]
730.51	0.0064	279
737.20	0.0064	279
738.20	1.0000	43560

Comment:

Node: STR 503

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 730.98 ft  
Warning Stage: 738.09 ft

Stage [ft]	Area [ac]	Area [ft2]
730.98	0.0064	279
738.09	0.0064	279
739.09	1.0000	43560

Comment:

Node: STR 504

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 731.13 ft  
Warning Stage: 738.09 ft

Stage [ft]	Area [ac]	Area [ft2]
731.13	0.0064	279
738.09	0.0064	279
739.09	1.0000	43560

Comment:

Node: STR 512

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 725.20 ft  
Warning Stage: 734.32 ft

Stage [ft]	Area [ac]	Area [ft2]
725.20	0.0064	279
734.32	0.0064	279

Comment:

Node: STR 515

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 729.04 ft  
Warning Stage: 736.00 ft

Stage [ft]	Area [ac]	Area [ft2]
729.04	0.0064	279
736.00	0.0064	279

Comment:

Node: STR 516

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 729.19 ft  
Warning Stage: 737.09 ft

Stage [ft]	Area [ac]	Area [ft2]
729.19	0.0064	279
737.09	0.0064	279

Comment:

Node: STR 517

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 729.40 ft  
Warning Stage: 737.86 ft

Stage [ft]	Area [ac]	Area [ft2]
729.40	0.0064	279
737.86	0.0064	279

Comment:

Node: STR 521

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 729.96 ft  
Warning Stage: 736.10 ft

Stage [ft]	Area [ac]	Area [ft2]
729.96	0.0064	279
736.10	0.0064	279



Comment:

Node: STR 522

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 730.31 ft  
Warning Stage: 735.85 ft

Stage [ft]	Area [ac]	Area [ft2]
730.31	0.0064	279
735.85	0.0064	279

Comment:

Node: STR 523

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 730.69 ft  
Warning Stage: 738.17 ft

Stage [ft]	Area [ac]	Area [ft2]
730.69	0.0064	279
738.17	0.0064	279

Comment:

Node: STR 524

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 730.82 ft  
Warning Stage: 737.69 ft

Stage [ft]	Area [ac]	Area [ft2]
730.82	0.0064	279
737.69	0.0064	279

Comment:

Node: STR 525

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 730.95 ft  
Warning Stage: 737.69 ft

Stage [ft]	Area [ac]	Area [ft2]
730.95	0.0064	279
737.69	0.0064	279

Comment:

Node: STR 526

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 731.21 ft  
Warning Stage: 737.00 ft

Stage [ft]	Area [ac]	Area [ft2]
731.21	0.0064	279
737.00	0.0064	279

Comment:

Node: STR 539

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 729.26 ft  
Warning Stage: 738.09 ft

Stage [ft]	Area [ac]	Area [ft2]
729.26	0.0064	279
738.09	0.0064	279
739.09	1.0000	43560

Comment:

Node: STR 540

Scenario: Section 5A b2b

Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 729.38 ft  
Warning Stage: 738.09 ft

Stage [ft]	Area [ac]	Area [ft2]
729.38	0.0064	279
738.09	0.0064	279
739.08	1.0000	43560

Comment:

Node: STR 541

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 729.57 ft  
Warning Stage: 737.75 ft

Stage [ft]	Area [ac]	Area [ft2]
729.57	0.0064	279
737.75	0.0064	279
738.75	1.0000	43560

Comment:

Node: STR 549

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 729.80 ft  
Warning Stage: 737.50 ft

Stage [ft]	Area [ac]	Area [ft2]
729.80	0.0064	279
737.50	0.0064	279
738.50	1.0000	43560

Comment:

Node: STR 568

Scenario: Section 5A b2b

Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 730.12 ft  
Warning Stage: 738.11 ft

Stage [ft]	Area [ac]	Area [ft2]
730.12	0.0064	279
738.11	0.0064	279
739.11	1.0000	43560

Comment:

Node: STR 569

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 730.24 ft  
Warning Stage: 738.11 ft

Stage [ft]	Area [ac]	Area [ft2]
730.24	0.0064	279
738.11	0.0064	279
739.11	1.0000	43560

Comment:

Node: Str400

Scenario: Section 5A b2b  
Type: Stage/Area  
Base Flow: 0.00 cfs  
Initial Stage: 740.42 ft  
Warning Stage: 742.42 ft

Stage [ft]	Area [ac]	Area [ft2]
740.42	0.0006	28
742.42	0.5000	21780
748.00	0.6000	26136

Comment:

Node: Str400A

Scenario: Section 5A b2b

Type: Stage/Area  
 Base Flow: 0.00 cfs  
 Initial Stage: 741.50 ft  
 Warning Stage: 748.93 ft

Stage [ft]	Area [ac]	Area [ft2]
741.50	0.0006	28
748.93	0.0006	28

Comment: (converted from manhole to stage/area node)

Node: YI-Ex-03

Scenario: Section 5A b2b  
 Type: Stage/Area  
 Base Flow: 0.00 cfs  
 Initial Stage: 733.34 ft  
 Warning Stage: 737.84 ft

Stage [ft]	Area [ac]	Area [ft2]
733.34	0.0003	13
737.84	0.0003	13
738.84	0.5000	21780

Comment: (converted from manhole to stage/area node)

Node: YI-Ex316

Scenario: Section 5A b2b  
 Type: Stage/Area  
 Base Flow: 0.00 cfs  
 Initial Stage: 733.55 ft  
 Warning Stage: 737.55 ft

Stage [ft]	Area [ac]	Area [ft2]
733.55	0.0002	9
737.55	0.0002	9
738.55	0.5000	21780

Comment: (converted from manhole to stage/area node)

Node: YI-Ex317

Scenario: Section 5A b2b  
 Type: Stage/Area  
 Base Flow: 0.00 cfs  
 Initial Stage: 734.01 ft  
 Warning Stage: 738.38 ft

Stage [ft]	Area [ac]	Area [ft2]
734.00	0.0002	9
738.38	0.0002	9
739.38	0.5000	21780

Comment: (converted from manhole to stage/area node)

## Node Max Conditions w/ Times [Section 5A b2b]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
CI-EX-02	002YR0 1HR	739.81	734.65	0.0010	10.59	10.53	397	0.8480	0.3366	0.8248	0.8360
CI-EX-02	002YR0 2HR	739.81	734.82	0.0010	12.49	12.42	398	1.3295	0.3366	1.3012	1.3242
CI-EX-02	002YR0 3HR	739.81	734.85	0.0010	12.94	12.89	398	1.8196	0.3366	1.8032	1.8136
CI-EX-02	002YR0 6HR	739.81	735.09	0.0010	15.84	15.79	398	3.2858	0.3366	3.2711	3.2804
CI-EX-02	002YR1 2HR	739.81	735.25	0.0010	18.10	18.05	398	6.2383	0.3366	6.2257	6.2341
CI-EX-02	002YR2 4HR	739.81	735.32	0.0010	18.98	19.05	398	12.1787	0.3366	12.1820	12.1926
CI-EX-02	010YR0 1Hr	739.81	735.60	0.0010	22.94	22.87	398	0.8079	0.3366	0.7961	0.8037
CI-EX-02	010YR0 2Hr	739.81	735.87	0.0010	27.02	26.96	398	1.2872	0.3366	1.2776	1.2836
CI-EX-02	010YR0 3Hr	739.81	735.92	0.0010	27.59	27.49	398	1.7793	0.3366	1.7646	1.7643
CI-EX-02	010YR0 6Hr	739.81	736.21	0.0010	31.82	31.81	398	3.2491	0.3366	3.2417	3.2477
CI-EX-02	010YR1 2Hr	739.81	736.27	0.0010	32.61	32.61	398	6.2118	0.3366	6.2096	6.2096
CI-EX-02	010YR2 4Hr	739.81	736.14	-0.0010	31.84	31.95	398	12.1416	13.8023	12.1583	12.1647
CI-EX-02	1 1/4" 24hr	739.81	733.90	0.0010	3.82	3.80	352	12.2425	0.3547	12.2264	12.2411

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
CI-EX-02	100YR0 1hr	739.81	736.54	0.0010	36.29	36.29	398	0.8035	0.3366	0.8003	0.8011
CI-EX-02	100YR0 2hr	739.81	736.74	0.0010	38.28	38.28	398	1.2892	1.1406	1.2845	1.2894
CI-EX-02	100YR0 3hr	739.81	736.78	-0.0014	38.77	38.77	398	1.7841	2.8663	1.7828	1.7856
CI-EX-02	100YR0 6hr	739.81	737.04	0.0020	40.51	40.52	398	3.8066	5.2195	3.2665	3.2666
CI-EX-02	100YR1 2hr	739.81	737.25	0.0025	40.91	41.01	398	6.7748	8.4673	6.2700	6.2687
CI-EX-02	100YR2 4hr	739.81	737.42	-0.0021	39.52	39.49	398	12.6591	13.3875	12.1511	12.1516
CI-Ex-01	002YR0 1HR	738.95	734.56	0.0010	10.93	10.88	710	0.8498	0.3809	0.8342	0.8507
CI-Ex-01	002YR0 2HR	738.95	734.72	0.0010	12.91	12.89	718	1.3315	0.3809	1.3229	1.3317
CI-Ex-01	002YR0 3HR	738.95	734.75	0.0010	13.39	13.38	719	1.8209	0.3809	1.8131	1.8212
CI-Ex-01	002YR0 6HR	738.95	734.98	0.0010	16.45	16.43	720	3.2872	11.9374	3.2795	3.2873
CI-Ex-01	002YR1 2HR	738.95	735.13	0.0010	18.83	18.81	654	6.2394	0.3809	6.2327	6.2399
CI-Ex-01	002YR2 4HR	738.95	735.19	0.0010	19.89	20.06	407	12.1772	0.3809	12.1907	12.1998
CI-Ex-01	010YR0 1Hr	738.95	735.47	0.0010	23.84	23.81	726	0.8096	0.3809	0.8030	0.8096
CI-Ex-01	010YR0 2Hr	738.95	735.72	0.0010	28.14	28.12	726	1.2886	0.3809	1.2834	1.2886
CI-Ex-01	010YR0 3Hr	738.95	735.76	0.0010	28.71	28.64	726	1.7809	0.3809	1.7644	1.7809
CI-Ex-01	010YR0 6Hr	738.95	736.03	0.0010	33.26	33.25	711	3.2510	0.3809	3.2477	3.2511
CI-Ex-01	010YR1 2Hr	738.95	736.08	-0.0010	34.15	34.14	537	6.2135	7.2117	6.2096	6.2135
CI-Ex-01	010YR2 4Hr	738.95	735.96	-0.0010	33.45	33.64	407	12.1381	14.3391	12.1642	12.1675
CI-Ex-01	1 1/4" 24hr	738.95	733.83	0.0007	3.91	3.92	361	12.2445	0.3806	12.2411	12.2511
CI-Ex-01	100YR0 1hr	738.95	736.35	0.0012	38.38	38.37	726	0.8038	0.6777	0.7999	0.8039
CI-Ex-01	100YR0 2hr	738.95	736.53	0.0014	40.82	40.93	726	1.2856	1.1380	1.2854	1.2861
CI-Ex-01	100YR0 3hr	738.95	736.56	0.0013	41.39	41.38	726	1.7837	2.8663	1.7814	1.7838
CI-Ex-01	100YR0	738.95	736.97	0.0022	43.51	43.50	612	3.8289	5.4635	3.2559	3.2567

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
1	6hr										
CI-Ex-01	100YR1 2hr	738.95	737.20	0.0023	43.67	43.81	520	6.7988	7.9089	6.2593	6.2586
CI-Ex-01	100YR2 4hr	738.95	737.40	0.0019	42.02	41.97	425	12.8892	14.8770	12.1503	12.1514
CI-Ex-04	002YR0 1HR	739.37	734.97	0.0009	9.01	8.95	321	0.8305	0.2916	0.8061	0.8172
CI-Ex-04	002YR0 2HR	739.37	735.13	0.0009	10.55	10.48	321	1.3173	0.2916	1.2929	1.3020
CI-Ex-04	002YR0 3HR	739.37	735.17	0.0009	10.90	10.80	321	1.8082	0.2916	1.7821	1.7934
CI-Ex-04	002YR0 6HR	739.37	735.41	0.0009	13.10	13.02	321	3.2768	0.2916	3.2544	3.2652
CI-Ex-04	002YR1 2HR	739.37	735.59	0.0009	14.76	14.68	321	6.2308	0.2916	6.2110	6.2200
CI-Ex-04	002YR2 4HR	739.37	735.65	0.0009	15.29	15.22	322	12.1766	0.2916	12.1578	12.1661
CI-Ex-04	010YR0 1Hr	739.37	735.99	0.0009	18.83	18.71	321	0.8013	0.2916	0.7788	0.7858
CI-Ex-04	010YR0 2Hr	739.37	736.32	0.0009	21.81	21.76	321	1.2828	0.2916	1.2682	1.2714
CI-Ex-04	010YR0 3Hr	739.37	736.37	0.0009	22.18	22.13	321	1.7743	0.2916	1.7565	1.7646
CI-Ex-04	010YR0 6Hr	739.37	736.79	0.0009	25.26	25.26	322	3.2488	0.2916	3.2483	3.2517
CI-Ex-04	010YR1 2Hr	739.37	736.86	0.0009	25.72	25.74	322	6.2166	0.2916	6.2308	6.2332
CI-Ex-04	010YR2 4Hr	739.37	736.71	0.0009	24.91	24.97	322	12.1488	0.2916	12.1571	12.1653
CI-Ex-04	1 1/4" 24hr	739.37	734.30	0.0009	3.36	3.35	296	12.2161	0.2781	12.2053	12.2159
CI-Ex-04	100YR0 1hr	739.37	737.26	-0.0013	29.04	29.11	322	0.8266	1.0768	0.9829	0.9801
CI-Ex-04	100YR0 2hr	739.37	737.49	-0.0013	31.05	31.13	322	1.3172	1.6837	1.5173	1.5167
CI-Ex-04	100YR0 3hr	739.37	737.53	-0.0013	31.35	31.41	322	1.8077	2.1986	1.9956	1.9936
CI-Ex-04	100YR0 6hr	739.37	737.70	-0.0010	31.76	31.80	322	3.2863	5.4256	3.4188	3.4178
CI-Ex-04	100YR1 2hr	739.37	737.65	-0.0010	31.03	31.05	322	6.2282	8.7977	6.3366	6.3352
CI-Ex-04	100YR2 4hr	739.37	737.73	0.0009	28.56	28.52	322	12.4960	0.2781	12.2054	12.2042
CI-Ex-05	002YR0 1HR	739.30	735.06	-0.0006	8.55	8.49	214	0.8245	0.9186	0.7932	0.8010



Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
CI-Ex-05	002YR0 2HR	739.30	735.23	-0.0009	9.98	9.91	214	1.3129	2.2507	1.2810	1.2870
CI-Ex-05	002YR0 3HR	739.30	735.27	-0.0009	10.30	10.23	214	1.8034	3.2789	1.7712	1.7775
CI-Ex-05	002YR0 6HR	739.30	735.52	-0.0009	12.31	12.24	214	3.2721	6.2960	3.2436	3.2502
CI-Ex-05	002YR1 2HR	739.30	735.71	-0.0008	13.75	13.69	214	6.2258	6.3364	6.2023	6.2064
CI-Ex-05	002YR2 4HR	739.30	735.78	-0.0008	14.10	14.05	214	12.1727	12.2548	12.1507	12.1538
CI-Ex-05	010YR0 1Hr	739.30	736.17	-0.0007	17.76	17.65	214	0.7985	0.8781	0.7667	0.7711
CI-Ex-05	010YR0 2Hr	739.30	736.56	-0.0007	20.48	20.37	214	1.2794	2.2925	1.2539	1.2610
CI-Ex-05	010YR0 3Hr	739.30	736.63	-0.0009	20.80	20.70	214	1.7716	3.2029	1.7472	1.7515
CI-Ex-05	010YR0 6Hr	739.30	737.11	-0.0008	23.52	23.37	214	3.2468	6.2561	3.2179	3.2193
CI-Ex-05	010YR1 2Hr	739.30	737.19	-0.0008	23.64	23.49	214	6.2166	7.5025	6.1576	6.2184
CI-Ex-05	010YR2 4Hr	739.30	737.01	-0.0010	22.69	22.70	214	12.1506	13.5006	12.1504	12.1532
CI-Ex-05	1 1/4" 24hr	739.30	734.36	0.0007	3.22	3.21	208	12.2117	12.0131	12.1917	12.2003
CI-Ex-05	100YR0 1hr	739.30	737.63	-0.0023	26.65	26.09	214	0.8646	1.0759	0.6713	0.9921
CI-Ex-05	100YR0 2hr	739.30	737.85	-0.0024	27.85	27.91	214	1.3666	1.6829	1.5428	1.5418
CI-Ex-05	100YR0 3hr	739.30	737.89	-0.0023	27.93	27.98	214	1.8474	2.1977	2.0221	2.0205
CI-Ex-05	100YR0 6hr	739.30	738.05	-0.0014	27.43	27.46	214	3.3222	3.8456	3.4391	3.4379
CI-Ex-05	100YR1 2hr	739.30	737.98	-0.0010	26.56	26.57	214	6.2358	9.6091	6.3470	6.3474
CI-Ex-05	100YR2 4hr	739.30	737.96	-0.0008	24.57	24.53	214	12.4537	15.0678	12.1991	12.1981
CI-Ex318	002YR0 1HR	738.90	735.33	-0.0006	0.92	0.86	211	0.8059	0.8980	0.7554	0.7862
CI-Ex318	002YR0 2HR	738.90	735.50	-0.0008	1.28	1.18	211	1.2967	1.4026	1.2361	1.2693
CI-Ex318	002YR0 3HR	738.90	735.54	-0.0007	1.35	1.21	211	1.7864	1.8423	1.7336	1.7686
CI-Ex318	002YR0 6HR	738.90	735.81	-0.0007	1.71	1.58	211	3.2596	3.3943	3.2009	3.2505
CI-Ex318	002YR1	738.90	736.02	-0.0010	2.04	1.88	211	6.2169	6.3153	6.1673	6.1994

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
8	2HR										
CI-Ex318	002YR2 4HR	738.90	736.09	-0.0010	2.14	2.05	211	12.1651	12.2548	12.1188	12.1515
CI-Ex318	010YR0 1Hr	738.90	736.72	-0.0010	3.33	2.92	211	0.7871	0.8695	0.7223	0.7669
CI-Ex318	010YR0 2Hr	738.90	737.29	-0.0010	4.02	3.70	212	1.2710	1.3863	1.1820	1.2501
CI-Ex318	010YR0 3Hr	738.90	737.37	-0.0010	4.08	3.80	212	1.7617	1.8566	1.7169	1.7340
CI-Ex318	010YR0 6Hr	738.90	738.05	0.0010	4.96	4.57	212	3.2345	3.1294	3.1838	3.2016
CI-Ex318	010YR1 2Hr	738.90	738.14	-0.0010	5.09	4.72	212	6.1914	6.3146	6.1504	6.1581
CI-Ex318	010YR2 4Hr	738.90	737.87	-0.0010	4.65	4.41	212	12.1505	12.2482	12.1006	12.1173
CI-Ex318	1 1/4" 24hr	738.90	734.73	0.0002	0.32	0.34	161	12.1978	0.0926	0.1807	0.1909
CI-Ex318	100YR0 1hr	738.90	738.79	-0.0019	7.24	5.88	212	0.8449	1.0780	0.6716	0.6722
CI-Ex318	100YR0 2hr	738.90	739.01	-0.0021	7.83	6.15	2438	1.3822	1.6848	1.1396	1.1397
CI-Ex318	100YR0 3hr	738.90	739.04	-0.0020	7.86	6.16	3153	1.8855	2.1995	1.6260	1.6263
CI-Ex318	100YR0 6hr	738.90	739.16	0.0015	7.75	6.10	5758	3.4158	3.0861	3.0866	3.0877
CI-Ex318	100YR1 2hr	738.90	739.12	0.0011	6.93	5.67	4864	6.3610	6.0378	6.0382	6.0391
CI-Ex318	100YR2 4hr	738.90	738.94	-0.0010	5.91	5.06	980	12.2560	13.1416	11.9845	11.9852
CI-Ex319	002YR0 1HR	739.00	735.32	-0.0006	0.86	0.85	118	0.8076	0.8976	0.7862	0.8033
CI-Ex319	002YR0 2HR	739.00	735.50	-0.0008	1.18	1.15	118	1.2954	1.4083	1.2693	1.3107
CI-Ex319	002YR0 3HR	739.00	735.54	-0.0007	1.21	1.20	118	1.7879	1.8423	1.7686	1.7906
CI-Ex319	002YR0 6HR	739.00	735.80	-0.0007	1.58	1.59	118	3.2601	3.3943	3.2505	3.2726
CI-Ex319	002YR1 2HR	739.00	736.01	-0.0010	1.88	1.89	118	6.2177	6.3153	6.1994	6.2337
CI-Ex319	002YR2 4HR	739.00	736.08	-0.0010	2.05	2.06	118	12.1655	12.2371	12.1515	12.1782
CI-Ex319	010YR0 1Hr	739.00	736.71	-0.0010	2.92	2.86	118	0.7878	0.8695	0.7669	0.7879
CI-Ex319	010YR0 2Hr	739.00	737.27	-0.0010	3.70	3.61	118	1.2717	1.3863	1.2501	1.2717

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
CI-Ex319	010YR0 3Hr	739.00	737.35	-0.0010	3.80	3.70	118	1.7625	1.8566	1.7340	1.7625
CI-Ex319	010YR0 6Hr	739.00	738.02	0.0010	4.57	4.43	118	3.2352	3.1235	3.2016	3.2352
CI-Ex319	010YR1 2Hr	739.00	738.11	0.0010	4.72	4.54	118	6.1923	6.0697	6.1581	6.2058
CI-Ex319	010YR2 4Hr	739.00	737.85	0.0010	4.41	4.23	118	12.1511	11.9992	12.1173	12.1259
CI-Ex319	1 1/4" 24hr	739.00	734.78	0.0003	0.32	0.32	113	0.2667	0.0001	0.1148	0.1807
CI-Ex319	100YR0 1hr	739.00	738.75	-0.0019	5.88	5.01	118	0.8455	1.0780	0.6722	0.7643
CI-Ex319	100YR0 2hr	739.00	738.98	-0.0021	6.15	5.07	118	1.3856	1.6848	1.1397	1.2246
CI-Ex319	100YR0 3hr	739.00	739.01	-0.0020	6.16	5.06	231	1.8887	2.1996	1.6263	1.7053
CI-Ex319	100YR0 6hr	739.00	739.13	0.0015	6.10	4.99	2892	3.4293	3.0865	3.0877	3.1430
CI-Ex319	100YR1 2hr	739.00	739.09	0.0011	5.67	4.81	2035	6.3711	6.0381	6.0391	6.0660
CI-Ex319	100YR2 4hr	739.00	738.92	0.0010	5.06	4.49	117	12.2593	11.9063	11.9852	12.0602
DS Ex CB	002YR0 1HR	738.91	731.66	0.0004	3.03	0.00	0	3.0002	1.8374	1.6758	0.0000
DS Ex CB	002YR0 2HR	738.91	732.41	0.0005	5.54	0.00	0	6.0013	0.8558	2.3332	0.0000
DS Ex CB	002YR0 3HR	738.91	733.16	0.0007	6.03	0.00	0	9.0002	2.8309	3.1065	0.0000
DS Ex CB	002YR0 6HR	738.91	733.91	0.0007	7.99	1.66	0	12.0005	6.0524	4.2424	11.9996
DS Ex CB	002YR1 2HR	738.91	733.91	0.0011	11.85	0.00	0	12.0007	4.1227	7.4464	0.0000
DS Ex CB	002YR2 4HR	738.91	733.91	0.0012	15.99	3.93	0	12.0000	6.4133	12.8931	11.9302
DS Ex CB	010YR0 1Hr	738.91	731.66	0.0003	11.84	0.00	0	3.0002	2.6355	1.4226	0.0000
DS Ex CB	010YR0 2Hr	738.91	732.41	0.0005	16.57	0.00	0	6.0000	0.7048	2.0537	0.0000
DS Ex CB	010YR0 3Hr	738.91	733.16	0.0005	17.24	0.00	0	9.0000	2.8535	2.5136	0.0000
DS Ex CB	010YR0 6Hr	738.91	733.91	0.0006	22.43	0.54	0	12.0006	10.1551	3.7440	11.9990
DS Ex CB	010YR1 2Hr	738.91	733.91	0.0009	23.83	0.00	0	12.0005	3.1413	7.0067	0.0000
DS Ex	010YR2	738.91	733.91	0.0011	22.70	3.23	0	12.0000	5.5854	12.8930	11.4849

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
CB	4Hr										
DS Ex CB	1 1/4" 24hr	738.91	733.91	0.0001	3.72	3.94	0	12.0000	0.2786	13.4606	12.0003
DS Ex CB	100YR0 1hr	738.91	731.66	0.0002	22.83	0.00	0	3.0001	2.3935	1.4105	0.0000
DS Ex CB	100YR0 2hr	738.91	732.41	0.0005	27.31	0.00	0	6.0002	0.5610	2.1019	0.0000
DS Ex CB	100YR0 3hr	738.91	733.16	0.0005	28.21	0.00	0	9.0006	0.7418	2.5792	0.0000
DS Ex CB	100YR0 6hr	738.91	733.91	-0.0010	32.00	0.00	0	12.0002	21.2360	4.0496	0.0000
DS Ex CB	100YR1 2hr	738.91	733.91	-0.0008	33.78	0.00	0	11.9998	24.2793	7.0049	0.0000
DS Ex CB	100YR2 4hr	738.91	733.91	0.0001	30.58	1.65	0	12.0000	0.2786	13.0418	10.2886
Direct Discharge	002YR0 1HR	0.00	0.00	0.0000	15.19	0.00	0	0.0000	0.0000	0.7500	0.0000
Direct Discharge	002YR0 2HR	0.00	0.00	0.0000	18.16	0.00	0	0.0000	0.0000	1.2333	0.0000
Direct Discharge	002YR0 3HR	0.00	0.00	0.0000	18.71	0.00	0	0.0000	0.0000	1.7333	0.0000
Direct Discharge	002YR0 6HR	0.00	0.00	0.0000	22.57	0.00	0	0.0000	0.0000	3.2000	0.0000
Direct Discharge	002YR1 2HR	0.00	0.00	0.0000	24.96	0.00	0	0.0000	0.0000	6.1667	0.0000
Direct Discharge	002YR2 4HR	0.00	0.00	0.0000	25.18	0.00	0	0.0000	0.0000	12.1167	0.0000
Direct Discharge	010YR0 1Hr	0.00	0.00	0.0000	32.61	0.00	0	0.0000	0.0000	0.7334	0.0000
Direct Discharge	010YR0 2Hr	0.00	0.00	0.0000	37.97	0.00	0	0.0000	0.0000	1.2333	0.0000
Direct Discharge	010YR0 3Hr	0.00	0.00	0.0000	38.58	0.00	0	0.0000	0.0000	1.7167	0.0000
Direct Discharge	010YR0 6Hr	0.00	0.00	0.0000	43.87	0.00	0	0.0000	0.0000	3.1833	0.0000

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Direct Discharge	010YR1 2Hr	0.00	0.00	0.0000	44.63	0.00	0	0.0000	0.0000	6.1500	0.0000
Direct Discharge	010YR2 4Hr	0.00	0.00	0.0000	41.17	0.00	0	0.0000	0.0000	12.1167	0.0000
Direct Discharge	1 1/4" 24hr	0.00	0.00	0.0000	4.94	0.00	0	0.0000	0.0000	12.1334	0.0000
Direct Discharge	100YR0 1hr	0.00	0.00	0.0000	64.66	0.00	0	0.0000	0.0000	0.7333	0.0000
Direct Discharge	100YR0 2hr	0.00	0.00	0.0000	75.51	0.00	0	0.0000	0.0000	1.2167	0.0000
Direct Discharge	100YR0 3hr	0.00	0.00	0.0000	76.97	0.00	0	0.0000	0.0000	1.7167	0.0000
Direct Discharge	100YR0 6hr	0.00	0.00	0.0000	84.94	0.00	0	0.0000	0.0000	3.1833	0.0000
Direct Discharge	100YR1 2hr	0.00	0.00	0.0000	79.33	0.00	0	0.0000	0.0000	6.1500	0.0000
Direct Discharge	100YR2 4hr	0.00	0.00	0.0000	66.01	0.00	0	0.0000	0.0000	12.1166	0.0000
EastFarmField	002YR0 1HR	743.00	737.30	0.0003	6.78	0.00	0	3.0002	1.8357	0.8326	0.0000
EastFarmField	002YR0 2HR	743.00	737.80	0.0003	8.19	0.00	0	6.0013	0.8558	1.3164	0.0000
EastFarmField	002YR0 3HR	743.00	738.30	0.0005	8.51	0.00	0	9.0002	2.8309	1.8034	0.0000
EastFarmField	002YR0 6HR	743.00	738.80	0.0004	10.62	0.03	0	12.0005	6.0472	3.2837	9.3995
EastFarmField	002YR1 2HR	743.00	738.80	0.0007	12.43	0.00	0	12.0007	4.1227	6.2365	0.0000
EastFarmField	002YR2 4HR	743.00	738.80	0.0008	13.55	0.00	0	12.0000	6.4040	12.1863	0.0000
EastFarmField	010YR0 1Hr	743.00	737.30	0.0002	15.49	0.00	0	3.0002	2.6355	0.8179	0.0000
EastFarmField	010YR0 2Hr	743.00	737.80	0.0003	18.38	0.00	0	6.0000	0.7048	1.3035	0.0000
EastFarmField	010YR0 3Hr	743.00	738.30	0.0004	18.84	0.00	0	9.0000	2.8514	1.7972	0.0000

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
EastFar mField	010YR0 6Hr	743.00	738.80	0.0004	22.05	0.03	0	12.0006	10.1526	3.2768	9.3991
EastFar mField	010YR1 2Hr	743.00	738.80	0.0006	23.64	0.00	0	12.0005	3.1413	6.2356	0.0000
EastFar mField	010YR2 4Hr	743.00	738.80	0.0007	23.25	0.00	0	12.0000	5.5854	12.1852	0.0000
EastFar mField	1 1/4" 24hr	743.00	738.80	0.0000	2.01	0.03	0	12.0000	0.2784	12.2186	9.4111
EastFar mField	100YR0 1hr	743.00	737.30	0.0001	32.02	0.00	0	3.0001	2.3914	0.8129	0.0000
EastFar mField	100YR0 2hr	743.00	737.80	0.0003	37.74	0.00	0	6.0002	0.5610	1.3017	0.0000
EastFar mField	100YR0 3hr	743.00	738.30	0.0003	38.86	0.00	0	9.0006	0.7478	1.7915	0.0000
EastFar mField	100YR0 6hr	743.00	738.80	-0.0007	43.46	0.03	0	12.0002	21.2302	3.2767	9.3951
EastFar mField	100YR1 2hr	743.00	738.80	-0.0005	42.13	0.00	0	11.9998	24.2793	6.2358	0.0000
EastFar mField	100YR2 4hr	743.00	738.80	0.0000	37.41	0.00	0	12.0000	0.2784	12.1832	0.0000
Ex Pond A	002YR0 1HR	738.00	735.25	0.0002	11.87	0.82	63909	1.3827	0.8349	0.7666	1.3976
Ex Pond A	002YR0 2HR	738.00	735.35	0.0002	14.84	1.03	64452	2.2655	1.3167	1.2500	2.2780
Ex Pond A	002YR0 3HR	738.00	735.37	0.0002	15.55	1.08	64582	3.2006	1.8048	1.7334	3.2086
Ex Pond A	002YR0 6HR	738.00	735.46	0.0002	20.00	1.27	65087	5.2093	3.2632	3.2166	5.1860
Ex Pond A	002YR1 2HR	738.00	735.53	0.0002	23.58	1.42	65530	8.0059	6.3131	6.1667	8.0184
Ex Pond A	002YR2 4HR	738.00	735.62	0.0003	25.11	1.51	66034	14.0990	12.1998	12.1331	14.1415
Ex Pond A	010YR0 1Hr	738.00	735.63	0.0002	29.84	1.54	66086	1.3921	0.8266	0.7500	1.2705
Ex Pond A	010YR0 2Hr	738.00	735.82	0.0002	36.31	1.85	67181	2.2695	1.3166	1.2333	2.1601
Ex Pond A	010YR0 3Hr	738.00	735.87	0.0002	37.39	1.92	67454	3.2039	1.8027	1.7333	3.1992
Ex Pond A	010YR0 6Hr	738.00	736.04	-0.0002	44.64	2.21	68533	5.2260	10.1526	3.2000	5.2025
Ex Pond A	010YR1 2Hr	738.00	736.15	0.0003	46.98	2.41	69297	8.0121	6.2517	6.1667	7.3177
Ex Pond A	010YR2 4Hr	738.00	736.29	-0.0003	44.70	2.64	70285	13.9484	20.4639	12.1167	14.2591
Ex Pond	1 1/4"	738.00	735.00	0.0000	3.12	0.32	62488	0.0000	12.1503	12.1500	0.1148

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
A	24hr										
Ex Pond A	100YR0 1hr	738.00	736.35	0.0003	64.31	2.68	70696	1.4136	0.7742	0.7333	1.7591
Ex Pond A	100YR0 2hr	738.00	736.79	0.0003	76.75	3.17	73827	2.3173	1.2209	1.2200	3.2076
Ex Pond A	100YR0 3hr	738.00	736.94	0.0003	79.20	3.34	74942	3.2515	1.7963	1.7167	4.1557
Ex Pond A	100YR0 6hr	738.00	737.40	-0.0004	89.37	3.78	78242	6.0661	21.2302	3.1834	7.1476
Ex Pond A	100YR1 2hr	738.00	737.51	-0.0006	85.20	3.84	78968	8.9541	18.1637	6.1500	11.4154
Ex Pond A	100YR2 4hr	738.00	737.53	0.0005	72.54	3.86	79121	14.7110	12.1211	12.1166	17.3235
Ex Pond B	002YR0 1HR	737.00	733.42	0.0006	18.69	3.03	42055	1.6747	0.9404	0.8834	1.6758
Ex Pond B	002YR0 2HR	737.00	733.66	0.0007	22.41	5.54	42941	2.3324	1.4147	1.3625	2.3332
Ex Pond B	002YR0 3HR	737.00	733.70	0.0007	23.37	6.03	43088	3.1047	1.8404	1.8503	3.1065
Ex Pond B	002YR0 6HR	737.00	733.88	0.0005	29.49	7.99	43676	12.0005	3.3943	3.3176	4.2424
Ex Pond B	002YR1 2HR	737.00	734.07	0.0009	35.14	11.85	44350	6.9857	11.6480	6.2709	7.4464
Ex Pond B	002YR2 4HR	737.00	734.72	0.0010	39.53	15.99	46214	12.7090	11.3533	12.2205	12.8931
Ex Pond B	010YR0 1Hr	737.00	734.11	0.0006	42.34	11.84	44532	1.4222	0.8266	0.8466	1.4226
Ex Pond B	010YR0 2Hr	737.00	734.38	-0.0005	50.00	16.57	45403	2.0531	2.4763	1.3258	2.0537
Ex Pond B	010YR0 3Hr	737.00	734.41	-0.0005	51.62	17.24	45503	2.5126	2.8578	1.8161	2.5136
Ex Pond B	010YR0 6Hr	737.00	734.68	0.0006	61.57	22.43	46334	3.8781	10.8664	3.3012	3.7440
Ex Pond B	010YR1 2Hr	737.00	735.01	-0.0009	66.70	23.83	47354	6.8972	7.5101	6.2608	7.0067
Ex Pond B	010YR2 4Hr	737.00	735.77	0.0010	67.10	22.70	50174	12.7976	11.1563	12.1983	12.8930
Ex Pond B	1 1/4" 24hr	737.00	733.79	0.0002	9.82	3.72	43212	12.8664	12.2703	12.2750	13.4606
Ex Pond B	100YR0 1hr	737.00	735.35	0.0007	81.89	22.83	48549	1.4099	0.9871	0.9058	1.4105
Ex Pond B	100YR0 2hr	737.00	736.04	0.0007	93.59	27.31	51261	2.1013	1.5414	1.4000	2.1019
Ex Pond B	100YR0 3hr	737.00	736.19	0.0008	96.71	28.21	51743	2.5785	2.0313	1.8721	2.5792

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Ex Pond B	100YR0 6hr	737.00	736.88	0.0008	109.33	32.00	54818	4.0491	3.4070	3.3696	4.0496
Ex Pond B	100YR1 2hr	737.00	737.13	0.0010	109.39	33.78	55345	6.9993	6.4592	6.2999	7.0049
Ex Pond B	100YR2 4hr	737.00	737.38	0.0008	100.29	30.58	55345	12.9285	12.3941	12.2232	13.0418
Lake 1	002YR0 1HR	748.00	743.31	0.0010	17.09	0.88	24297	1.6203	0.8418	0.8333	1.6166
Lake 1	002YR0 2HR	748.00	743.68	0.0010	19.90	1.03	25354	2.4407	1.3286	1.3167	2.4339
Lake 1	002YR0 3HR	748.00	743.80	0.0010	20.43	1.08	25703	3.3506	1.8394	1.8166	3.3400
Lake 1	002YR0 6HR	748.00	744.19	0.0007	23.97	1.22	26834	6.1705	3.3943	3.2834	6.1597
Lake 1	002YR1 2HR	748.00	744.47	0.0009	26.38	1.49	27669	8.8030	6.3131	6.2500	8.8172
Lake 1	002YR2 4HR	748.00	744.75	0.0009	27.03	2.00	28471	14.0145	12.2349	12.1835	13.9948
Lake 1	010YR0 1Hr	748.00	744.42	0.0008	34.10	1.42	27515	1.6405	0.8266	0.8167	1.6319
Lake 1	010YR0 2Hr	748.00	744.95	0.0006	39.12	2.38	29061	2.3845	1.3166	1.3167	2.3795
Lake 1	010YR0 3Hr	748.00	745.09	0.0005	39.54	2.55	29450	3.2656	1.8027	1.8000	3.2552
Lake 1	010YR0 6Hr	748.00	745.50	0.0006	44.41	3.00	30655	5.1223	3.2810	3.2833	5.0895
Lake 1	010YR1 2Hr	748.00	745.81	0.0007	45.50	3.29	31538	7.7783	6.2517	6.2333	7.7625
Lake 1	010YR2 4Hr	748.00	746.07	-0.0007	43.08	3.51	32318	13.6811	19.5883	12.1834	13.6597
Lake 1	1 1/4" 24hr	748.00	742.64	0.0003	6.09	0.52	22430	14.2892	12.2003	12.2167	14.2436
Lake 1	100YR0 1hr	748.00	746.03	0.0008	64.42	3.48	32205	1.5756	0.9814	0.8167	1.5742
Lake 1	100YR0 2hr	748.00	746.93	0.0008	74.19	4.16	35030	2.3772	1.3346	1.3166	2.3714
Lake 1	100YR0 3hr	748.00	747.19	0.0009	75.61	4.76	37185	3.2361	1.7963	1.8000	3.2324
Lake 1	100YR0 6hr	748.00	747.55	0.0010	82.67	9.05	40784	4.2447	3.2638	3.2667	4.2333
Lake 1	100YR1 2hr	748.00	747.67	0.0010	78.57	10.29	42060	7.1045	6.2300	6.2333	7.0929
Lake 1	100YR2 4hr	748.00	747.64	0.0010	67.74	10.06	41771	13.0092	12.1427	12.1834	13.0092
Lake 2	002YR0	741.00	735.37	0.0003	16.36	0.26	76768	1.7350	0.8349	0.7833	1.7243



Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	1HR										
Lake 2	002YR0 2HR	741.00	735.52	0.0003	19.82	0.45	77647	2.5446	1.3286	1.2667	2.5363
Lake 2	002YR0 3HR	741.00	735.58	0.0003	20.58	0.53	78016	3.4531	2.8309	1.7666	3.4905
Lake 2	002YR0 6HR	741.00	735.78	0.0003	25.63	0.82	79244	6.2942	4.3606	3.2333	6.2672
Lake 2	002YR1 2HR	741.00	735.95	0.0003	29.75	1.01	80272	12.0862	6.3131	6.2000	12.0955
Lake 2	002YR2 4HR	741.00	736.10	0.0003	32.05	1.15	81274	17.7530	12.2349	12.1500	17.7743
Lake 2	010YR0 1Hr	741.00	735.83	0.0003	38.24	0.89	79527	1.6610	0.8266	0.7834	1.6386
Lake 2	010YR0 2Hr	741.00	736.11	0.0002	45.77	1.15	81334	2.4970	1.3166	1.2667	2.4904
Lake 2	010YR0 3Hr	741.00	736.21	0.0004	46.88	1.24	82054	3.4141	2.8514	1.7509	3.4287
Lake 2	010YR0 6Hr	741.00	736.57	0.0003	55.29	1.52	84524	6.2867	4.1688	3.2334	6.2749
Lake 2	010YR1 2Hr	741.00	736.80	0.0003	58.54	1.68	86142	12.0782	6.2517	6.2000	12.0477
Lake 2	010YR2 4Hr	741.00	736.95	0.0003	56.90	1.78	87176	17.7925	12.1894	12.1500	17.7196
Lake 2	1 1/4" 24hr	741.00	735.25	0.0001	4.94	0.12	75995	24.0000	12.1667	12.1667	23.9700
Lake 2	100YR0 1hr	741.00	736.71	0.0003	80.60	1.62	85568	1.6751	0.9871	0.7667	1.6776
Lake 2	100YR0 2hr	741.00	737.28	0.0003	96.13	1.98	89502	2.5122	1.3346	1.2500	2.5053
Lake 2	100YR0 3hr	741.00	737.50	0.0004	99.42	2.09	91061	3.4305	1.7963	1.7500	3.4226
Lake 2	100YR0 6hr	741.00	738.14	0.0005	112.73	2.36	95518	6.3151	3.2638	3.2333	6.2897
Lake 2	100YR1 2hr	741.00	738.38	0.0005	108.70	2.45	97202	12.1496	6.1757	6.1833	12.1305
Lake 2	100YR2 4hr	741.00	738.34	0.0005	94.75	2.43	96882	18.1805	12.1223	12.1500	18.0988
Lake 3	002YR0 1HR	736.00	735.97	-0.0006	9.13	18.65	80832	0.0000	0.4820	0.6500	0.0099
Lake 3	002YR0 2HR	736.00	735.97	-0.0010	10.90	18.65	80832	0.0000	0.8558	1.1499	0.0099
Lake 3	002YR0 3HR	736.00	735.97	-0.0010	11.25	18.65	80832	0.0000	0.8948	1.6333	0.0099
Lake 3	002YR0 6HR	736.00	735.97	-0.0010	13.44	18.65	80832	0.0000	0.8948	3.1167	0.0099

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Lake 3	002YR1 2HR	736.00	735.97	-0.0010	14.65	18.65	80832	0.0000	0.8948	6.0833	0.0099
Lake 3	002YR2 4HR	736.00	735.97	-0.0010	17.42	18.65	80832	0.0000	0.8948	12.7504	0.0099
Lake 3	010YR0 1Hr	736.00	735.97	-0.0005	19.83	18.65	80832	0.0000	2.6449	0.6500	0.0099
Lake 3	010YR0 2Hr	736.00	735.97	-0.0009	23.00	18.65	80832	0.0000	0.7048	1.1334	0.0099
Lake 3	010YR0 3Hr	736.00	735.97	-0.0010	23.27	18.65	80832	0.0000	0.8948	1.6333	0.0099
Lake 3	010YR0 6Hr	736.00	735.97	-0.0010	26.59	18.65	80832	0.0000	0.8948	3.1167	0.0099
Lake 3	010YR1 2Hr	736.00	735.97	-0.0010	29.57	18.65	80832	0.0000	0.8948	6.8166	0.0099
Lake 3	010YR2 4Hr	736.00	735.97	-0.0010	31.59	18.65	80832	0.0000	0.8948	12.7334	0.0099
Lake 3	1 1/4" 24hr	736.00	735.97	-0.0001	2.66	18.65	80832	0.0000	0.2781	12.0667	0.0099
Lake 3	100YR0 1hr	736.00	736.90	0.0002	39.46	18.65	85174	2.1508	1.7574	0.6500	0.0099
Lake 3	100YR0 2hr	736.00	737.39	-0.0009	46.06	18.65	85660	2.9419	0.5610	1.1333	0.0099
Lake 3	100YR0 3hr	736.00	737.47	-0.0010	47.70	18.65	85660	3.6527	0.7418	2.4000	0.0099
Lake 3	100YR0 6hr	736.00	737.80	-0.0010	56.48	18.65	85660	5.5821	0.8948	3.8667	0.0099
Lake 3	100YR1 2hr	736.00	737.54	-0.0010	57.86	18.65	85660	8.5451	0.8948	6.7834	0.0099
Lake 3	100YR2 4hr	736.00	736.76	0.0005	54.90	18.65	84556	14.4783	12.8461	12.7167	0.0099
Lake 4	002YR0 1HR	733.00	730.56	0.0008	58.98	9.26	96735	3.0002	0.8418	0.8245	2.9977
Lake 4	002YR0 2HR	733.00	730.78	0.0009	67.12	14.33	97903	2.3696	0.8558	1.3176	2.3696
Lake 4	002YR0 3HR	733.00	730.87	0.0009	68.32	16.75	98404	3.0942	0.8948	1.7941	3.0914
Lake 4	002YR0 6HR	733.00	731.08	0.0009	76.48	21.59	99559	3.8995	0.8948	3.2752	3.8990
Lake 4	002YR1 2HR	733.00	731.36	0.0009	82.80	27.50	101112	6.7367	0.8948	6.2228	6.7364
Lake 4	002YR2 4HR	733.00	731.47	0.0009	83.37	30.07	101732	12.6236	0.8948	12.1693	12.6239
Lake 4	010YR0 1Hr	733.00	731.04	0.0006	110.66	20.63	99304	1.4766	0.8266	0.7941	1.4766
Lake 4	010YR0	733.00	731.40	0.0008	125.85	28.50	101361	2.1277	0.7048	1.2711	2.1284

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 [ft <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	2Hr										
Lake 4	010YR0 3Hr	733.00	731.50	0.0009	127.29	30.81	101911	2.5409	0.8948	1.7587	2.5403
Lake 4	010YR0 6Hr	733.00	731.87	0.0009	140.18	39.72	103932	3.8531	0.8948	3.2170	3.8523
Lake 4	010YR1 2Hr	733.00	732.10	0.0009	140.59	42.64	105268	6.7516	0.8948	6.1822	6.7522
Lake 4	010YR2 4Hr	733.00	732.16	0.0009	131.52	43.35	105587	12.6357	0.8948	12.1372	12.6366
Lake 4	1 1/4" 24hr	733.00	730.50	0.0001	19.68	8.09	96430	12.7659	12.1995	12.2256	12.7686
Lake 4	100YR0 1hr	733.00	731.93	0.0006	191.04	40.40	104282	1.4480	0.7742	0.7298	1.4468
Lake 4	100YR0 2hr	733.00	732.52	0.0008	206.59	47.61	107577	2.1792	0.5610	1.2117	2.1747
Lake 4	100YR0 3hr	733.00	732.70	0.0008	207.74	48.52	108580	2.7108	0.7418	1.6981	2.7067
Lake 4	100YR0 6hr	733.00	733.28	0.0009	217.49	51.27	111803	4.2014	0.8948	3.1750	4.1864
Lake 4	100YR1 2hr	733.00	733.46	0.0009	207.20	52.07	112765	7.0685	0.8948	6.1382	7.0540
Lake 4	100YR2 4hr	733.00	733.28	0.0006	185.49	51.26	111789	12.9302	12.1211	12.0990	12.9155
Ninevah RdBasin	002YR0 1HR	742.00	739.21	-0.0010	6.79	6.78	351	0.8342	1.8719	0.8262	0.8326
Ninevah RdBasin	002YR0 2HR	742.00	739.31	-0.0009	8.19	8.19	364	1.3173	2.7621	1.3092	1.3164
Ninevah RdBasin	002YR0 3HR	742.00	739.34	-0.0008	8.52	8.51	367	1.8054	3.7015	1.8000	1.8034
Ninevah RdBasin	002YR0 6HR	742.00	739.48	-0.0008	10.62	10.62	383	3.2836	6.3015	3.2722	3.2837
Ninevah RdBasin	002YR1 2HR	742.00	739.59	0.0008	12.44	12.43	397	6.2372	5.3130	6.2332	6.2365
Ninevah RdBasin	002YR2 4HR	742.00	739.66	-0.0009	13.56	13.55	381	12.1861	24.4215	12.1831	12.1863
Ninevah RdBasin	010YR0 1Hr	742.00	739.77	0.0007	15.50	15.49	410	0.8195	0.4964	0.8166	0.8179
Ninevah RdBasin	010YR0 2Hr	742.00	739.94	-0.0007	18.40	18.38	421	1.3047	2.4518	1.3000	1.3035
Ninevah RdBasin	010YR0 3Hr	742.00	739.96	-0.0008	18.87	18.84	423	1.7994	3.2715	1.7840	1.7972
Ninevah RdBasin	010YR0 6Hr	742.00	740.14	0.0009	22.07	22.05	451	3.2781	2.4061	3.2666	3.2768
Ninevah RdBasin	010YR1 2Hr	742.00	740.23	0.0009	23.66	23.64	454	6.2360	4.4593	6.2333	6.2356

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Ninevah RdBasin	010YR2 4Hr	742.00	740.20	-0.0010	23.27	23.25	420	12.1856	24.3632	12.1832	12.1852
Ninevah RdBasin	1 1/4" 24hr	742.00	738.85	-0.0002	2.00	2.01	316	12.1920	16.5017	12.2167	12.2186
Ninevah RdBasin	100YR0 1hr	742.00	740.67	0.0005	32.04	32.02	455	0.8146	0.4965	0.8020	0.8129
Ninevah RdBasin	100YR0 2hr	742.00	740.98	0.0005	37.76	37.74	455	1.3013	0.8005	1.3000	1.3017
Ninevah RdBasin	100YR0 3hr	742.00	741.04	0.0007	38.91	38.86	455	1.7919	1.0960	1.7833	1.7915
Ninevah RdBasin	100YR0 6hr	742.00	741.29	0.0008	43.59	43.46	941	3.2762	1.8196	3.2667	3.2767
Ninevah RdBasin	100YR1 2hr	742.00	741.22	0.0009	42.19	42.13	779	6.2365	3.3467	6.2270	6.2358
Ninevah RdBasin	100YR2 4hr	742.00	740.96	-0.0008	37.41	37.41	421	12.1836	12.3987	12.1820	12.1832
Outlet 4	002YR0 1HR	725.00	725.00	0.0000	9.26	0.00	0	0.0000	0.0000	2.9977	0.0000
Outlet 4	002YR0 2HR	725.00	725.00	0.0000	14.32	0.00	0	0.0000	0.0000	2.4068	0.0000
Outlet 4	002YR0 3HR	725.00	725.00	0.0000	16.75	0.00	0	0.0000	0.0000	3.1032	0.0000
Outlet 4	002YR0 6HR	725.00	725.00	0.0000	21.59	0.00	0	0.0000	0.0000	3.9291	0.0000
Outlet 4	002YR1 2HR	725.00	725.00	0.0000	27.55	0.00	0	0.0000	0.0000	6.7379	0.0000
Outlet 4	002YR2 4HR	725.00	725.00	0.0000	30.07	0.00	0	0.0000	0.0000	12.6425	0.0000
Outlet 4	010YR0 1Hr	725.00	725.00	0.0000	20.62	0.00	0	0.0000	0.0000	1.5034	0.0000
Outlet 4	010YR0 2Hr	725.00	725.00	0.0000	28.50	0.00	0	0.0000	0.0000	2.1550	0.0000
Outlet 4	010YR0 3Hr	725.00	725.00	0.0000	30.81	0.00	0	0.0000	0.0000	2.5628	0.0000
Outlet 4	010YR0 6Hr	725.00	725.00	0.0000	39.72	0.00	0	0.0000	0.0000	3.8594	0.0000
Outlet 4	010YR1 2Hr	725.00	725.00	0.0000	42.64	0.00	0	0.0000	0.0000	6.7600	0.0000
Outlet 4	010YR2 4Hr	725.00	725.00	0.0000	43.35	0.00	0	0.0000	0.0000	12.6542	0.0000
Outlet 4	1 1/4" 24hr	725.00	725.00	0.0000	8.09	0.00	0	0.0000	0.0000	12.7797	0.0000
Outlet 4	100YR0 1hr	725.00	725.00	0.0000	40.40	0.00	0	0.0000	0.0000	1.4551	0.0000
Outlet 4	100YR0	725.00	725.00	0.0000	47.61	0.00	0	0.0000	0.0000	2.1939	0.0000

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	2hr										
Outlet 4	100YR0 3hr	725.00	725.00	0.0000	48.52	0.00	0	0.0000	0.0000	2.7300	0.0000
Outlet 4	100YR0 6hr	725.00	725.00	0.0000	51.27	0.00	0	0.0000	0.0000	4.2389	0.0000
Outlet 4	100YR1 2hr	725.00	725.00	0.0000	52.07	0.00	0	0.0000	0.0000	7.0980	0.0000
Outlet 4	100YR2 4hr	725.00	725.00	0.0000	51.26	0.00	0	0.0000	0.0000	12.9222	0.0000
Outlet1	002YR0 1HR	746.34	740.61	-0.0004	1.24	1.24	389	0.9420	1.6758	0.9165	0.9426
Outlet1	002YR0 2HR	746.34	740.68	-0.0004	1.59	1.58	407	1.4039	2.4802	1.3814	1.4046
Outlet1	002YR0 3HR	746.34	740.70	-0.0005	1.69	1.68	412	1.8920	3.3609	1.8668	1.8920
Outlet1	002YR0 6HR	746.34	740.82	-0.0005	2.35	2.34	434	3.3563	6.2726	3.3410	3.3563
Outlet1	002YR1 2HR	746.34	740.94	-0.0005	3.09	3.08	450	6.2972	12.3898	6.2805	6.2972
Outlet1	002YR2 4HR	746.34	741.04	0.0008	3.80	3.79	459	12.2246	11.3533	12.2047	12.2246
Outlet1	010YR0 1Hr	746.34	741.02	-0.0005	3.67	3.66	458	0.8899	1.7001	0.8712	0.8903
Outlet1	010YR0 2Hr	746.34	741.14	-0.0006	4.56	4.54	464	1.3712	2.4518	1.3500	1.3717
Outlet1	010YR0 3Hr	746.34	741.17	-0.0006	4.78	4.77	465	1.8584	3.3181	1.8449	1.8584
Outlet1	010YR0 6Hr	746.34	741.33	-0.0005	6.10	6.09	466	3.3436	6.3293	3.3332	3.3436
Outlet1	010YR1 2Hr	746.34	741.43	0.0007	7.00	6.99	466	6.2901	5.4675	6.2794	6.2901
Outlet1	010YR2 4Hr	746.34	741.47	0.0007	7.36	7.35	466	12.2364	10.0690	12.2167	12.2364
Outlet1	1 1/4" 24hr	746.34	740.29	0.0003	0.21	0.21	260	12.3778	12.1609	12.3336	12.3781
Outlet1	100YR0 1hr	746.34	741.63	0.0003	8.87	8.86	466	0.9022	0.6155	0.8894	0.9023
Outlet1	100YR0 2hr	746.34	741.81	0.0004	10.66	10.65	466	1.4006	1.0610	1.3885	1.4006
Outlet1	100YR0 3hr	746.34	741.85	-0.0004	11.15	11.15	466	1.8906	3.2587	1.8830	1.8907
Outlet1	100YR0 6hr	746.34	742.00	0.0007	12.83	12.82	466	3.3704	2.5690	3.3659	3.3704
Outlet1	100YR1 2hr	746.34	742.01	0.0008	12.91	12.90	466	6.3290	4.5045	6.3166	6.3291

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Outlet1	100YR2 4hr	746.34	741.94	-0.0004	12.10	12.10	466	12.2684	12.6077	12.2627	12.2685
Outlet2	002YR0 1HR	738.50	736.92	0.0002	1.49	1.44	1500	0.9179	0.5182	0.7667	0.9179
Outlet2	002YR0 2HR	738.50	736.97	0.0002	1.98	1.85	1641	1.3389	1.0077	1.2434	1.3395
Outlet2	002YR0 3HR	738.50	736.99	0.0003	2.12	1.97	1687	1.8279	1.5039	1.7334	1.8285
Outlet2	002YR0 6HR	738.50	737.08	0.0003	3.04	2.77	2571	3.2921	3.0179	3.2080	3.2923
Outlet2	002YR1 2HR	738.50	737.17	0.0004	4.16	3.70	3562	6.2494	5.7560	6.1667	6.2497
Outlet2	002YR2 4HR	738.50	737.25	0.0004	5.13	4.56	4385	12.1980	11.4334	12.1166	12.1982
Outlet2	010YR0 1Hr	738.50	737.21	0.0003	4.66	4.10	3921	0.8404	0.5044	0.7334	0.8405
Outlet2	010YR0 2Hr	738.50	737.29	0.0003	5.95	5.05	4769	1.3231	1.0012	1.2268	1.3231
Outlet2	010YR0 3Hr	738.50	737.31	0.0003	6.27	5.30	4969	1.8143	1.5248	1.7167	1.8144
Outlet2	010YR0 6Hr	738.50	737.42	0.0003	8.20	6.74	6096	3.2851	2.7847	3.1851	3.2851
Outlet2	010YR1 2Hr	738.50	737.49	0.0006	9.37	7.74	6809	6.2435	5.0575	6.1500	6.2436
Outlet2	010YR2 4Hr	738.50	737.51	0.0003	9.46	8.09	7036	12.1953	10.1650	12.1000	12.1953
Outlet2	1 1/4" 24hr	738.50	736.76	0.0002	0.57	0.57	1130	13.9639	12.0595	13.8820	13.9647
Outlet2	100YR0 1hr	738.50	737.59	0.0003	11.93	9.36	7853	0.8312	0.5202	0.7183	0.8313
Outlet2	100YR0 2hr	738.50	737.73	0.0003	15.16	11.39	9267	1.3219	1.0241	1.2080	1.3220
Outlet2	100YR0 3hr	738.50	737.76	0.0003	16.07	12.06	9652	1.8117	1.5191	1.7000	1.8118
Outlet2	100YR0 6hr	738.50	737.89	0.0003	19.37	14.52	10954	3.2873	2.6703	3.1678	3.2874
Outlet2	100YR1 2hr	738.50	737.91	0.0004	18.94	14.80	11078	6.2546	5.2987	6.1333	6.2546
Outlet2	100YR2 4hr	738.50	737.86	-0.0003	16.87	14.00	10563	12.2124	12.3980	12.1031	12.3643
PR403	002YR0 1HR	748.89	741.45	-0.0003	0.85	0.85	356	0.7350	1.5114	0.8758	0.8966
PR403	002YR0 2HR	748.89	741.49	-0.0004	1.10	1.09	373	1.3543	2.4223	1.3409	1.3600
PR403	002YR0	748.89	741.50	-0.0005	1.17	1.16	378	1.8467	3.3367	1.8363	1.8505

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	3HR										
PR403	002YR0 6HR	748.89	741.58	0.0005	1.62	1.62	400	3.3134	3.0330	3.3030	3.3164
PR403	002YR1 2HR	748.89	741.66	0.0007	2.15	2.15	418	6.2454	5.9152	6.2272	6.2464
PR403	002YR2 4HR	748.89	741.73	0.0010	2.66	2.65	431	12.1882	11.2971	12.1700	12.1868
PR403	010YR0 1Hr	748.89	741.71	-0.0004	2.54	2.53	428	0.8563	1.6826	0.8386	0.8552
PR403	010YR0 2Hr	748.89	741.79	0.0004	3.16	3.15	440	1.3388	1.0527	1.3202	1.3365
PR403	010YR0 3Hr	748.89	741.82	0.0005	3.31	3.30	442	1.8290	1.5379	1.8079	1.8252
PR403	010YR0 6Hr	748.89	741.93	0.0006	4.20	4.19	448	3.3258	2.9293	3.3047	3.3225
PR403	010YR1 2Hr	748.89	742.02	0.0010	4.84	4.82	449	6.2720	5.3965	6.2488	6.2665
PR403	010YR2 4Hr	748.89	742.05	0.0010	5.10	5.08	449	12.2198	9.9049	12.1967	12.2114
PR403	1 1/4" 24hr	748.89	741.27	0.0005	0.14	0.15	252	12.2606	12.1068	12.3034	12.3272
PR403	100YR0 1hr	748.89	742.19	0.0004	6.05	6.04	449	0.8982	0.5340	0.8783	0.8982
PR403	100YR0 2hr	748.89	742.37	0.0005	7.16	7.16	449	1.4119	1.0196	1.4009	1.4207
PR403	100YR0 3hr	748.89	742.42	0.0007	7.45	7.46	450	1.9069	1.4281	1.9004	1.9193
PR403	100YR0 6hr	748.89	742.61	0.0010	8.43	8.45	450	3.3941	2.4616	3.4033	3.4321
PR403	100YR1 2hr	748.89	742.62	0.0010	8.48	8.51	450	6.3500	4.3919	6.3596	6.3740
PR403	100YR2 4hr	748.89	742.53	-0.0005	8.04	8.05	450	12.2875	12.6342	12.2891	12.3083
PR405	002YR0 1HR	752.00	747.53	0.0004	0.85	0.85	113	0.8749	0.5698	0.8668	0.8758
PR405	002YR0 2HR	752.00	747.59	0.0005	1.10	1.10	113	1.3395	1.0641	1.3335	1.3409
PR405	002YR0 3HR	752.00	747.61	0.0006	1.17	1.17	113	1.8360	1.5495	1.8332	1.8363
PR405	002YR0 6HR	752.00	747.70	0.0008	1.62	1.62	114	3.3015	3.0094	3.2999	3.3030
PR405	002YR1 2HR	752.00	747.80	0.0010	2.15	2.15	127	6.2262	5.8611	6.2167	6.2272
PR405	002YR2 4HR	752.00	747.89	0.0010	2.66	2.66	138	12.1693	11.1388	12.1667	12.1700

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
PR405	010YR0 1Hr	752.00	747.87	0.0006	2.55	2.54	136	0.8377	0.5455	0.8333	0.8386
PR405	010YR0 2Hr	752.00	747.96	0.0009	3.16	3.16	145	1.3195	1.0278	1.3167	1.3202
PR405	010YR0 3Hr	752.00	747.98	0.0009	3.31	3.31	147	1.8073	1.5185	1.8000	1.8079
PR405	010YR0 6Hr	752.00	748.48	0.0008	4.25	4.20	234	3.3041	2.8686	3.2666	3.3047
PR405	010YR1 2Hr	752.00	748.76	0.0010	4.92	4.84	296	6.2482	5.2788	6.2000	6.2488
PR405	010YR2 4Hr	752.00	748.88	0.0010	5.19	5.10	323	12.1963	9.7608	12.1500	12.1967
PR405	1 1/4" 24hr	752.00	747.28	0.0007	0.14	0.14	113	12.3028	12.0536	12.2834	12.3034
PR405	100YR0 1hr	752.00	749.40	-0.0010	6.28	6.05	628	0.8778	1.0407	0.8167	0.8783
PR405	100YR0 2hr	752.00	750.11	-0.0010	7.90	7.16	1097	1.4006	1.5912	1.2834	1.4009
PR405	100YR0 3hr	752.00	750.32	-0.0010	8.39	7.45	1195	1.8996	2.0847	1.7833	1.9004
PR405	100YR0 6hr	752.00	751.08	-0.0010	10.18	8.43	1567	3.4024	3.5421	3.2333	3.4033
PR405	100YR1 2hr	752.00	751.12	-0.0010	10.37	8.48	1597	6.3581	6.7309	6.2000	6.3596
PR405	100YR2 4hr	752.00	750.76	-0.0010	9.48	8.04	1401	12.2863	12.5549	12.1500	12.2891
STR 461	002YR0 1HR	741.20	734.96	0.0003	0.26	0.26	331	1.8181	0.8349	1.7529	1.8181
STR 461	002YR0 2HR	741.20	735.05	0.0005	0.45	0.45	336	2.6211	1.3005	2.5520	2.6211
STR 461	002YR0 3HR	741.20	735.08	0.0005	0.53	0.53	337	3.4343	1.7805	3.4905	3.4912
STR 461	002YR0 6HR	741.20	735.18	0.0006	0.82	0.82	339	6.2926	3.2295	6.2672	6.3268
STR 461	002YR1 2HR	741.20	735.33	0.0006	1.01	1.01	339	6.2786	6.1641	12.1321	12.1938
STR 461	002YR2 4HR	741.20	735.46	0.0005	1.15	1.15	339	12.2447	12.0760	17.7743	17.7019
STR 461	010YR0 1Hr	741.20	736.20	0.0008	1.61	1.32	339	0.9037	0.8266	0.8399	0.8866
STR 461	010YR0 2Hr	741.20	736.88	0.0009	2.23	1.76	339	1.4039	1.3146	1.3185	1.3889
STR 461	010YR0 3Hr	741.20	736.97	-0.0008	2.29	1.80	339	1.8959	2.0308	1.8083	1.8809
STR 461	010YR0	741.20	737.58	0.0009	2.71	2.04	337	3.4184	3.2652	3.2616	3.3736



Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	6Hr										
STR 461	010YR1 2Hr	741.20	737.68	0.0010	2.69	2.01	338	6.3887	6.2187	6.2089	6.3265
STR 461	010YR2 4Hr	741.20	737.64	0.0010	2.47	1.88	350	12.3150	12.1833	12.1700	12.2672
STR 461	1 1/4" 24hr	741.20	734.87	0.0000	0.12	0.12	347	24.0000	12.4714	23.9700	23.9734
STR 461	100YR0 1hr	741.20	738.14	-0.0010	3.10	2.18	336	1.1824	1.4893	0.7261	0.8519
STR 461	100YR0 2hr	741.20	738.33	-0.0010	3.20	2.26	336	1.8087	2.2339	1.1951	2.2094
STR 461	100YR0 3hr	741.20	738.37	0.0010	3.19	2.28	336	2.3131	1.6857	1.6829	2.7250
STR 461	100YR0 6hr	741.20	738.55	0.0010	3.15	2.49	338	3.8955	3.1744	3.1501	4.3721
STR 461	100YR1 2hr	741.20	738.57	-0.0010	2.95	2.54	346	6.8172	7.3115	6.1032	7.2967
STR 461	100YR2 4hr	741.20	738.50	0.0010	2.65	2.51	351	12.6149	12.0908	12.0359	13.0529
STR 462	002YR0 1HR	739.19	734.88	-0.0005	0.59	0.26	351	0.7736	0.9330	0.6936	1.8859
STR 462	002YR0 2HR	739.19	734.98	-0.0006	0.72	0.45	352	1.2635	1.4147	1.1738	2.6550
STR 462	002YR0 3HR	739.19	735.00	0.0005	0.73	0.53	352	1.7559	1.6641	1.6621	3.5658
STR 462	002YR0 6HR	739.19	735.16	0.0006	0.83	0.82	353	3.2707	3.1236	3.1280	6.3852
STR 462	002YR1 2HR	739.19	735.32	0.0006	1.01	1.01	353	6.2753	6.0548	12.1938	12.3190
STR 462	002YR2 4HR	739.19	735.45	-0.0006	1.15	1.16	353	12.2342	12.3476	17.7019	12.3594
STR 462	010YR0 1Hr	739.19	736.39	0.0010	2.09	1.61	353	0.8827	0.8208	0.8111	0.8399
STR 462	010YR0 2Hr	739.19	737.23	0.0010	3.04	2.23	353	1.3769	1.2928	1.2860	1.3185
STR 462	010YR0 3Hr	739.19	737.33	0.0009	3.14	2.29	353	1.8685	1.7814	1.7740	1.8083
STR 462	010YR0 6Hr	739.19	738.01	0.0010	3.89	2.71	352	3.3813	3.2593	3.2408	3.2616
STR 462	010YR1 2Hr	739.19	738.09	0.0010	3.96	2.69	353	6.3474	6.2031	6.1960	6.2089
STR 462	010YR2 4Hr	739.19	738.01	0.0010	3.48	2.47	353	12.2809	12.1548	12.1435	12.1700
STR 462	1 1/4" 24hr	739.19	734.46	0.0003	0.12	0.12	333	24.0000	12.0984	23.9734	23.9953

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
STR 462	100YR0 1hr	739.19	738.54	-0.0010	5.16	3.26	349	1.1038	1.4458	0.7011	1.4408
STR 462	100YR0 2hr	739.19	738.67	-0.0010	5.46	3.27	350	1.6753	2.1807	1.1651	2.1664
STR 462	100YR0 3hr	739.19	738.69	0.0010	5.49	3.26	350	2.1657	1.6789	1.6520	2.6827
STR 462	100YR0 6hr	739.19	738.79	-0.0010	5.49	3.44	353	3.6955	4.3641	3.1139	4.3314
STR 462	100YR1 2hr	739.19	738.79	-0.0010	5.07	3.46	353	6.6534	7.2891	6.0698	7.2560
STR 462	100YR2 4hr	739.19	738.72	-0.0010	4.38	3.39	353	12.4952	13.0414	12.0121	13.0121
STR 463	002YR0 1HR	738.80	734.88	-0.0006	1.71	1.53	314	0.7725	0.9330	0.6833	0.6903
STR 463	002YR0 2HR	738.80	734.99	-0.0006	1.94	1.70	314	1.2621	1.4150	1.1667	1.1727
STR 463	002YR0 3HR	738.80	735.01	-0.0005	1.94	1.70	314	1.7536	1.8423	1.6667	1.6620
STR 463	002YR0 6HR	738.80	735.15	-0.0005	2.17	1.81	314	3.2617	3.4333	3.1333	3.1311
STR 463	002YR1 2HR	738.80	735.32	-0.0006	2.19	1.85	314	6.2737	6.4068	6.1000	6.1342
STR 463	002YR2 4HR	738.80	735.45	-0.0006	1.99	2.03	314	12.2324	12.3479	12.0667	12.3483
STR 463	010YR0 1Hr	738.80	736.48	-0.0009	3.20	2.57	314	0.8681	1.0384	0.6667	0.6750
STR 463	010YR0 2Hr	738.80	737.40	-0.0010	4.10	3.04	314	1.3562	1.5865	1.2648	1.2860
STR 463	010YR0 3Hr	738.80	737.52	-0.0010	4.25	3.14	314	1.8474	2.0762	1.7515	1.7740
STR 463	010YR0 6Hr	738.80	738.20	-0.0010	5.36	3.89	314	3.3493	3.6146	3.2151	3.2408
STR 463	010YR1 2Hr	738.80	738.27	-0.0010	5.47	3.96	314	6.3158	6.5961	6.1686	6.1960
STR 463	010YR2 4Hr	738.80	738.17	-0.0010	4.74	3.57	314	12.2509	12.5180	12.1168	12.5134
STR 463	1 1/4" 24hr	738.80	734.45	0.0002	0.55	0.52	309	12.1209	11.9089	12.0834	12.1037
STR 463	100YR0 1hr	738.80	738.70	0.0011	8.26	5.40	314	1.0386	0.6987	0.6988	1.3980
STR 463	100YR0 2hr	738.80	738.82	0.0013	9.15	5.46	1085	1.2977	1.1623	1.1624	1.1651
STR 463	100YR0 3hr	738.80	738.84	0.0014	9.29	5.49	1955	1.8044	1.6490	1.6491	1.6520
STR 463	100YR0	738.80	738.91	0.0015	9.56	5.78	5146	3.3387	3.1105	3.1107	3.1582

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	6hr										
STR 463	100YR1 2hr	738.80	738.90	0.0013	8.61	5.23	4399	6.2919	6.0664	6.0666	6.1244
STR 463	100YR2 4hr	738.80	738.82	-0.0010	6.92	5.09	1294	12.2083	12.9959	12.0095	12.9419
STR 464	002YR0 1HR	738.80	734.86	-0.0006	2.36	2.26	457	0.7742	0.9330	0.7439	0.7738
STR 464	002YR0 2HR	738.80	734.97	-0.0006	2.61	2.47	457	1.2639	1.4150	1.2182	1.2614
STR 464	002YR0 3HR	738.80	734.99	0.0005	2.63	2.48	457	1.7550	1.5434	1.7108	1.7529
STR 464	002YR0 6HR	738.80	735.14	-0.0006	2.80	2.67	457	3.2357	3.4333	3.1774	3.2812
STR 464	002YR1 2HR	738.80	735.31	-0.0006	2.82	2.82	457	6.2712	6.4062	6.1333	6.3702
STR 464	002YR2 4HR	738.80	735.44	-0.0007	2.93	3.11	457	12.2308	12.3463	12.1239	12.3288
STR 464	010YR0 1Hr	738.80	736.49	-0.0009	3.56	3.65	457	0.8672	1.0384	0.6901	1.0357
STR 464	010YR0 2Hr	738.80	737.41	-0.0010	3.65	4.13	457	1.3548	1.5865	1.1650	1.5838
STR 464	010YR0 3Hr	738.80	737.52	-0.0010	3.57	4.22	457	1.8455	2.0651	1.6513	2.0785
STR 464	010YR0 6Hr	738.80	738.21	-0.0010	4.00	4.71	457	3.3454	3.5908	3.2193	3.6095
STR 464	010YR1 2Hr	738.80	738.27	-0.0010	4.06	4.92	457	6.3130	6.5872	6.1718	6.5881
STR 464	010YR2 4Hr	738.80	738.17	-0.0010	4.07	4.99	457	12.2515	12.5107	12.5131	12.5107
STR 464	1 1/4" 24hr	738.80	734.40	0.0003	0.86	0.83	436	12.1372	11.9475	12.1001	12.1417
STR 464	100YR0 1hr	738.80	738.71	-0.0013	6.07	8.30	456	1.0424	1.3682	0.6985	1.3798
STR 464	100YR0 2hr	738.80	738.82	0.0014	6.72	7.92	1142	1.5673	1.1621	1.1621	2.0847
STR 464	100YR0 3hr	738.80	738.84	0.0014	6.99	7.90	1859	2.0472	1.6487	1.6487	2.6024
STR 464	100YR0 6hr	738.80	738.91	0.0015	7.39	7.81	5110	3.5673	3.1103	3.1103	4.2437
STR 464	100YR1 2hr	738.80	738.89	0.0013	6.78	7.65	4298	6.5219	6.0662	6.0662	7.1623
STR 464	100YR2 4hr	738.80	738.82	-0.0010	5.47	7.53	1148	12.2129	12.9209	12.9403	12.9138
STR 465	002YR0 1HR	738.00	734.75	-0.0007	5.62	5.48	613	0.7744	0.9408	0.7464	0.7645

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
STR 465	002YR0 2HR	738.00	734.88	-0.0008	6.52	6.31	613	1.2643	1.4150	1.2283	1.2500
STR 465	002YR0 3HR	738.00	734.90	0.0007	6.67	6.45	613	1.7550	1.5434	1.7166	1.7390
STR 465	002YR0 6HR	738.00	735.08	-0.0007	7.68	7.38	613	3.2374	3.4335	3.1834	3.2079
STR 465	002YR1 2HR	738.00	735.27	-0.0007	8.19	7.82	613	6.2692	6.4062	6.1500	6.1639
STR 465	002YR2 4HR	738.00	735.40	-0.0008	8.23	7.82	613	12.2261	12.3468	12.1167	12.1209
STR 465	010YR0 1Hr	738.00	736.48	-0.0010	10.33	9.63	613	0.8648	1.0109	0.7032	0.7186
STR 465	010YR0 2Hr	738.00	737.40	-0.0010	11.17	10.29	613	1.3543	1.5570	1.1767	1.2009
STR 465	010YR0 3Hr	738.00	737.52	-0.0010	11.17	10.25	613	1.8451	2.0583	1.6649	1.6877
STR 465	010YR0 6Hr	738.00	738.20	-0.0013	11.85	10.60	9015	3.3465	3.4355	3.1472	3.1456
STR 465	010YR1 2Hr	738.00	738.27	-0.0018	11.33	10.80	11815	6.3143	6.4277	6.0963	6.4234
STR 465	010YR2 4Hr	738.00	738.17	-0.0011	10.22	9.18	7569	12.2516	12.3278	12.0129	12.0163
STR 465	1 1/4" 24hr	738.00	734.23	0.0006	1.92	1.92	582	12.1361	11.9886	12.1206	12.1492
STR 465	100YR0 1hr	738.00	738.71	-0.0050	22.56	18.40	30917	1.0660	1.3626	0.7338	1.3204
STR 465	100YR0 2hr	738.00	738.82	-0.0044	27.02	18.00	35724	1.5911	2.0673	1.1915	2.0048
STR 465	100YR0 3hr	738.00	738.84	-0.0044	27.34	17.97	36429	2.0716	2.5851	1.6784	2.5141
STR 465	100YR0 6hr	738.00	738.91	-0.0042	29.27	17.88	39640	3.5771	4.2271	3.1424	4.1130
STR 465	100YR1 2hr	738.00	738.89	-0.0040	26.84	17.39	38816	6.5330	7.1459	6.1020	7.0331
STR 465	100YR2 4hr	738.00	738.82	-0.0039	21.72	17.06	35594	12.4327	12.8971	12.0573	12.8117
STR 466	002YR0 1HR	738.38	734.47	-0.0008	6.21	6.07	485	0.7922	0.9408	0.7585	0.7780
STR 466	002YR0 2HR	738.38	734.62	-0.0008	7.18	7.01	485	1.2829	1.4150	1.2444	1.2615
STR 466	002YR0 3HR	738.38	734.64	-0.0008	7.34	7.16	485	1.7749	3.1943	1.7336	1.7512
STR 466	002YR0 6HR	738.38	734.87	-0.0007	8.44	8.17	485	3.2965	3.4340	3.2034	3.2151
STR 466	002YR1	738.38	735.13	-0.0008	8.97	8.60	485	6.2770	6.4079	6.1606	6.1671

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	2HR										
STR 466	002YR2 4HR	738.38	735.25	-0.0008	8.94	8.51	485	12.2279	12.3479	12.1187	12.1195
STR 466	010YR0 1Hr	738.38	736.36	-0.0010	11.21	10.68	485	0.8619	0.9983	0.7185	0.7260
STR 466	010YR0 2Hr	738.38	737.28	-0.0010	12.11	11.29	485	1.3504	1.5298	1.2006	1.1977
STR 466	010YR0 3Hr	738.38	737.39	-0.0010	12.07	11.22	485	1.8414	2.0308	1.6878	1.6735
STR 466	010YR0 6Hr	738.38	738.11	-0.0010	12.60	11.44	485	3.3101	3.4999	3.1461	3.1422
STR 466	010YR1 2Hr	738.38	738.19	-0.0010	11.94	12.12	485	6.2711	6.5565	6.0943	6.4262
STR 466	010YR2 4Hr	738.38	738.03	-0.0010	10.76	10.52	485	12.2213	12.4086	12.0163	12.3270
STR 466	1 1/4" 24hr	738.38	733.84	0.0007	2.17	2.13	467	12.1728	11.9922	12.1450	12.1684
STR 466	100YR0 1hr	738.38	738.66	-0.0026	18.29	18.76	12206	1.0375	1.1836	1.3403	1.3410
STR 466	100YR0 2hr	738.38	738.76	-0.0030	18.32	19.29	16829	1.6085	1.8333	2.0032	1.8237
STR 466	100YR0 3hr	738.38	738.78	-0.0030	18.28	19.51	17458	2.1062	2.3447	2.5109	2.3337
STR 466	100YR0 6hr	738.38	738.84	-0.0030	18.16	20.15	20293	3.6457	3.9540	4.1112	3.9347
STR 466	100YR1 2hr	738.38	738.82	-0.0027	17.69	19.33	19300	6.5831	6.8661	7.0299	6.8474
STR 466	100YR2 4hr	738.38	738.74	-0.0026	17.40	18.19	15894	12.4433	12.6391	12.8083	12.6286
STR 467	002YR0 1HR	738.38	734.34	-0.0008	6.33	6.22	504	0.8025	0.9408	0.7734	0.7906
STR 467	002YR0 2HR	738.38	734.48	-0.0008	7.31	7.14	504	1.2984	1.4150	1.2569	1.2704
STR 467	002YR0 3HR	738.38	734.51	-0.0007	7.48	7.30	504	1.7930	3.2789	1.7447	1.7588
STR 467	002YR0 6HR	738.38	734.77	0.0008	8.57	8.22	504	3.3071	2.8929	3.2090	3.2163
STR 467	002YR1 2HR	738.38	735.06	-0.0008	9.10	8.61	504	6.2786	6.4079	6.1594	6.1631
STR 467	002YR2 4HR	738.38	735.17	-0.0008	9.08	8.55	504	12.2275	12.3479	12.1096	12.1088
STR 467	010YR0 1Hr	738.38	736.30	-0.0010	11.36	10.45	504	0.8598	0.9983	0.7251	0.7245
STR 467	010YR0 2Hr	738.38	737.21	0.0010	12.27	11.18	504	1.3479	1.2792	1.1851	1.1891

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
STR 467	010YR0 3Hr	738.38	737.32	-0.0010	12.27	11.11	504	1.8388	2.0424	1.6730	1.6759
STR 467	010YR0 6Hr	738.38	738.07	0.0010	12.77	11.79	504	3.3044	3.2146	3.1400	3.4359
STR 467	010YR1 2Hr	738.38	738.15	-0.0010	12.43	13.07	504	6.2642	6.5539	6.0808	6.4280
STR 467	010YR2 4Hr	738.38	737.96	0.0010	11.28	11.45	503	12.2166	12.1010	12.0164	12.3284
STR 467	1 1/4" 24hr	738.38	733.71	0.0007	2.21	2.18	483	12.1886	12.0178	12.1611	12.1870
STR 467	100YR0 1hr	738.38	738.63	-0.0016	18.77	19.25	11022	1.0020	1.1500	1.3409	1.3360
STR 467	100YR0 2hr	738.38	738.73	-0.0021	19.50	20.48	15563	1.5718	1.7825	1.8236	1.7759
STR 467	100YR0 3hr	738.38	738.75	-0.0021	19.72	20.84	16171	2.0720	2.2913	2.3334	2.2835
STR 467	100YR0 6hr	738.38	738.81	-0.0021	20.34	21.80	18892	3.6106	3.8867	3.9346	3.8718
STR 467	100YR1 2hr	738.38	738.78	-0.0018	19.53	20.78	17796	6.5429	6.7999	6.8472	6.7860
STR 467	100YR2 4hr	738.38	738.70	-0.0017	18.40	19.08	14272	12.4032	12.5869	12.6286	12.5806
STR 468	002YR0 1HR	738.55	734.17	-0.0008	7.93	7.81	545	0.8140	0.9408	0.7833	0.7953
STR 468	002YR0 2HR	738.55	734.34	-0.0008	9.13	8.91	545	1.3179	1.4150	1.2638	1.2725
STR 468	002YR0 3HR	738.55	734.37	-0.0007	9.33	9.08	545	1.8136	3.2789	1.7516	1.7604
STR 468	002YR0 6HR	738.55	734.69	-0.0008	10.61	10.12	545	3.3118	3.4340	3.2152	3.2177
STR 468	002YR1 2HR	738.55	734.99	-0.0009	11.17	10.49	545	6.2773	6.3380	6.1639	6.1638
STR 468	002YR2 4HR	738.55	735.10	-0.0009	11.05	10.32	545	12.2261	12.3479	12.1103	12.1083
STR 468	010YR0 1Hr	738.55	736.24	-0.0010	13.90	12.71	544	0.8570	0.9878	0.7253	0.7195
STR 468	010YR0 2Hr	738.55	737.15	0.0010	14.95	13.48	545	1.3450	1.2792	1.1905	1.1892
STR 468	010YR0 3Hr	738.55	737.26	-0.0010	14.86	13.32	545	1.8359	1.9921	1.6772	1.6761
STR 468	010YR0 6Hr	738.55	738.03	0.0010	15.26	14.46	545	3.3005	3.1499	3.1371	3.4371
STR 468	010YR1 2Hr	738.55	738.12	0.0010	14.81	15.58	545	6.2588	6.1507	6.4277	6.4291
STR 468	010YR2	738.55	737.90	0.0010	13.49	14.23	545	12.2130	12.0328	12.3280	12.3299

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	4Hr										
STR 468	1 1/4" 24hr	738.55	733.53	0.0008	2.75	2.73	517	12.1972	12.0372	12.1759	12.1989
STR 468	100YR0 1hr	738.55	738.61	0.0015	19.70	20.24	2862	0.9596	0.6856	1.3303	1.3241
STR 468	100YR0 2hr	738.55	738.71	0.0017	21.65	22.26	7303	1.5172	1.1628	1.7754	1.7784
STR 468	100YR0 3hr	738.55	738.73	-0.0020	21.96	22.53	7894	2.0181	2.2219	2.2830	2.2862
STR 468	100YR0 6hr	738.55	738.79	-0.0025	22.73	23.15	10515	3.5473	3.8000	3.8707	3.8739
STR 468	100YR1 2hr	738.55	738.76	-0.0022	21.82	22.24	9366	6.4795	6.7142	6.7849	6.7881
STR 468	100YR2 4hr	738.55	738.68	0.0010	20.33	20.90	5830	12.3471	11.9905	12.5802	12.5831
STR 469	002YR0 1HR	738.40	734.01	-0.0009	10.03	9.82	661	0.8320	0.9408	0.7833	0.7905
STR 469	002YR0 2HR	738.40	734.21	-0.0008	11.52	11.13	654	1.3340	1.4150	1.2638	1.2679
STR 469	002YR0 3HR	738.40	734.25	-0.0008	11.75	11.33	629	1.8273	1.9849	1.7507	1.7560
STR 469	002YR0 6HR	738.40	734.60	-0.0009	13.27	12.52	629	3.3150	3.4340	3.2141	3.2162
STR 469	002YR1 2HR	738.40	734.93	-0.0009	13.86	12.89	629	6.2759	6.3380	6.1629	6.1636
STR 469	002YR2 4HR	738.40	735.04	0.0010	13.59	12.62	629	12.2241	12.1603	12.1083	12.1071
STR 469	010YR0 1Hr	738.40	736.18	-0.0010	17.34	15.77	674	0.8549	0.9878	0.7196	0.7152
STR 469	010YR0 2Hr	738.40	737.08	-0.0010	18.61	16.63	629	1.3426	1.6211	1.1905	1.1875
STR 469	010YR0 3Hr	738.40	737.19	-0.0010	18.42	16.34	629	1.8336	1.9564	1.6774	1.6739
STR 469	010YR0 6Hr	738.40	737.97	0.0010	18.70	17.58	629	3.2985	3.2009	3.1351	3.4396
STR 469	010YR1 2Hr	738.40	738.06	0.0010	17.74	18.48	629	6.2560	6.1422	6.0833	6.4310
STR 469	010YR2 4Hr	738.40	737.83	0.0010	16.66	17.45	629	12.2112	12.0709	12.3289	12.3328
STR 469	1 1/4" 24hr	738.40	733.34	0.0007	3.46	3.48	597	12.1872	12.0503	12.1831	12.2014
STR 469	100YR0 1hr	738.40	738.58	0.0016	23.86	22.00	8113	0.9410	0.6833	0.6540	1.1850
STR 469	100YR0 2hr	738.40	738.69	-0.0022	23.66	24.31	12632	1.4932	1.7150	1.7778	1.7811

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
STR 469	100YR0 3hr	738.40	738.70	-0.0022	23.88	24.49	13229	1.9921	2.2202	2.2854	2.2887
STR 469	100YR0 6hr	738.40	738.76	-0.0021	24.27	25.36	15851	3.5157	3.7946	3.8723	3.7919
STR 469	100YR1 2hr	738.40	738.73	-0.0020	23.50	24.15	14616	6.4480	6.7104	6.7860	6.7082
STR 469	100YR2 4hr	738.40	738.65	-0.0021	22.37	22.99	10895	12.3234	12.5189	12.5823	12.5855
STR 471	002YR0 1HR	739.20	733.74	-0.0009	9.82	9.15	764	0.8644	0.9408	0.7905	0.8224
STR 471	002YR0 2HR	739.20	733.99	-0.0008	11.13	10.19	764	1.3526	1.4150	1.2679	1.3028
STR 471	002YR0 3HR	739.20	734.04	-0.0009	11.33	10.35	764	1.8437	2.0339	1.7560	1.7938
STR 471	002YR0 6HR	739.20	734.42	-0.0009	12.52	11.42	764	3.3185	3.4340	3.2162	3.3659
STR 471	002YR1 2HR	739.20	734.73	-0.0009	12.89	12.54	764	6.2736	6.4906	6.1636	6.3570
STR 471	002YR2 4HR	739.20	734.83	0.0009	12.62	13.04	764	12.2210	12.1418	12.1071	12.3173
STR 471	010YR0 1Hr	739.20	735.95	0.0010	15.77	14.32	764	0.8495	0.7489	0.7152	0.9689
STR 471	010YR0 2Hr	739.20	736.80	0.0011	16.63	15.95	764	1.3365	1.2106	1.1875	1.4629
STR 471	010YR0 3Hr	739.20	736.90	0.0011	16.34	16.15	764	1.8278	1.6966	1.6739	1.9545
STR 471	010YR0 6Hr	739.20	737.70	0.0013	17.58	18.44	764	3.2944	3.1503	3.4396	3.4425
STR 471	010YR1 2Hr	739.20	737.80	0.0011	18.48	19.33	764	6.2519	6.0979	6.4310	6.4327
STR 471	010YR2 4Hr	739.20	737.50	0.0010	17.45	18.34	764	12.2074	12.0287	12.3328	12.3371
STR 471	1 1/4" 24hr	739.20	732.89	0.0009	3.48	3.41	720	12.2339	12.0803	12.2014	12.2267
STR 471	100YR0 1hr	739.20	738.43	0.0025	22.00	23.06	764	0.9131	0.6629	1.1850	1.1858
STR 471	100YR0 2hr	739.20	738.55	0.0025	24.31	25.00	764	1.4605	1.1311	1.7811	1.7813
STR 471	100YR0 3hr	739.20	738.57	0.0023	24.49	25.16	764	1.9624	1.6154	2.2887	2.2199
STR 471	100YR0 6hr	739.20	738.64	0.0019	25.36	26.28	764	3.4780	3.0742	3.7919	3.7931
STR 471	100YR1 2hr	739.20	738.60	0.0014	24.15	25.10	764	6.4107	6.0175	6.7082	6.7093
STR 471	100YR2	739.20	738.48	0.0010	22.99	23.65	764	12.2927	11.9286	12.5855	12.5858



Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	4hr										
STR 472	002YR0 1HR	738.42	733.64	0.0010	9.15	8.93	525	0.8684	0.6662	0.8224	0.8709
STR 472	002YR0 2HR	738.42	733.90	0.0010	10.19	10.04	525	1.3552	1.1927	1.3028	1.3790
STR 472	002YR0 3HR	738.42	733.95	0.0010	10.35	10.25	525	1.8451	1.6504	1.7938	1.8734
STR 472	002YR0 6HR	738.42	734.35	0.0009	11.42	11.86	525	3.3176	3.2539	3.3659	3.3765
STR 472	002YR1 2HR	738.42	734.67	0.0010	12.54	13.13	525	6.2721	6.2028	6.3570	6.3568
STR 472	002YR2 4HR	738.42	734.76	0.0010	13.04	13.67	525	12.2189	12.1394	12.3173	12.3196
STR 472	010YR0 1Hr	738.42	735.88	0.0010	14.32	15.06	525	0.8470	0.6318	0.9689	1.0275
STR 472	010YR0 2Hr	738.42	736.72	0.0010	15.95	16.82	525	1.3345	1.2099	1.4629	1.4658
STR 472	010YR0 3Hr	738.42	736.82	0.0010	16.15	17.05	525	1.8250	1.6958	1.9545	1.9566
STR 472	010YR0 6Hr	738.42	737.62	0.0012	18.44	19.32	525	3.2926	3.1496	3.4425	3.4467
STR 472	010YR1 2Hr	738.42	737.72	0.0010	19.33	20.19	525	6.2499	6.1224	6.4327	6.4341
STR 472	010YR2 4Hr	738.42	737.41	-0.0010	18.34	19.27	525	12.2053	12.7838	12.3371	12.3457
STR 472	1 1/4" 24hr	738.42	732.69	0.0010	3.41	3.36	495	12.2564	12.0984	12.2267	12.2509
STR 472	100YR0 1hr	738.42	738.38	0.0023	23.06	24.10	525	0.9119	0.6626	1.1858	1.1859
STR 472	100YR0 2hr	738.42	738.52	0.0022	25.00	26.12	4439	1.4585	1.1308	1.7813	1.7153
STR 472	100YR0 3hr	738.42	738.53	0.0020	25.16	26.50	5140	1.9589	1.6150	2.2199	2.2204
STR 472	100YR0 6hr	738.42	738.60	0.0018	26.28	27.20	8238	3.4769	3.1158	3.7931	3.7934
STR 472	100YR1 2hr	738.42	738.56	0.0014	25.10	26.06	6379	6.4071	6.0716	6.7093	6.7098
STR 472	100YR2 4hr	738.42	738.43	0.0010	23.65	24.30	660	12.2893	11.9278	12.5858	12.5834
STR 473	002YR0 1HR	738.08	733.58	0.0010	8.93	9.07	587	0.8684	0.7342	0.8709	0.9005
STR 473	002YR0 2HR	738.08	733.85	0.0009	10.04	10.34	587	1.3534	1.2153	1.3790	1.4010
STR 473	002YR0 3HR	738.08	733.90	0.0010	10.25	10.58	587	1.8440	1.7972	1.8734	1.8946

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
STR 473	002YR0 6HR	738.08	734.31	0.0010	11.86	12.38	587	3.3159	3.2539	3.3765	3.3861
STR 473	002YR1 2HR	738.08	734.63	0.0010	13.13	13.76	587	6.2701	6.1877	6.3568	6.3565
STR 473	002YR2 4HR	738.08	734.73	0.0010	13.67	14.34	587	12.2167	12.1394	12.3196	12.3194
STR 473	010YR0 1Hr	738.08	735.84	-0.0010	15.06	15.70	587	0.8456	0.9597	1.0275	0.9707
STR 473	010YR0 2Hr	738.08	736.68	0.0010	16.82	17.70	587	1.3326	1.2027	1.4658	1.4669
STR 473	010YR0 3Hr	738.08	736.77	0.0010	17.05	17.95	587	1.8232	1.6886	1.9566	1.9585
STR 473	010YR0 6Hr	738.08	737.57	0.0011	19.32	20.25	587	3.2915	3.1511	3.4467	3.4538
STR 473	010YR1 2Hr	738.08	737.68	0.0010	20.19	21.05	587	6.2483	6.0952	6.4341	6.4354
STR 473	010YR2 4Hr	738.08	737.35	-0.0010	19.27	20.26	587	12.2041	12.7838	12.3457	12.3523
STR 473	1 1/4" 24hr	738.08	732.60	0.0010	3.36	3.37	561	12.2600	12.1175	12.2509	12.2742
STR 473	100YR0 1hr	738.08	738.35	0.0022	24.10	25.30	12119	0.9093	0.6635	1.1859	1.1552
STR 473	100YR0 2hr	738.08	738.49	0.0021	26.12	27.58	18220	1.4516	1.1319	1.7153	1.7157
STR 473	100YR0 3hr	738.08	738.51	0.0019	26.50	27.85	18934	1.9516	1.6162	2.2204	2.2207
STR 473	100YR0 6hr	738.08	738.58	0.0018	27.20	28.12	22105	3.4680	3.1159	3.7934	3.7917
STR 473	100YR1 2hr	738.08	738.54	0.0014	26.06	27.03	20166	6.3982	6.0721	6.7098	6.7093
STR 473	100YR2 4hr	738.08	738.40	-0.0012	24.30	25.62	14166	12.2867	12.4976	12.5834	12.5198
STR 474	002YR0 1HR	737.70	733.50	-0.0010	16.60	16.28	756	0.8647	0.9408	0.8313	0.8523
STR 474	002YR0 2HR	737.70	733.78	-0.0010	18.68	18.37	756	1.3504	1.4150	1.3164	1.3442
STR 474	002YR0 3HR	737.70	733.83	-0.0009	19.01	18.72	756	1.8407	2.0339	1.8077	1.8357
STR 474	002YR0 6HR	737.70	734.25	-0.0010	21.03	21.13	756	3.3118	3.4335	3.2998	3.3327
STR 474	002YR1 2HR	737.70	734.56	0.0010	22.19	22.41	757	6.2659	5.4173	6.2916	6.3005
STR 474	002YR2 4HR	737.70	734.65	-0.0010	22.52	22.76	757	12.2127	12.3748	12.2482	12.2593
STR 474	010YR0	737.70	735.76	-0.0010	26.56	26.90	757	0.8404	0.9171	0.8592	0.8778

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	1Hr										
STR 474	010YR0 2Hr	737.70	736.59	-0.0010	29.41	29.96	757	1.3270	1.4146	1.3564	1.3771
STR 474	010YR0 3Hr	737.70	736.68	-0.0010	29.74	30.28	757	1.8180	1.9198	1.8492	1.8685
STR 474	010YR0 6Hr	737.70	737.48	0.0011	31.68	32.41	756	3.2876	3.1514	3.3332	3.3506
STR 474	010YR1 2Hr	737.70	737.59	0.0010	31.76	32.61	756	6.2447	6.1123	6.3101	6.3418
STR 474	010YR2 4Hr	737.70	737.24	-0.0010	31.46	32.30	756	12.1997	12.3212	12.2762	12.2903
STR 474	1 1/4" 24hr	737.70	732.48	0.0008	5.99	5.94	726	12.2484	12.1175	12.2275	12.2484
STR 474	100YR0 1hr	737.70	738.31	-0.0042	41.36	42.12	26768	0.8802	1.0976	0.7415	1.0743
STR 474	100YR0 2hr	737.70	738.46	-0.0050	44.41	44.79	33294	1.4210	1.6857	1.2003	1.6412
STR 474	100YR0 3hr	737.70	738.48	-0.0050	44.30	45.07	34030	1.9190	2.1878	1.6867	2.1327
STR 474	100YR0 6hr	737.70	738.56	-0.0049	45.13	44.63	37331	3.4233	3.7468	3.1477	3.6511
STR 474	100YR1 2hr	737.70	738.51	-0.0044	42.67	43.41	35305	6.3654	6.6683	6.1091	6.5827
STR 474	100YR2 4hr	737.70	738.36	-0.0041	38.50	42.39	28736	12.2541	12.4964	12.0725	12.4582
STR 501	002YR0 1HR	737.20	732.95	-0.0010	21.48	21.37	762	0.8696	1.1107	0.8549	0.8671
STR 501	002YR0 2HR	737.20	733.24	-0.0010	24.48	24.47	762	1.3483	2.1862	1.3401	1.3546
STR 501	002YR0 3HR	737.20	733.29	-0.0010	25.00	25.01	762	1.8377	2.8309	1.8306	1.8459
STR 501	002YR0 6HR	737.20	733.66	0.0010	28.45	28.58	762	3.3002	3.1461	3.3105	3.3216
STR 501	002YR1 2HR	737.20	733.90	0.0010	30.36	30.51	762	6.2531	4.1312	6.2690	6.2809
STR 501	002YR2 4HR	737.20	733.96	-0.0010	30.87	31.01	762	12.1990	12.8522	12.2167	12.2271
STR 501	010YR0 1Hr	737.20	734.81	-0.0010	37.57	37.85	762	0.8216	1.3550	0.8497	0.8542
STR 501	010YR0 2Hr	737.20	735.44	-0.0010	41.94	42.41	762	1.3044	2.1806	1.3435	1.3502
STR 501	010YR0 3Hr	737.20	735.50	0.0010	42.39	42.85	762	1.7945	1.3323	1.8343	1.8424
STR 501	010YR0 6Hr	737.20	736.13	0.0010	46.09	46.69	762	3.2681	3.0991	3.3069	3.3154

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
STR 501	010YR1 2Hr	737.20	736.24	0.0010	46.36	46.93	762	6.2278	6.0786	6.2658	6.2759
STR 501	010YR2 4Hr	737.20	735.91	-0.0010	44.93	45.50	762	12.1805	12.2864	12.2172	12.2390
STR 501	1 1/4" 24hr	737.20	731.70	0.0008	7.74	7.69	738	12.2692	12.0984	12.2475	12.2661
STR 501	100YR0 1hr	737.20	737.45	-0.0022	51.26	52.84	11287	0.7977	0.8727	1.0041	0.8670
STR 501	100YR0 2hr	737.20	737.68	-0.0040	52.84	58.36	21035	1.3047	1.4386	1.5609	1.4255
STR 501	100YR0 3hr	737.20	737.70	-0.0042	53.24	58.91	22109	1.7982	1.9403	2.0383	1.9278
STR 501	100YR0 6hr	737.20	737.83	-0.0051	53.39	63.31	27507	3.2865	3.4584	3.5116	3.4421
STR 501	100YR1 2hr	737.20	737.73	-0.0045	52.85	61.47	23340	6.2430	6.3849	6.4402	6.3704
STR 501	100YR2 4hr	737.20	737.46	-0.0023	52.26	54.38	11756	12.1679	12.2475	12.3286	12.2428
STR 503	002YR0 1HR	738.09	733.14	-0.0010	17.47	17.44	549	0.8712	1.0660	0.8593	0.8736
STR 503	002YR0 2HR	738.09	733.43	-0.0010	19.77	19.83	549	1.3518	1.4150	1.3498	1.3647
STR 503	002YR0 3HR	738.09	733.49	0.0010	20.16	20.23	549	1.8410	1.6954	1.8437	1.8571
STR 503	002YR0 6HR	738.09	733.91	0.0010	22.84	23.09	549	3.3062	3.1790	3.3341	3.3494
STR 503	002YR1 2HR	738.09	734.18	0.0010	24.22	24.45	549	6.2599	6.1324	6.2965	6.2978
STR 503	002YR2 4HR	738.09	734.26	0.0010	24.60	24.87	549	12.2062	12.0431	12.2526	12.2577
STR 503	010YR0 1Hr	738.09	735.22	0.0010	29.42	29.84	549	0.8320	0.7070	0.8742	0.8826
STR 503	010YR0 2Hr	738.09	735.93	0.0010	32.79	33.43	549	1.3164	1.1592	1.3737	1.3795
STR 503	010YR0 3Hr	738.09	736.01	0.0010	33.13	33.78	549	1.8069	1.6730	1.8631	1.8730
STR 503	010YR0 6Hr	738.09	736.72	0.0010	35.57	36.33	548	3.2793	3.1337	3.3410	3.3472
STR 503	010YR1 2Hr	738.09	736.83	0.0010	35.69	36.55	548	6.2372	6.0463	6.3101	6.3370
STR 503	010YR2 4Hr	738.09	736.49	0.0010	35.20	36.02	549	12.1913	11.9704	12.2744	12.2783
STR 503	1 1/4" 24hr	738.09	731.94	0.0007	6.40	6.38	532	12.2661	12.1375	12.2495	12.2653
STR 503	100YR0	738.09	737.83	0.0019	44.10	44.57	548	0.8136	0.6654	1.0754	1.0849

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	1hr										
STR 503	100YR0 2hr	738.09	738.02	0.0019	46.46	46.76	548	1.3243	1.1341	1.6356	1.6362
STR 503	100YR0 3hr	738.09	738.04	0.0018	46.68	46.96	548	1.8199	1.6191	2.1240	2.1234
STR 503	100YR0 6hr	738.09	738.14	0.0017	46.17	46.38	2308	3.3182	3.1139	3.6282	3.6262
STR 503	100YR1 2hr	738.09	738.07	0.0013	45.04	45.25	549	6.2629	6.0731	6.5657	6.5656
STR 503	100YR2 4hr	738.09	737.86	0.0010	44.16	44.46	549	12.1824	11.8083	12.4506	12.4524
STR 504	002YR0 1HR	738.09	733.28	-0.0010	16.92	16.80	532	0.8690	0.9408	0.8486	0.8640
STR 504	002YR0 2HR	738.09	733.57	-0.0010	19.08	19.03	532	1.3521	1.4150	1.3369	1.3552
STR 504	002YR0 3HR	738.09	733.63	0.0010	19.44	19.41	532	1.8426	1.7972	1.8306	1.8482
STR 504	002YR0 6HR	738.09	734.04	-0.0010	21.86	22.08	532	3.3090	3.4340	3.3261	3.3476
STR 504	002YR1 2HR	738.09	734.33	0.0010	23.15	23.38	532	6.2624	6.1947	6.2965	6.3008
STR 504	002YR2 4HR	738.09	734.40	-0.0010	23.51	23.77	532	12.2086	12.4643	12.2489	12.2586
STR 504	010YR0 1Hr	738.09	735.42	0.0010	27.91	28.31	532	0.8357	0.7244	0.8707	0.8813
STR 504	010YR0 2Hr	738.09	736.18	-0.0010	31.01	31.63	532	1.3213	1.7452	1.3686	1.3794
STR 504	010YR0 3Hr	738.09	736.26	-0.0010	31.35	31.96	532	1.8120	2.3212	1.8575	1.8729
STR 504	010YR0 6Hr	738.09	737.01	-0.0010	33.55	34.30	532	3.2830	3.9853	3.3410	3.3497
STR 504	010YR1 2Hr	738.09	737.12	0.0010	33.66	34.52	532	6.2405	4.4370	6.3114	6.3395
STR 504	010YR2 4Hr	738.09	736.77	-0.0010	33.26	34.09	532	12.1952	12.2871	12.2762	12.2880
STR 504	1 1/4" 24hr	738.09	732.20	0.0008	6.17	6.16	517	12.2545	12.1175	12.2428	12.2561
STR 504	100YR0 1hr	738.09	738.00	0.0019	42.86	43.28	532	0.8303	0.6648	1.0732	1.0777
STR 504	100YR0 2hr	738.09	738.18	0.0020	45.44	45.74	4064	1.3546	1.1335	1.6372	1.6403
STR 504	100YR0 3hr	738.09	738.20	0.0018	45.70	45.97	4897	1.8512	1.6189	2.1277	2.1304
STR 504	100YR0 6hr	738.09	738.29	-0.0024	45.25	45.46	8795	3.3567	3.4648	3.6407	3.6418

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
STR 504	100YR1 2hr	738.09	738.23	0.0014	44.07	44.28	6150	6.2950	6.0732	6.5752	6.5759
STR 504	100YR2 4hr	738.09	738.04	-0.0011	43.08	43.38	532	12.1995	12.4981	12.4541	12.4573
STR 512	002YR0 1HR	734.32	726.81	0.0008	9.26	9.26	524	3.0002	1.1443	2.9977	2.9977
STR 512	002YR0 2HR	734.32	727.31	0.0010	14.33	14.32	524	2.3979	1.4626	2.3696	2.4068
STR 512	002YR0 3HR	734.32	727.54	0.0010	16.75	16.75	524	3.1193	1.9847	3.1032	3.1032
STR 512	002YR0 6HR	734.32	728.00	0.0010	21.59	21.59	524	3.9181	3.2632	3.9010	3.9291
STR 512	002YR1 2HR	734.32	728.49	-0.0010	27.50	27.55	524	6.7364	8.2498	6.7373	6.7379
STR 512	002YR2 4HR	734.32	728.71	0.0010	30.07	30.07	524	12.6363	12.2041	12.6253	12.6425
STR 512	010YR0 1Hr	734.32	727.92	0.0010	20.63	20.62	524	1.4985	0.9171	1.4778	1.5034
STR 512	010YR0 2Hr	734.32	728.59	-0.0010	28.50	28.50	524	2.1496	2.7577	2.1313	2.1550
STR 512	010YR0 3Hr	734.32	728.78	0.0010	30.81	30.81	524	2.5562	1.8027	2.5432	2.5628
STR 512	010YR0 6Hr	734.32	729.55	-0.0010	39.72	39.72	524	3.8678	4.3829	3.8554	3.8594
STR 512	010YR1 2Hr	734.32	729.85	-0.0010	42.64	42.64	524	6.7641	7.6942	6.7522	6.7600
STR 512	010YR2 4Hr	734.32	729.91	-0.0010	43.35	43.35	524	12.6491	15.5244	12.6366	12.6542
STR 512	1 1/4" 24hr	734.32	726.68	0.0004	8.09	8.09	524	12.7945	12.2545	12.7686	12.7797
STR 512	100YR0 1hr	734.32	729.64	0.0010	40.40	40.40	524	1.4612	0.7742	1.4490	1.4551
STR 512	100YR0 2hr	734.32	730.38	0.0010	47.61	47.61	524	2.1886	1.3187	2.1773	2.1939
STR 512	100YR0 3hr	734.32	730.49	-0.0010	48.52	48.52	524	2.7238	4.1892	2.7067	2.7300
STR 512	100YR0 6hr	734.32	730.82	0.0010	51.27	51.27	524	4.2241	3.2368	4.1864	4.2389
STR 512	100YR1 2hr	734.32	730.92	0.0010	52.07	52.07	524	7.0857	5.2987	7.0540	7.0980
STR 512	100YR2 4hr	734.32	730.82	0.0010	51.26	51.26	524	12.9437	12.0653	12.9155	12.9222
STR 515	002YR0 1HR	736.00	731.16	0.0010	19.57	19.56	427	0.7829	0.2127	0.7769	0.7830
STR 515	002YR0	736.00	731.22	0.0010	20.71	20.70	427	1.2712	0.2127	1.2646	1.2712

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	2HR										
STR 515	002YR0 3HR	736.00	731.21	0.0010	20.56	20.55	427	1.7635	0.2127	1.7567	1.7635
STR 515	002YR0 6HR	736.00	731.12	0.0010	18.59	18.71	427	3.9021	0.2127	3.2555	3.2644
STR 515	002YR1 2HR	736.00	731.38	0.0010	18.84	18.72	427	6.7170	0.2127	6.2034	6.2068
STR 515	002YR2 4HR	736.00	731.48	0.0010	17.51	17.32	427	12.6182	0.2127	12.1537	12.1562
STR 515	010YR0 1Hr	736.00	731.67	0.0010	28.77	28.76	427	0.7595	0.2127	0.7544	0.7596
STR 515	010YR0 2Hr	736.00	731.80	0.0010	31.06	31.05	427	1.2452	0.2127	1.2399	1.2452
STR 515	010YR0 3Hr	736.00	731.79	0.0010	30.92	30.90	427	1.7372	0.2127	1.7314	1.7373
STR 515	010YR0 6Hr	736.00	731.92	0.0010	31.23	31.31	427	3.8396	0.2127	3.2221	3.2428
STR 515	010YR1 2Hr	736.00	732.14	0.0010	29.94	29.79	427	6.7654	0.2127	6.1775	6.1802
STR 515	010YR2 4Hr	736.00	732.18	0.0010	26.46	26.19	427	12.6324	0.2127	12.1297	12.1322
STR 515	1 1/4" 24hr	736.00	730.59	0.0010	11.06	11.06	427	0.3950	0.2127	0.3856	0.3953
STR 515	100YR0 1hr	736.00	732.35	0.0010	42.68	42.75	427	0.7487	0.2127	0.7465	0.7476
STR 515	100YR0 2hr	736.00	732.59	0.0010	45.39	45.38	427	2.1487	0.2127	1.2271	1.2311
STR 515	100YR0 3hr	736.00	732.77	0.0010	45.22	45.26	427	2.7015	0.2127	1.7228	1.7202
STR 515	100YR0 6hr	736.00	733.35	0.0010	46.97	46.98	427	4.2137	0.2127	3.2042	3.2050
STR 515	100YR1 2hr	736.00	733.52	0.0010	43.20	42.91	427	7.0659	0.2127	6.1584	6.1568
STR 515	100YR2 4hr	736.00	733.33	0.0010	36.50	36.11	427	12.9191	0.2127	12.1185	12.1206
STR 516	002YR0 1HR	737.09	731.43	0.0010	19.61	19.57	560	0.7789	0.1881	0.7661	0.7769
STR 516	002YR0 2HR	737.09	731.51	0.0010	20.76	20.71	560	1.2675	0.1881	1.2539	1.2646
STR 516	002YR0 3HR	737.09	731.50	0.0010	20.60	20.56	560	1.7591	0.1881	1.7459	1.7567
STR 516	002YR0 6HR	737.09	731.37	0.0010	18.64	18.59	560	3.2491	0.1881	3.2354	3.2555
STR 516	002YR1 2HR	737.09	731.41	0.0010	18.96	18.84	560	6.7043	0.1881	6.1956	6.2034

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
STR 516	002YR2 4HR	737.09	731.51	0.0010	17.69	17.51	560	12.5911	0.1881	12.1473	12.1537
STR 516	010YR0 1Hr	737.09	732.03	0.0010	28.82	28.77	560	0.7566	0.1881	0.7461	0.7544
STR 516	010YR0 2Hr	737.09	732.17	0.0010	31.09	31.06	560	1.2424	0.1881	1.2350	1.2399
STR 516	010YR0 3Hr	737.09	732.17	0.0010	30.95	30.92	560	1.7342	0.1881	1.7251	1.7314
STR 516	010YR0 6Hr	737.09	732.18	0.0010	31.26	31.23	560	3.2244	0.1881	3.2171	3.2221
STR 516	010YR1 2Hr	737.09	732.17	0.0010	30.05	29.94	560	6.7828	0.1881	6.1725	6.1775
STR 516	010YR2 4Hr	737.09	732.21	0.0010	26.70	26.46	560	12.6120	0.1881	12.1244	12.1297
STR 516	1 1/4" 24hr	737.09	730.81	0.0010	11.07	11.06	560	0.3881	0.1881	0.3628	0.3856
STR 516	100YR0 1hr	737.09	732.92	0.0010	42.69	42.68	560	0.7469	0.1881	0.7393	0.7465
STR 516	100YR0 2hr	737.09	733.10	0.0010	45.42	45.39	560	1.2291	0.1881	1.2212	1.2271
STR 516	100YR0 3hr	737.09	733.09	0.0010	45.22	45.22	560	1.7210	0.1881	1.7187	1.7228
STR 516	100YR0 6hr	737.09	733.42	0.0010	46.95	46.97	560	4.2263	0.1881	3.2028	3.2042
STR 516	100YR1 2hr	737.09	733.58	0.0010	43.50	43.20	560	7.0575	0.1881	6.1564	6.1584
STR 516	100YR2 4hr	737.09	733.39	0.0010	36.91	36.50	560	12.9129	0.1881	12.1081	12.1185
STR 517	002YR0 1HR	737.86	731.78	0.0010	19.73	19.61	961	0.7727	0.1584	0.7493	0.7661
STR 517	002YR0 2HR	737.86	731.86	0.0010	20.90	20.76	961	1.2608	0.1584	1.2361	1.2539
STR 517	002YR0 3HR	737.86	731.85	0.0010	20.75	20.60	961	1.7530	0.1584	1.7268	1.7459
STR 517	002YR0 6HR	737.86	731.70	0.0010	18.84	18.64	961	3.2424	0.1584	3.2159	3.2354
STR 517	002YR1 2HR	737.86	731.72	0.0010	19.16	18.96	961	6.2074	0.1584	6.1785	6.1956
STR 517	002YR2 4HR	737.86	731.68	0.0010	17.93	17.69	961	12.1742	0.1584	12.1333	12.1473
STR 517	010YR0 1Hr	737.86	732.48	0.0010	28.93	28.82	961	0.7525	0.1584	0.7351	0.7461
STR 517	010YR0 2Hr	737.86	732.65	0.0010	31.17	31.09	961	1.2393	0.1584	1.2246	1.2350
STR 517	010YR0	737.86	732.64	0.0010	31.04	30.95	961	1.7311	0.1584	1.7171	1.7251



Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	3Hr										
STR 517	010YR0 6Hr	737.86	732.67	0.0010	31.35	31.26	961	3.2213	0.1584	3.2060	3.2171
STR 517	010YR1 2Hr	737.86	732.55	0.0010	30.18	30.05	961	6.1844	0.1584	6.1667	6.1725
STR 517	010YR2 4Hr	737.86	732.39	0.0010	26.94	26.70	961	12.1558	0.1584	12.1169	12.1244
STR 517	1 1/4" 24hr	737.86	731.10	0.0010	11.15	11.07	961	0.3747	0.1584	0.3120	0.3628
STR 517	100YR0 1hr	737.86	733.80	0.0010	42.84	42.69	961	0.7455	0.1584	0.7330	0.7393
STR 517	100YR0 2hr	737.86	734.10	0.0010	45.51	45.42	961	1.2261	0.1584	1.2167	1.2212
STR 517	100YR0 3hr	737.86	734.08	0.0010	45.32	45.22	961	1.7196	0.1584	1.7030	1.7187
STR 517	100YR0 6hr	737.86	734.21	0.0010	46.98	46.95	961	3.2016	0.1584	3.1947	3.2028
STR 517	100YR1 2hr	737.86	734.00	0.0010	43.85	43.50	961	6.2010	0.1584	6.1512	6.1564
STR 517	100YR2 4hr	737.86	733.65	0.0010	37.33	36.91	961	12.1777	0.1584	12.1077	12.1081
STR 521	002YR0 1HR	736.10	732.32	0.0010	18.60	18.48	1380	0.7622	0.1447	0.7333	0.7559
STR 521	002YR0 2HR	736.10	732.41	0.0010	19.62	19.48	1380	1.2508	0.1447	1.2168	1.2434
STR 521	002YR0 3HR	736.10	732.39	0.0010	19.47	19.31	1380	1.7418	0.1447	1.7166	1.7359
STR 521	002YR0 6HR	736.10	732.22	0.0010	17.49	17.28	1380	3.2305	0.1447	3.2000	3.2236
STR 521	002YR1 2HR	736.10	732.24	0.0010	17.73	17.53	1380	6.1927	0.1447	6.1666	6.1867
STR 521	002YR2 4HR	736.10	732.15	0.0010	16.55	16.36	1380	12.1507	0.1447	12.1167	12.1401
STR 521	010YR0 1Hr	736.10	733.08	0.0010	26.61	26.53	1380	0.7486	0.1447	0.7334	0.7410
STR 521	010YR0 2Hr	736.10	733.28	0.0010	28.58	28.51	1380	1.2365	0.1447	1.2167	1.2342
STR 521	010YR0 3Hr	736.10	733.26	0.0010	28.46	28.37	1380	1.7280	0.1447	1.7166	1.7227
STR 521	010YR0 6Hr	736.10	733.29	0.0010	28.65	28.58	1380	3.2191	0.1447	3.2023	3.2172
STR 521	010YR1 2Hr	736.10	733.16	0.0010	27.50	27.41	1380	6.1773	0.1447	6.1663	6.1701
STR 521	010YR2 4Hr	736.10	732.93	0.0010	24.56	24.46	1380	12.1354	0.1447	12.1167	12.1197

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
STR 521	1 1/4" 24hr	736.10	731.71	0.0010	11.19	11.15	1380	0.2864	0.1447	0.2132	0.3120
STR 521	100YR0 1hr	736.10	734.90	0.0010	38.78	38.54	1380	0.7440	0.1447	0.7170	0.7377
STR 521	100YR0 2hr	736.10	735.31	0.0010	40.89	40.61	1380	1.2249	0.1447	1.2000	1.2220
STR 521	100YR0 3hr	736.10	735.28	-0.0010	40.64	40.42	1380	1.7192	1.8073	1.7000	1.7189
STR 521	100YR0 6hr	736.10	735.50	0.0010	42.02	41.90	1380	3.2020	0.1447	3.1833	3.2034
STR 521	100YR1 2hr	736.10	735.09	0.0010	39.53	39.11	1380	6.1788	0.1447	6.1500	6.1559
STR 521	100YR2 4hr	736.10	734.43	0.0010	33.95	33.49	1380	12.1551	0.1447	12.1000	12.1119
STR 522	002YR0 1HR	735.85	732.72	0.0010	13.50	13.52	1173	0.7680	0.1327	0.7666	0.8000
STR 522	002YR0 2HR	735.85	732.80	0.0010	13.66	13.70	1173	1.2548	0.1327	1.2500	1.2843
STR 522	002YR0 3HR	735.85	732.77	0.0010	13.39	13.42	1173	1.7470	0.1327	1.7499	1.7716
STR 522	002YR0 6HR	735.85	732.48	0.0010	11.15	11.19	1173	3.2376	0.1327	0.1860	0.2132
STR 522	002YR1 2HR	735.85	732.48	0.0010	11.15	11.19	1173	6.1998	0.1327	0.1860	0.2132
STR 522	002YR2 4HR	735.85	732.37	0.0010	11.15	11.19	1173	12.1566	0.1327	0.1860	0.2132
STR 522	010YR0 1Hr	735.85	733.58	0.0010	16.46	16.69	1173	0.7554	0.1327	0.7833	0.8029
STR 522	010YR0 2Hr	735.85	733.81	0.0010	17.01	17.28	1173	1.2442	0.1327	1.2666	1.2970
STR 522	010YR0 3Hr	735.85	733.79	0.0010	16.81	17.06	1173	1.7361	0.1327	1.7499	1.7849
STR 522	010YR0 6Hr	735.85	733.78	0.0010	16.42	16.76	1173	3.2311	0.1327	3.2660	3.2777
STR 522	010YR1 2Hr	735.85	733.57	0.0010	14.88	15.05	1173	6.1861	0.1327	6.2000	6.2179
STR 522	010YR2 4Hr	735.85	733.24	0.0010	12.99	13.07	1173	12.1397	0.1327	12.1497	12.1652
STR 522	1 1/4" 24hr	735.85	732.23	0.0010	11.15	11.19	1173	0.2043	0.1327	0.1860	0.2132
STR 522	100YR0 1hr	735.85	735.60	0.0010	20.06	20.93	1173	0.7514	0.1327	0.8168	0.8307
STR 522	100YR0 2hr	735.85	735.95	0.0010	20.35	21.33	1173	1.2360	0.1327	1.3266	1.3514
STR 522	100YR0	735.85	735.90	-0.0010	20.25	21.22	1173	1.7330	1.8413	1.8295	1.8358

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	3hr										
STR 522	100YR0 6hr	735.85	736.11	0.0010	20.70	20.52	1173	3.2125	0.1327	3.2000	3.2154
STR 522	100YR1 2hr	735.85	735.65	0.0010	19.80	19.51	1173	6.1844	0.1327	6.1500	6.1704
STR 522	100YR2 4hr	735.85	734.90	0.0010	16.85	16.43	1173	12.1586	0.1327	12.1166	12.1331
STR 523	002YR0 1HR	738.17	733.42	0.0013	12.28	11.60	859	0.7682	0.0773	0.0801	0.6017
STR 523	002YR0 2HR	738.17	733.44	0.0013	12.28	11.34	859	1.2577	0.0773	0.0801	1.0906
STR 523	002YR0 3HR	738.17	733.36	0.0013	12.28	11.15	859	1.7505	0.0773	0.0801	0.1860
STR 523	002YR0 6HR	738.17	733.13	0.0013	12.28	11.15	859	0.1589	0.0773	0.0801	0.1860
STR 523	002YR1 2HR	738.17	733.13	0.0013	12.28	11.15	859	0.1589	0.0773	0.0801	0.1860
STR 523	002YR2 4HR	738.17	733.13	0.0013	12.28	11.15	859	0.1589	0.0773	0.0801	0.1860
STR 523	010YR0 1Hr	738.17	734.17	0.0013	12.38	12.13	859	0.7642	0.0773	0.5773	0.5762
STR 523	010YR0 2Hr	738.17	734.31	0.0013	12.28	11.86	859	1.2531	0.0773	0.0801	1.0639
STR 523	010YR0 3Hr	738.17	734.23	0.0013	12.28	11.43	859	1.7446	0.0773	0.0801	1.5558
STR 523	010YR0 6Hr	738.17	734.06	0.0013	12.28	11.15	859	3.2466	0.0773	0.0801	0.1860
STR 523	010YR1 2Hr	738.17	733.70	0.0013	12.28	11.15	859	6.1952	0.0773	0.0801	0.1860
STR 523	010YR2 4Hr	738.17	733.30	0.0013	12.28	11.15	859	12.1473	0.0773	0.0801	0.1860
STR 523	1 1/4" 24hr	738.17	733.13	0.0013	12.28	11.15	859	0.1589	0.0773	0.0801	0.1860
STR 523	100YR0 1hr	738.17	735.77	0.0013	13.26	12.58	859	0.7572	0.0773	0.5525	2.2444
STR 523	100YR0 2hr	738.17	735.96	0.0013	13.10	13.13	859	1.2387	0.0773	3.2221	3.2193
STR 523	100YR0 3hr	738.17	735.90	0.0013	13.14	13.18	859	1.7322	0.0773	4.1066	4.0430
STR 523	100YR0 6hr	738.17	736.08	0.0013	13.36	13.40	859	3.2169	0.0773	6.7812	6.7791
STR 523	100YR1 2hr	738.17	735.63	0.0013	12.96	12.99	859	6.1877	0.0773	10.2191	10.2167
STR 523	100YR2 4hr	738.17	734.89	0.0013	12.28	12.17	859	12.1592	0.0773	0.0801	15.3438

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
STR 524	002YR0 1HR	737.69	733.62	0.0019	12.31	12.28	362	0.7645	0.0394	0.0496	0.0801
STR 524	002YR0 2HR	737.69	733.62	0.0019	12.31	12.28	362	1.2556	0.0394	0.0496	0.0801
STR 524	002YR0 3HR	737.69	733.53	0.0019	12.31	12.28	362	1.7482	0.0394	0.0496	0.0801
STR 524	002YR0 6HR	737.69	733.33	0.0019	12.31	12.28	362	0.1718	0.0394	0.0496	0.0801
STR 524	002YR1 2HR	737.69	733.33	0.0019	12.31	12.28	362	0.1718	0.0394	0.0496	0.0801
STR 524	002YR2 4HR	737.69	733.33	0.0019	12.31	12.28	362	0.1718	0.0394	0.0496	0.0801
STR 524	010YR0 1Hr	737.69	734.33	0.0019	12.63	12.38	362	0.7642	0.0394	0.5667	0.5773
STR 524	010YR0 2Hr	737.69	734.45	0.0019	12.48	12.28	362	1.2541	0.0394	1.0667	0.0801
STR 524	010YR0 3Hr	737.69	734.36	0.0019	12.31	12.28	362	1.7456	0.0394	0.0496	0.0801
STR 524	010YR0 6Hr	737.69	734.14	0.0019	12.31	12.28	362	3.2497	0.0394	0.0496	0.0801
STR 524	010YR1 2Hr	737.69	733.74	0.0019	12.31	12.28	362	6.1970	0.0394	0.0496	0.0801
STR 524	010YR2 4Hr	737.69	733.33	0.0019	12.31	12.28	362	0.1718	0.0394	0.0496	0.0801
STR 524	1 1/4" 24hr	737.69	733.33	0.0019	12.31	12.28	362	0.1718	0.0394	0.0496	0.0801
STR 524	100YR0 1hr	737.69	735.82	0.0019	14.00	13.26	362	0.7586	0.0394	0.5500	0.5525
STR 524	100YR0 2hr	737.69	735.96	0.0019	13.76	13.10	362	1.2389	0.0394	1.0500	3.2221
STR 524	100YR0 3hr	737.69	735.90	0.0019	13.22	13.14	362	1.7324	0.0394	1.5333	4.1066
STR 524	100YR0 6hr	737.69	736.07	0.0019	13.32	13.36	362	3.2183	0.0394	6.8482	6.7812
STR 524	100YR1 2hr	737.69	735.62	0.0019	12.92	12.96	362	6.1888	0.0394	10.2268	10.2191
STR 524	100YR2 4hr	737.69	734.89	0.0019	12.31	12.28	362	12.1600	0.0394	0.0496	0.0801
STR 525	002YR0 1HR	737.69	733.95	0.0021	13.18	12.31	439	0.7563	0.0224	0.0382	0.0496
STR 525	002YR0 2HR	737.69	733.92	0.0021	13.18	12.31	439	1.2480	0.0224	0.0382	0.0496
STR 525	002YR0 3HR	737.69	733.80	0.0021	13.18	12.31	439	1.7425	0.0224	0.0382	0.0496
STR 525	002YR0	737.69	733.68	0.0021	13.18	12.31	439	0.1795	0.0224	0.0382	0.0496

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	6HR										
STR 525	002YR1 2HR	737.69	733.68	0.0021	13.18	12.31	439	0.1795	0.0224	0.0382	0.0496
STR 525	002YR2 4HR	737.69	733.68	0.0021	13.18	12.31	439	0.1795	0.0224	0.0382	0.0496
STR 525	010YR0 1Hr	737.69	734.60	0.0021	13.18	12.31	439	0.7612	0.0224	0.0382	0.0496
STR 525	010YR0 2Hr	737.69	734.67	0.0021	13.18	12.31	439	1.2518	0.0224	0.0382	0.0496
STR 525	010YR0 3Hr	737.69	734.56	0.0021	13.18	12.31	439	1.7439	0.0224	0.0382	0.0496
STR 525	010YR0 6Hr	737.69	734.28	0.0021	13.18	12.31	439	3.2536	0.0224	0.0382	0.0496
STR 525	010YR1 2Hr	737.69	733.79	0.0021	13.18	12.31	439	6.1983	0.0224	0.0382	0.0496
STR 525	010YR2 4Hr	737.69	733.68	0.0021	13.18	12.31	439	0.1795	0.0224	0.0382	0.0496
STR 525	1 1/4" 24hr	737.69	733.68	0.0021	13.18	12.31	439	0.1795	0.0224	0.0382	0.0496
STR 525	100YR0 1hr	737.69	735.89	0.0021	13.18	12.58	439	0.7600	0.0224	0.0382	2.2293
STR 525	100YR0 2hr	737.69	735.97	0.0021	13.18	13.08	439	1.2394	0.0224	0.0382	3.2798
STR 525	100YR0 3hr	737.69	735.90	0.0021	13.18	13.11	439	1.7326	0.0224	0.0382	4.1709
STR 525	100YR0 6hr	737.69	736.05	0.0021	13.28	13.32	439	3.2187	0.0224	6.8651	6.8482
STR 525	100YR1 2hr	737.69	735.60	0.0021	13.18	12.88	439	6.1892	0.0224	0.0382	10.2239
STR 525	100YR2 4hr	737.69	734.89	0.0021	13.18	12.31	439	12.1592	0.0224	0.0382	0.0496
STR 526	002YR0 1HR	737.00	734.63	0.0049	18.65	13.18	536	0.7588	0.0001	0.0099	0.0382
STR 526	002YR0 2HR	737.00	734.55	0.0049	18.65	13.18	536	0.1791	0.0001	0.0099	0.0382
STR 526	002YR0 3HR	737.00	734.55	0.0049	18.65	13.18	536	0.1791	0.0001	0.0099	0.0382
STR 526	002YR0 6HR	737.00	734.55	0.0049	18.65	13.18	536	0.1791	0.0001	0.0099	0.0382
STR 526	002YR1 2HR	737.00	734.55	0.0049	18.65	13.18	536	0.1791	0.0001	0.0099	0.0382
STR 526	002YR2 4HR	737.00	734.55	0.0049	18.65	13.18	536	0.1791	0.0001	0.0099	0.0382
STR 526	010YR0 1Hr	737.00	735.06	0.0049	18.65	13.18	536	0.7690	0.0001	0.0099	0.0382

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
STR 526	010YR0 2Hr	737.00	735.02	0.0049	18.65	13.18	536	1.2600	0.0001	0.0099	0.0382
STR 526	010YR0 3Hr	737.00	734.87	0.0049	18.65	13.18	536	1.7522	0.0001	0.0099	0.0382
STR 526	010YR0 6Hr	737.00	734.55	0.0049	18.65	13.18	536	0.1791	0.0001	0.0099	0.0382
STR 526	010YR1 2Hr	737.00	734.55	0.0049	18.65	13.18	536	0.1791	0.0001	0.0099	0.0382
STR 526	010YR2 4Hr	737.00	734.55	0.0049	18.65	13.18	536	0.1791	0.0001	0.0099	0.0382
STR 526	1 1/4" 24hr	737.00	734.55	0.0049	18.65	13.18	536	0.1791	0.0001	0.0099	0.0382
STR 526	100YR0 1hr	737.00	735.92	0.0049	18.65	13.18	536	0.7684	0.0001	0.0099	0.0382
STR 526	100YR0 2hr	737.00	735.91	0.0049	18.65	13.18	536	1.2477	0.0001	0.0099	0.0382
STR 526	100YR0 3hr	737.00	735.83	0.0049	18.65	13.18	536	3.1361	0.0001	0.0099	0.0382
STR 526	100YR0 6hr	737.00	736.22	0.0049	18.65	13.28	536	5.0287	0.0001	0.0099	6.8651
STR 526	100YR1 2hr	737.00	736.06	0.0049	18.65	13.18	536	7.9444	0.0001	0.0099	0.0382
STR 526	100YR2 4hr	737.00	735.46	0.0049	18.65	13.18	536	13.8870	0.0001	0.0099	0.0382
STR 539	002YR0 1HR	738.09	732.02	-0.0010	37.55	37.50	931	0.8664	1.2261	0.8564	0.8671
STR 539	002YR0 2HR	738.09	732.26	0.0010	43.76	43.70	931	1.3398	1.0778	1.3292	1.3401
STR 539	002YR0 3HR	738.09	732.32	0.0010	44.89	44.82	931	1.8297	1.5811	1.8190	1.8297
STR 539	002YR0 6HR	738.09	732.62	-0.0010	53.21	53.13	932	3.2896	6.5908	3.2798	3.2896
STR 539	002YR1 2HR	738.09	732.81	0.0010	58.36	58.09	934	6.2454	6.0480	6.2286	6.2285
STR 539	002YR2 4HR	738.09	732.86	-0.0010	59.48	59.42	934	12.1896	12.2626	12.1806	12.1896
STR 539	010YR0 1Hr	738.09	733.39	0.0010	75.18	75.05	932	0.8074	0.5866	0.7998	0.8076
STR 539	010YR0 2Hr	738.09	733.75	0.0010	85.84	85.74	933	1.2858	1.0580	1.2783	1.2858
STR 539	010YR0 3Hr	738.09	733.78	0.0010	86.91	86.80	934	1.7749	7.8910	1.7680	1.7749
STR 539	010YR0 6Hr	738.09	734.12	0.0010	96.34	96.22	933	3.2455	3.0157	3.2354	3.2455
STR 539	010YR1	738.09	734.17	0.0010	97.29	97.18	933	6.2084	6.0173	6.2000	6.2084

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	2Hr										
STR 539	010YR2 4Hr	738.09	733.98	-0.0010	92.18	92.07	933	12.1592	61.3323	12.1505	12.1592
STR 539	1 1/4" 24hr	738.09	730.73	0.0006	13.23	13.18	873	12.2664	12.0936	12.2450	12.2575
STR 539	100YR0 1hr	738.09	735.07	0.0013	126.34	126.31	933	0.7388	0.6729	0.7346	0.7388
STR 539	100YR0 2hr	738.09	735.32	0.0015	133.78	133.75	933	1.2213	1.1403	1.2177	1.2213
STR 539	100YR0 3hr	738.09	735.34	0.0014	134.30	134.28	933	1.7125	1.6254	1.7078	1.7125
STR 539	100YR0 6hr	738.09	735.46	0.0013	138.88	138.85	933	3.1891	3.0866	3.1846	3.1892
STR 539	100YR1 2hr	738.09	735.34	0.0010	134.15	134.12	933	6.1547	1.1684	6.1510	6.1548
STR 539	100YR2 4hr	738.09	735.02	0.0009	123.92	124.15	933	12.1021	11.8508	12.1049	12.1022
STR 540	002YR0 1HR	738.09	732.18	0.0010	37.21	37.11	689	0.8640	0.5698	0.8486	0.8583
STR 540	002YR0 2HR	738.09	732.44	0.0010	43.36	43.24	689	1.3378	1.0554	1.3226	1.3311
STR 540	002YR0 3HR	738.09	732.50	-0.0010	44.49	44.35	689	1.8273	4.6002	1.8104	1.8215
STR 540	002YR0 6HR	738.09	732.82	-0.0010	52.70	52.55	689	3.2872	6.5609	3.2733	3.2816
STR 540	002YR1 2HR	738.09	733.02	0.0010	57.77	57.59	689	6.2436	14.5122	6.2279	6.2286
STR 540	002YR2 4HR	738.09	733.07	0.0010	58.84	58.73	689	12.1876	23.3274	12.1744	12.1825
STR 540	010YR0 1Hr	738.09	733.64	-0.0010	74.40	74.15	689	0.8059	2.6118	0.7930	0.8008
STR 540	010YR0 2Hr	738.09	734.03	0.0010	84.79	84.62	689	1.2842	0.9294	1.2739	1.2804
STR 540	010YR0 3Hr	738.09	734.06	0.0010	85.81	85.67	689	1.7737	1.5323	1.7657	1.7693
STR 540	010YR0 6Hr	738.09	734.42	0.0010	95.03	94.92	689	3.2442	3.0339	3.2339	3.2377
STR 540	010YR1 2Hr	738.09	734.48	-0.0010	95.97	95.89	689	6.2071	13.6960	6.1979	6.2012
STR 540	010YR2 4Hr	738.09	734.28	-0.0010	90.96	90.89	689	12.1576	63.1881	12.1501	12.1513
STR 540	1 1/4" 24hr	738.09	730.87	0.0007	13.11	13.07	649	12.2578	12.0703	12.2384	12.2484
STR 540	100YR0 1hr	738.09	735.56	0.0014	123.92	123.87	689	0.7378	0.6736	0.7341	0.7363

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
STR 540	100YR0 2hr	738.09	735.86	0.0016	131.02	130.96	689	1.2207	1.1407	1.2170	1.2191
STR 540	100YR0 3hr	738.09	735.89	0.0015	131.52	131.47	689	1.7126	1.6260	1.7023	1.7117
STR 540	100YR0 6hr	738.09	736.04	0.0014	135.93	135.87	689	3.1889	3.0873	3.1838	3.1878
STR 540	100YR1 2hr	738.09	735.88	-0.0010	131.48	131.42	689	6.1540	13.7978	6.1503	6.1520
STR 540	100YR2 4hr	738.09	735.49	0.0009	121.68	121.71	689	12.1058	11.8414	12.1045	12.1073
STR 541	002YR0 1HR	737.75	732.39	0.0010	37.26	36.89	1122	0.8607	0.5044	0.8262	0.8495
STR 541	002YR0 2HR	737.75	732.66	0.0010	43.37	42.98	1122	1.3335	0.9070	1.3092	1.3239
STR 541	002YR0 3HR	737.75	732.72	0.0010	44.61	44.10	1122	1.8239	1.2990	1.7947	1.8119
STR 541	002YR0 6HR	737.75	733.06	0.0010	52.64	52.21	1122	3.2845	3.0179	3.2617	3.2747
STR 541	002YR1 2HR	737.75	733.27	0.0010	57.60	57.23	1122	6.2410	5.9688	6.2184	6.2287
STR 541	002YR2 4HR	737.75	733.32	0.0010	58.63	58.30	1122	12.1849	11.9043	12.1650	12.1760
STR 541	010YR0 1Hr	737.75	733.94	0.0010	74.11	73.65	1122	0.8036	0.5315	0.7833	0.7943
STR 541	010YR0 2Hr	737.75	734.36	0.0010	84.11	83.90	1122	1.2832	0.8974	1.2679	1.2749
STR 541	010YR0 3Hr	737.75	734.41	0.0010	85.05	84.92	1122	1.7717	1.1122	1.7620	1.7668
STR 541	010YR0 6Hr	737.75	734.82	0.0010	94.15	94.02	1122	3.2432	2.9310	3.2334	3.2348
STR 541	010YR1 2Hr	737.75	734.89	0.0010	95.12	94.98	1123	6.2060	5.9131	6.1934	6.2001
STR 541	010YR2 4Hr	737.75	734.65	0.0010	90.13	90.05	1123	12.1562	11.5678	12.1473	12.1503
STR 541	1 1/4" 24hr	737.75	731.07	0.0008	13.08	12.99	1056	12.2481	12.0334	12.2217	12.2400
STR 541	100YR0 1hr	737.75	736.23	0.0018	122.35	122.22	1122	0.7369	0.6589	0.7229	0.7343
STR 541	100YR0 2hr	737.75	736.62	0.0020	129.18	129.08	1123	1.2200	1.1272	1.2166	1.2171
STR 541	100YR0 3hr	737.75	736.65	0.0018	129.75	129.55	1123	1.7117	1.6115	1.7000	1.7065
STR 541	100YR0 6hr	737.75	736.85	0.0016	133.95	133.84	1123	3.1879	3.0716	3.1833	3.1841
STR 541	100YR1	737.75	736.64	0.0012	129.67	129.59	1123	6.1528	6.0193	6.1500	6.1505



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 [ft <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	2hr										
STR 541	100YR2 4hr	737.75	736.14	-0.0010	120.16	120.15	1123	12.1062	12.2232	12.1058	12.1074
STR 549	002YR0 1HR	737.50	732.55	-0.0010	27.36	27.42	1150	0.8644	1.1821	0.8613	0.8778
STR 549	002YR0 2HR	737.50	732.83	-0.0010	31.49	31.64	1150	1.3395	1.7550	1.3456	1.3567
STR 549	002YR0 3HR	737.50	732.88	-0.0010	32.22	32.39	1150	1.8282	2.2242	1.8315	1.8467
STR 549	002YR0 6HR	737.50	733.23	0.0010	37.35	37.62	1150	3.2883	3.0493	3.2933	3.3105
STR 549	002YR1 2HR	737.50	733.45	0.0010	40.41	40.62	1150	6.2435	6.0137	6.2466	6.2728
STR 549	002YR2 4HR	737.50	733.50	0.0010	41.19	41.40	1150	12.1878	11.7605	12.1919	12.2093
STR 549	010YR0 1Hr	737.50	734.16	-0.0010	50.72	50.93	1150	0.8065	1.2163	0.8252	0.8284
STR 549	010YR0 2Hr	737.50	734.66	0.0010	56.98	57.28	1150	1.2858	1.0415	1.3098	1.3140
STR 549	010YR0 3Hr	737.50	734.71	0.0010	57.65	57.95	1150	1.7758	1.4473	1.8001	1.8044
STR 549	010YR0 6Hr	737.50	735.18	0.0010	63.56	63.91	1150	3.2484	3.0699	3.2723	3.2723
STR 549	010YR1 2Hr	737.50	735.26	0.0010	64.37	64.80	1150	6.2106	5.6034	6.2370	6.2453
STR 549	010YR2 4Hr	737.50	734.99	0.0010	61.59	61.86	1150	12.1609	11.7039	12.1864	12.1904
STR 549	1 1/4" 24hr	737.50	731.23	0.0009	9.67	9.70	1092	12.2620	12.0500	12.2575	12.2784
STR 549	100YR0 1hr	737.50	736.68	0.0022	73.62	74.31	1150	0.7409	0.6588	0.8406	0.8591
STR 549	100YR0 2hr	737.50	737.05	0.0023	75.91	76.56	1150	1.2247	1.1270	1.3860	1.3859
STR 549	100YR0 3hr	737.50	737.09	0.0021	76.12	76.77	1150	1.7176	1.6113	1.8837	1.8831
STR 549	100YR0 6hr	737.50	737.28	0.0018	79.35	79.99	1150	3.1951	3.0713	3.4023	3.3978
STR 549	100YR1 2hr	737.50	737.09	0.0013	78.98	79.66	1150	6.1569	6.0187	6.3277	6.3255
STR 549	100YR2 4hr	737.50	736.61	0.0010	75.97	76.73	1150	12.1168	11.6944	12.2306	12.2325
STR 568	002YR0 1HR	738.11	732.68	-0.0010	22.05	22.17	703	0.8684	1.5114	0.8758	0.8873
STR 568	002YR0 2HR	738.11	732.96	-0.0010	25.29	25.49	703	1.3451	1.7550	1.3597	1.3700

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
STR 568	002YR0 3HR	738.11	733.01	0.0010	25.85	26.06	703	1.8338	1.5602	1.8510	1.8611
STR 568	002YR0 6HR	738.11	733.37	0.0010	29.64	29.99	703	3.2933	2.7008	3.3247	3.3340
STR 568	002YR1 2HR	738.11	733.59	0.0010	31.62	32.06	703	6.2482	5.6548	6.2809	6.2975
STR 568	002YR2 4HR	738.11	733.65	0.0010	32.14	32.51	703	12.1924	12.0269	12.2265	12.2369
STR 568	010YR0 1Hr	738.11	734.37	0.0010	39.39	39.69	703	0.8121	0.5770	0.8530	0.8552
STR 568	010YR0 2Hr	738.11	734.91	0.0010	44.21	44.71	703	1.2928	1.0415	1.3495	1.3494
STR 568	010YR0 3Hr	738.11	734.96	0.0010	44.66	45.18	703	1.7836	1.4089	1.8429	1.8458
STR 568	010YR0 6Hr	738.11	735.48	0.0010	48.78	49.40	703	3.2562	3.0818	3.3139	3.3151
STR 568	010YR1 2Hr	738.11	735.57	0.0010	49.05	49.70	703	6.2182	6.0334	6.2745	6.2826
STR 568	010YR2 4Hr	738.11	735.29	0.0010	47.48	48.12	703	12.1690	11.8397	12.2380	12.2426
STR 568	1 1/4" 24hr	738.11	731.36	0.0009	7.89	7.92	672	12.2739	12.0670	12.2775	12.2895
STR 568	100YR0 1hr	738.11	736.92	0.0017	55.48	56.21	703	0.7530	0.6593	0.8687	0.8706
STR 568	100YR0 2hr	738.11	737.23	0.0018	60.49	61.13	703	1.2359	1.1274	1.4275	1.4322
STR 568	100YR0 3hr	738.11	737.27	0.0016	61.00	61.64	703	1.7266	1.6120	1.9302	1.9307
STR 568	100YR0 6hr	738.11	737.44	0.0015	65.30	65.90	703	3.2049	3.1005	3.4428	3.4442
STR 568	100YR1 2hr	738.11	737.28	0.0011	63.59	64.18	703	6.1687	6.0580	6.3705	6.3722
STR 568	100YR2 4hr	738.11	736.88	-0.0010	57.11	57.91	703	12.1238	12.3122	12.2441	12.2460
STR 569	002YR0 1HR	738.11	732.77	-0.0010	21.88	21.89	590	0.8702	1.6758	0.8647	0.8758
STR 569	002YR0 2HR	738.11	733.05	-0.0010	25.03	25.11	590	1.3470	2.1534	1.3507	1.3606
STR 569	002YR0 3HR	738.11	733.11	-0.0010	25.57	25.67	590	1.8360	2.2865	1.8426	1.8521
STR 569	002YR0 6HR	738.11	733.46	0.0010	29.21	29.43	590	3.2965	3.1139	3.3182	3.3258
STR 569	002YR1 2HR	738.11	733.68	0.0010	31.19	31.39	590	6.2503	6.0788	6.2757	6.2826
STR 569	002YR2	738.11	733.74	0.0010	31.72	31.89	590	12.1944	12.0269	12.2222	12.2277

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	4HR										
STR 569	010YR0 1Hr	738.11	734.48	-0.0010	38.78	39.06	590	0.8150	1.3550	0.8519	0.8540
STR 569	010YR0 2Hr	738.11	735.04	0.0010	43.38	43.87	590	1.2964	1.1336	1.3473	1.3496
STR 569	010YR0 3Hr	738.11	735.10	0.0010	43.84	44.32	590	1.7870	1.3875	1.8359	1.8436
STR 569	010YR0 6Hr	738.11	735.65	0.0010	47.77	48.38	590	3.2598	3.0877	3.3118	3.3146
STR 569	010YR1 2Hr	738.11	735.74	0.0010	48.06	48.65	590	6.2214	6.0334	6.2658	6.2808
STR 569	010YR2 4Hr	738.11	735.45	0.0010	46.50	47.12	590	12.1730	11.7806	12.2331	12.2402
STR 569	1 1/4" 24hr	738.11	731.48	0.0009	7.86	7.84	570	12.2750	12.0828	12.2622	12.2775
STR 569	100YR0 1hr	738.11	737.06	0.0017	54.29	54.95	590	0.7594	0.6599	0.8664	0.8688
STR 569	100YR0 2hr	738.11	737.34	0.0017	59.50	60.07	590	1.2445	1.1286	1.4246	1.4281
STR 569	100YR0 3hr	738.11	737.37	0.0016	60.01	60.61	590	1.7364	1.6255	1.9259	1.9305
STR 569	100YR0 6hr	738.11	737.52	0.0015	64.33	64.91	590	3.2154	3.1008	3.4410	3.4433
STR 569	100YR1 2hr	738.11	737.38	-0.0012	62.58	63.16	590	6.1758	6.3863	6.3694	6.3709
STR 569	100YR2 4hr	738.11	737.03	-0.0010	55.83	56.56	590	12.1335	12.3122	12.2424	12.2443
Str400	002YR0 1HR	742.42	740.76	0.0002	1.19	1.05	4394	1.9442	0.5044	0.6999	1.1035
Str400	002YR0 2HR	742.42	740.77	0.0002	1.56	1.22	4613	2.0858	0.9958	1.1835	1.5956
Str400	002YR0 3HR	742.42	740.78	0.0002	1.67	1.27	4670	3.0670	1.4896	1.6667	1.9303
Str400	002YR0 6HR	742.42	740.81	0.0002	2.38	1.74	5120	3.3166	2.9779	3.1639	3.3146
Str400	002YR1 2HR	742.42	740.86	0.0003	3.14	2.41	5777	6.2252	5.7560	6.1172	6.2276
Str400	002YR2 4HR	742.42	740.90	0.0003	3.61	3.07	6329	12.1591	10.8736	12.0832	12.1618
Str400	010YR0 1Hr	742.42	740.87	0.0003	3.46	2.58	5931	0.8217	0.4934	0.6833	0.8235
Str400	010YR0 2Hr	742.42	740.91	0.0002	4.40	3.26	6472	1.2838	1.0169	1.1771	1.2858
Str400	010YR0 3Hr	742.42	740.92	0.0002	4.64	3.45	6608	1.7708	1.5022	1.6666	1.7729

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Str400	010YR0 6Hr	742.42	740.97	0.0003	5.99	4.56	7340	3.2275	2.7441	3.1333	3.2292
Str400	010YR1 2Hr	742.42	741.01	0.0005	6.52	5.32	7799	6.1849	5.1698	6.1000	6.1850
Str400	010YR2 4Hr	742.42	741.02	0.0003	6.32	5.53	7927	12.1393	9.2147	12.0667	12.1395
Str400	1 1/4" 24hr	742.42	740.71	0.0002	0.55	0.55	3785	14.1147	12.0336	13.8700	14.1539
Str400	100YR0 1hr	742.42	741.05	0.0002	8.49	6.41	8404	0.7603	0.5202	0.6667	0.7604
Str400	100YR0 2hr	742.42	741.12	0.0002	10.70	8.19	9264	1.2417	1.0196	1.1559	1.2418
Str400	100YR0 3hr	742.42	741.14	0.0002	11.30	8.74	9505	1.7304	1.3915	1.6500	1.7305
Str400	100YR0 6hr	742.42	741.20	0.0003	13.23	10.65	10292	3.2020	2.4608	3.1333	3.2020
Str400	100YR1 2hr	742.42	741.21	0.0003	12.64	11.08	10404	7.1386	4.0880	6.1000	7.1396
Str400	100YR2 4hr	742.42	741.20	0.0001	11.39	10.81	10364	13.0508	11.6453	12.0833	13.0513
Str400A	002YR0 1HR	748.93	741.84	0.0004	0.88	0.88	113	1.6456	0.8644	1.6384	1.6464
Str400A	002YR0 2HR	748.93	741.87	0.0004	1.03	1.03	113	2.3948	1.3226	2.4339	2.4332
Str400A	002YR0 3HR	748.93	741.88	0.0004	1.08	1.08	113	3.3477	1.8048	3.3400	3.3609
Str400A	002YR0 6HR	748.93	741.91	0.0002	1.22	1.22	113	6.0353	3.2339	6.1978	6.1790
Str400A	002YR1 2HR	748.93	741.95	0.0002	1.49	1.49	113	8.8749	5.4130	8.8571	8.8749
Str400A	002YR2 4HR	748.93	742.02	-0.0010	2.00	2.00	113	14.0789	69.0432	14.0498	14.0789
Str400A	010YR0 1Hr	748.93	741.94	0.0001	1.42	1.42	113	1.6398	0.8208	1.6582	1.6452
Str400A	010YR0 2Hr	748.93	742.07	0.0001	2.38	2.38	113	2.3766	2.1211	2.3969	2.3878
Str400A	010YR0 3Hr	748.93	742.09	0.0001	2.55	2.55	113	3.2647	2.6248	3.2827	3.2684
Str400A	010YR0 6Hr	748.93	742.15	0.0002	3.00	3.00	113	5.0831	2.7226	5.1679	5.0957
Str400A	010YR1 2Hr	748.93	742.18	0.0003	3.29	3.29	113	7.7148	5.1574	7.7625	7.7790
Str400A	010YR2 4Hr	748.93	742.20	-0.0007	3.51	3.51	113	13.7157	71.7433	13.6597	13.6800
Str400A	1 1/4"	748.93	741.76	0.0002	0.52	0.52	113	14.2242	12.1625	14.3700	14.2242

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	24hr										
Str400A	100YR0 1hr	748.93	742.20	0.0002	3.48	3.48	113	1.5575	0.9393	1.5742	1.5775
Str400A	100YR0 2hr	748.93	742.26	0.0002	4.16	4.16	113	2.3765	1.3751	2.3885	2.3808
Str400A	100YR0 3hr	748.93	742.32	0.0002	4.76	4.76	114	3.2396	1.8413	3.2485	3.2416
Str400A	100YR0 6hr	748.93	742.67	-0.0010	9.05	9.05	118	4.2364	5.2601	4.2333	4.2391
Str400A	100YR1 2hr	748.93	742.75	-0.0005	10.29	10.29	118	7.0993	8.2804	7.1219	7.0993
Str400A	100YR2 4hr	748.93	742.73	-0.0008	10.06	10.06	118	13.0234	14.1449	13.0199	13.0234
YI-Ex-03	002YR0 1HR	737.84	734.75	0.0010	10.06	9.89	608	0.8421	0.2930	0.8048	0.8245
YI-Ex-03	002YR0 2HR	737.84	734.92	0.0010	11.85	11.63	611	1.3257	0.2930	1.2919	1.3012
YI-Ex-03	002YR0 3HR	737.84	734.96	0.0010	12.26	12.03	611	1.8155	0.2930	1.7803	1.8032
YI-Ex-03	002YR0 6HR	737.84	735.20	0.0010	14.87	14.68	611	3.2824	0.2930	3.2538	3.2710
YI-Ex-03	002YR1 2HR	737.84	735.38	0.0010	16.89	16.71	611	6.2356	0.2930	6.2111	6.2250
YI-Ex-03	002YR2 4HR	737.84	735.44	0.0010	17.61	17.45	611	12.1793	0.2930	12.1571	12.1816
YI-Ex-03	010YR0 1Hr	737.84	735.75	0.0010	21.56	21.25	611	0.8055	0.2930	0.7788	0.7943
YI-Ex-03	010YR0 2Hr	737.84	736.04	0.0010	25.20	24.99	611	1.2853	0.2930	1.2648	1.2756
YI-Ex-03	010YR0 3Hr	737.84	736.09	0.0010	25.69	25.50	611	1.7773	0.2930	1.7515	1.7645
YI-Ex-03	010YR0 6Hr	737.84	736.42	0.0010	29.38	29.31	611	3.2481	0.2930	3.2243	3.2384
YI-Ex-03	010YR1 2Hr	737.84	736.48	0.0010	29.93	29.90	611	6.2102	0.2930	6.2000	6.2033
YI-Ex-03	010YR2 4Hr	737.84	736.35	0.0010	29.12	29.18	611	12.1444	0.2930	12.1519	12.1572
YI-Ex-03	1 1/4" 24hr	737.84	734.04	0.0006	3.66	3.62	521	12.2359	0.2931	12.2072	12.2270
YI-Ex-03	100YR0 1hr	737.84	736.83	0.0010	32.62	32.60	611	0.8036	0.2930	0.7834	0.8003
YI-Ex-03	100YR0 2hr	737.84	737.06	0.0010	33.82	33.86	611	1.2865	1.1409	1.2854	1.4907
YI-Ex-03	100YR0 3hr	737.84	737.10	0.0010	34.22	34.33	611	1.7841	1.6250	1.9719	1.9704

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
YI-Ex-03	100YR0 6hr	737.84	737.26	-0.0010	35.89	35.99	611	3.2565	4.8917	3.3875	3.3821
YI-Ex-03	100YR1 2hr	737.84	737.37	-0.0013	36.02	36.12	611	6.7095	7.5515	6.2932	6.2921
YI-Ex-03	100YR2 4hr	737.84	737.50	0.0010	35.06	35.03	611	12.5980	13.5625	12.1500	12.1501
YI-Ex31 6	002YR0 1HR	737.55	735.18	-0.0006	8.02	7.79	593	0.8172	0.9115	0.7667	0.7900
YI-Ex31 6	002YR0 2HR	737.55	735.36	-0.0009	9.33	9.05	593	1.3046	2.2507	1.2532	1.2764
YI-Ex31 6	002YR0 3HR	737.55	735.40	-0.0010	9.60	9.32	593	1.7956	3.1943	1.7500	1.7688
YI-Ex31 6	002YR0 6HR	737.55	735.67	-0.0009	11.38	11.04	593	3.2671	6.2762	3.2185	3.2406
YI-Ex31 6	002YR1 2HR	737.55	735.87	-0.0009	12.49	12.23	593	6.2217	6.3153	6.1839	6.2011
YI-Ex31 6	002YR2 4HR	737.55	735.94	-0.0009	12.60	12.43	593	12.1680	12.2548	12.1338	12.1498
YI-Ex31 6	010YR0 1Hr	737.55	736.44	-0.0009	16.17	15.97	594	0.7918	0.8781	0.7502	0.7577
YI-Ex31 6	010YR0 2Hr	737.55	736.93	0.0010	18.49	18.31	594	1.2742	1.1763	1.2408	1.2510
YI-Ex31 6	010YR0 3Hr	737.55	737.00	-0.0010	18.73	18.55	594	1.7659	3.2029	1.7335	1.7419
YI-Ex31 6	010YR0 6Hr	737.55	737.59	0.0011	21.00	20.81	923	3.2431	3.1191	3.2224	3.2179
YI-Ex31 6	010YR1 2Hr	737.55	737.67	-0.0010	21.63	20.84	2595	6.2146	6.2592	6.1743	6.1576
YI-Ex31 6	010YR2 4Hr	737.55	737.46	0.0009	19.81	19.78	593	12.1496	11.9959	12.1403	12.1472
YI-Ex31 6	1 1/4" 24hr	737.55	734.46	0.0007	3.08	3.01	566	12.2036	12.0247	12.1639	12.1897
YI-Ex31 6	100YR0 1hr	737.55	738.17	-0.0090	26.85	23.94	13435	0.9092	1.0751	0.7500	0.6713
YI-Ex31 6	100YR0 2hr	737.55	738.37	-0.0095	28.57	25.50	17814	1.4355	1.6821	1.2480	1.5669
YI-Ex31 6	100YR0 3hr	737.55	738.40	-0.0091	28.77	25.45	18592	1.9306	2.1970	1.7333	2.0500
YI-Ex31 6	100YR0 6hr	737.55	738.53	-0.0049	29.88	24.02	21319	3.4185	3.8452	3.2159	3.4832
YI-Ex31 6	100YR1 2hr	737.55	738.48	-0.0026	28.94	22.50	20322	6.3965	6.8271	6.1717	6.3882
YI-Ex31 6	100YR2 4hr	737.55	738.35	-0.0010	26.93	21.13	17489	12.3778	12.7069	12.1333	11.9840
YI-Ex31	002YR0	738.38	735.35	-0.0006	7.51	7.23	598	0.8022	0.8980	0.7500	0.7668

Node Name	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 <sup>2</sup> ]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
7	1HR										
YI-Ex31 7	002YR0 2HR	738.38	735.52	-0.0008	8.95	8.56	598	1.2928	1.3960	1.2333	1.2511
YI-Ex31 7	002YR0 3HR	738.38	735.56	-0.0008	9.20	8.81	598	1.7843	3.1943	1.7167	1.7384
YI-Ex31 7	002YR0 6HR	738.38	735.83	-0.0007	11.03	10.53	598	3.2580	3.3943	3.2000	3.2174
YI-Ex31 7	002YR1 2HR	738.38	736.04	-0.0010	12.13	11.66	598	6.2160	6.3153	6.1666	6.1828
YI-Ex31 7	002YR2 4HR	738.38	736.11	-0.0010	12.18	11.84	598	12.1635	12.2548	12.1167	12.1337
YI-Ex31 7	010YR0 1Hr	738.38	736.76	-0.0010	15.93	15.62	598	0.7854	0.8830	0.7333	0.7476
YI-Ex31 7	010YR0 2Hr	738.38	737.35	0.0010	18.48	18.19	598	1.2692	1.1802	1.2333	1.2337
YI-Ex31 7	010YR0 3Hr	738.38	737.43	0.0010	18.75	18.42	598	1.7598	1.6671	1.7167	1.7207
YI-Ex31 7	010YR0 6Hr	738.38	738.13	0.0013	21.23	20.90	598	3.2325	3.1218	3.1833	3.2004
YI-Ex31 7	010YR1 2Hr	738.38	738.22	0.0011	21.53	21.31	598	6.1890	6.0681	6.1500	6.1670
YI-Ex31 7	010YR2 4Hr	738.38	737.94	0.0010	19.79	19.59	598	12.1480	12.0016	12.1167	12.1173
YI-Ex31 7	1 1/4" 24hr	738.38	734.70	0.0005	2.58	2.52	547	12.1778	12.0031	12.1334	12.1645
YI-Ex31 7	100YR0 1hr	738.38	738.88	-0.0028	31.30	26.76	10916	0.8399	1.0110	0.7333	0.6722
YI-Ex31 7	100YR0 2hr	738.38	739.11	-0.0035	36.43	27.48	15866	1.3535	1.6155	1.2167	1.1397
YI-Ex31 7	100YR0 3hr	738.38	739.14	-0.0035	37.07	27.35	16616	1.8496	2.1262	1.7167	1.6263
YI-Ex31 7	100YR0 6hr	738.38	739.28	-0.0020	40.79	27.02	19667	3.3423	3.7192	3.1833	3.0878
YI-Ex31 7	100YR1 2hr	738.38	739.22	0.0014	38.03	25.68	18417	6.3046	5.9881	6.1500	6.0426
YI-Ex31 7	100YR2 4hr	738.38	739.02	-0.0010	31.59	24.07	13910	12.2424	12.4975	12.1166	11.9960

**APPENDIX B**

**STORM SEWER DESIGN**

**CALCULATIONS**



# Bluffs at Youngs Creek Section 5A

Job #83540

Post Developed Site

Runoff Coefficients &  
Weighted Curve Numbers

Structure #	Total Drainage Area										CN <sub>w</sub> = $0.85A_{imp} + 0.16A_{perv} + 0.5A_{ag}$										98A <sub>imp</sub> + 80A <sub>perv</sub>			ICPR Basin #	ICPR Basin CN
	Total Drainage Area (ac)	Total Pavement Area A <sub>imp</sub> (sq. ft.)	Total Pavement Area A <sub>imp</sub> (ac)	Total Roof Area A <sub>imp</sub> (sq. ft.)	Total Roof Area A <sub>imp</sub> (ac)	Total Impervious Area A <sub>imp</sub> (sq. ft.)	Total Impervious Area A <sub>imp</sub> (ac)	Total Pervious Area A <sub>perv</sub> (ac)	Total Agricultural Area A <sub>ag</sub> (ac)	Sub-Basin Weighted C-Factor	Sub-Basin Weighted CN	Total Drainage Area		Area	CN <sub>w</sub>										
												C <sub>w</sub>	CN <sub>w</sub>												
507	0.57	9038	0.21	4860	0.11	13898	0.32	0.25	0.00	0.55	90.1			501	4.11		66.51								
508	0.76	11391	0.26	8506	0.20	19898	0.46	0.30	0.00	0.57	90.8														
524	0.34	5756	0.13	0	0.00	5756	0.13	0.21	0.00	0.43	87.0			524	0.34		87								
525	0.62	9381	0.22	7391	0.17	16773	0.39	0.23	0.00	0.59	91.2			525	0.62		91								
534	0.24	0	0.00	3739	0.09	3739	0.09	0.15	0.00	0.41	86.4														
535	0.18	2971	0.07	0	0.00	2971	0.07	0.11	0.00	0.42	86.8			522	4.40		81.21								
536	0.32	4457	0.10	3000	0.07	7457	0.17	0.15	0.00	0.53	89.6														
554	0.81	12440	0.29	8880	0.20	21320	0.49	0.32	0.00	0.58	90.9			549	5.17		89.24								
555	0.81	12436	0.29	9305	0.21	21741	0.50	0.31	0.00	0.59	91.1														
563	0.80	12302	0.28	8867	0.20	21169	0.49	0.31	0.00	0.58	90.9			542	8.07		89.31								
564	0.80	12306	0.28	8982	0.21	21288	0.49	0.31	0.00	0.58	91.0														
574	0.57	0	0.00	8760	0.20	8760	0.20	0.37	0.00	0.40	86.4														
575	0.30	5358	0.12	0	0.00	5358	0.12	0.18	0.00	0.44	87.4														
576	0.30	5357	0.12	0	0.00	5357	0.12	0.18	0.00	0.44	87.4														
577	1.17	0	0.00	16166	0.37	16166	0.37	0.80	0.00	0.38	85.7														
578	1.29	0	0.00	19377	0.44	19377	0.44	0.84	0.00	0.40	86.2														
Lake 3	8.61	0	0.00	37389	0.86	37389	0.86	7.75	0.00	0.23	81.8			Lake 3	42.75		87.21								
Lake 3 Section 5A Int	6.08	48075	1.10	44303	1.02	92378	2.12	3.96	0.00	0.40	86.3			Lake 3	6.01		52.15								
Lake 3 Section 5A Int - Offsite	31.45	0	0.00	0	0.00	0	0.00	31.45	0.00	0.16	80.0			Lake 3	31.45		80.00								

# Bluffs at Youngs Creek Section 5A

Job #83540

Post-Developed Site

Time of Concentrations

Section 5A

Basin	Sheet Flow						Manual (L/V)						
	Description	n =	L = (ft)	P <sub>2</sub> = (in)	s = (ft/ft)	T <sub>1</sub> = .007(nL) <sup>0.8</sup> /(P <sub>2</sub> <sup>0.5</sup> S <sub>0.4</sub> ) (hrs)	Description	S =	V = (ft/s)	L = (ft)	T <sub>1</sub> = L/V (hrs)	T <sub>c</sub> (total) (hrs)	T <sub>c</sub> (total) (min)
507	Dense Grasses	0.24	75	2.71	0.0248	0.1884	Paved/Unpaved	0.006	1.574616	65	0.0115	0.1999	12.0
508	Dense Grasses	0.24	75	2.71	0.0111	0.2598	Paved	0.006	1.574616	170	0.0300	0.2898	17.4
524	Dense Grasses	0.24	50	2.71	0.0822	0.0843	Paved	0.0088	1.906954	120	0.0175	0.1018	6.1
525	Dense Grasses	0.24	80	2.71	0.0145	0.2459	Paved	0.0088	1.906954	70	0.0102	0.2561	15.4
534	Dense Grasses	0.24	70	2.71	0.01	0.2564	Unpaved	0.01	1.61345	70	0.0121	0.2684	16.1
535	Dense Grasses	0.24	50	2.71	0.01	0.1959	Paved	0.01	2.03282	135	0.0184	0.2143	12.9
536	Dense Grasses	0.24	75	2.71	0.0095	0.2765	Paved	0.01	2.03282	145	0.0198	0.2963	17.8
554	Dense Grasses	0.24	75	2.71	0.01	0.2709	Paved	0.008	1.818209	200	0.0306	0.3015	18.1
555	Dense Grasses	0.24	75	2.71	0.01	0.2709	Paved	0.008	1.818209	235	0.0359	0.3068	18.4
563	Dense Grasses	0.24	75	2.71	0.01	0.2709	Paved	0.008	1.818209	195	0.0298	0.3007	18.0
564	Dense Grasses	0.24	75	2.71	0.01	0.2709	Paved	0.008	1.818209	240	0.0367	0.3076	18.5
574	Dense Grasses	0.24	65	2.71	0.02	0.1831	Unpaved	0.006	1.249773	0	0.0000	0.1831	11.0
575	Dense Grasses	0.24	78	2.71	0.02	0.2119	Paved	0.008	1.818209	0	0.0000	0.2119	12.7
576	Dense Grasses	0.24	78	2.71	0.02	0.2119	Paved	0.0053	1.479915	0	0.0000	0.2119	12.7
577	Dense Grasses	0.24	65	2.71	0.02	0.1831	Unpaved	0.01	1.61345	0	0.0000	0.1831	11.0
578	Dense Grasses	0.24	65	2.71	0.02	0.1831	Unpaved	0.0055	1.196567	0	0.0000	0.1831	11.0
Lake 3	Dense Grasses	0.24	100	2.71	0.02	0.2584	Unpaved	0.0074	1.387942	0	0.0000	0.2584	15.5
Lake 3 Section 5A Int - Offsite	Dense Grasses	0.24	100	2.71	0.002	0.6492	Unpaved	0.00117155	0.55225	1195	0.6011	1.2503	75.0

## Project Description

File Name ..... Section 5A interim 05-09-2023.SPF  
Description ..... Bluffs Section 3 Revised 7-21-20 1602.SPF

## Project Options

Flow Units ..... CFS  
Elevation Type ..... Elevation  
Hydrology Method ..... Rational  
Time of Concentration (TOC) Method ..... User-Defined  
Link Routing Method ..... Steady Flow  
Enable Overflow Ponding at Nodes ..... YES  
Skip Steady State Analysis Time Periods ..... NO

## Analysis Options

Start Analysis On ..... Apr 12, 2019 00:00:00  
End Analysis On ..... Apr 13, 2019 00:00:00  
Start Reporting On ..... Apr 12, 2019 00:00:00  
Antecedent Dry Days ..... 0 days  
Runoff (Dry Weather) Time Step ..... 0 01:00:00 days hh:mm:ss  
Runoff (Wet Weather) Time Step ..... 0 00:05:00 days hh:mm:ss  
Reporting Time Step ..... 0 00:05:00 days hh:mm:ss  
Routing Time Step ..... 30 seconds

## Number of Elements

	Qty
Rain Gages .....	0
Subbasins.....	115
Nodes.....	145
<i>Junctions</i> .....	137
<i>Outfalls</i> .....	3
<i>Flow Diversions</i> .....	0
<i>Inlets</i> .....	0
<i>Storage Nodes</i> .....	5
Links.....	142
<i>Channels</i> .....	0
<i>Pipes</i> .....	139
<i>Pumps</i> .....	0
<i>Orifices</i> .....	0
<i>Weirs</i> .....	0
<i>Outlets</i> .....	3
Pollutants .....	0
Land Uses .....	0

## Rainfall Details

Return Period..... 10 year(s)

## Subbasin Summary

SN	Subbasin ID	Area	Weighted Runoff Coefficient	Total Rainfall	Total Runoff	Total Runoff Volume	Peak Runoff	Time of Concentration
		(ac)		(in)	(in)	(ac-in)	(cfs)	(days hh:mm:ss)
1	Sub316	0.68	0.3400	1.12	0.38	0.26	1.05	0 00:14:48
2	Sub317	0.73	0.3300	0.96	0.32	0.23	1.22	0 00:11:24
3	Sub318	1.44	0.6700	1.13	0.76	1.09	4.35	0 00:15:00
4	Sub319	1.20	0.6700	1.13	0.76	0.91	3.64	0 00:15:00
5	Sub437	0.35	0.5800	0.83	0.48	0.17	1.14	0 00:08:54
6	Sub438	0.53	0.6800	1.29	0.88	0.47	1.41	0 00:19:48
7	Sub444	1.15	0.3300	1.09	0.36	0.41	1.77	0 00:14:00
8	Sub445	0.93	0.6600	1.07	0.71	0.66	2.88	0 00:13:42
9	Sub446	0.95	0.6100	0.94	0.57	0.54	3.00	0 00:10:48
10	Sub447	1.28	0.3900	0.93	0.36	0.47	2.58	0 00:10:54
11	Sub450	0.46	0.5900	1.13	0.67	0.31	1.23	0 00:15:00
12	Sub451	0.64	0.5400	1.13	0.61	0.39	1.56	0 00:15:00
13	Sub455	1.04	0.6100	1.13	0.69	0.72	2.87	0 00:15:00
14	Sub456	0.62	0.4600	1.13	0.52	0.32	1.29	0 00:15:00
15	Sub463	0.88	0.5700	1.15	0.65	0.58	2.23	0 00:15:30
16	Sub464	0.78	0.5400	1.24	0.67	0.52	1.72	0 00:18:12
17	Sub466	0.61	0.4500	1.24	0.56	0.34	1.12	0 00:18:12
18	Sub467	0.40	0.3900	0.88	0.34	0.14	0.84	0 00:09:54
19	Sub468	0.33	0.4400	1.31	0.58	0.19	0.56	0 00:20:30
20	Sub469	0.25	0.4000	1.29	0.52	0.13	0.39	0 00:19:36
21	Sub470	0.74	0.3700	1.33	0.49	0.36	1.03	0 00:21:06
22	Sub472	0.63	0.5700	1.19	0.68	0.43	1.53	0 00:16:53
23	Sub473	0.70	0.5300	1.29	0.68	0.48	1.45	0 00:19:48
24	Sub474	0.76	0.3500	1.17	0.41	0.31	1.16	0 00:16:12
25	Sub475	0.67	0.5300	1.22	0.65	0.43	1.46	0 00:17:54
26	Sub476	0.72	0.5700	1.24	0.71	0.51	1.68	0 00:18:12
27	Sub477	0.16	0.5000	1.17	0.59	0.09	0.35	0 00:16:12
28	Sub478	0.05	0.4800	1.05	0.50	0.03	0.12	0 00:13:06
29	Sub480	0.75	0.5500	1.08	0.59	0.44	1.93	0 00:13:48
30	Sub481	0.68	0.5300	1.16	0.62	0.42	1.59	0 00:15:48
31	Sub482	0.84	0.3800	1.19	0.45	0.38	1.36	0 00:16:53
32	Sub483	1.02	0.4400	1.19	0.52	0.53	1.92	0 00:16:36
33	Sub484	0.31	0.4300	0.88	0.38	0.12	0.72	0 00:09:54
34	Sub485	0.51	0.5900	1.23	0.72	0.37	1.24	0 00:17:48
35	Sub487	0.29	0.4500	0.64	0.29	0.08	0.88	0 00:05:42
36	Sub488	0.51	0.5900	1.18	0.70	0.36	1.29	0 00:16:30
37	Sub489	0.39	0.3400	1.33	0.45	0.18	0.50	0 00:21:12
38	Sub490	0.18	0.4300	0.86	0.37	0.07	0.43	0 00:09:18
39	Sub491	0.33	0.5300	1.22	0.65	0.21	0.72	0 00:17:54
40	Sub492	0.60	0.5700	1.14	0.65	0.39	1.54	0 00:15:06
41	Sub493	0.68	0.5700	1.21	0.69	0.47	1.63	0 00:17:18
42	Sub494	0.64	0.5800	1.31	0.76	0.49	1.43	0 00:20:18
43	Sub495	0.37	0.4100	0.86	0.35	0.13	0.84	0 00:09:18
44	Sub496	0.67	0.5500	1.23	0.68	0.45	1.51	0 00:18:00
45	Sub497	0.84	0.5300	1.22	0.65	0.55	1.85	0 00:17:36
46	Sub498	0.21	0.3600	0.83	0.30	0.06	0.43	0 00:08:48
47	Sub499	0.16	0.4200	1.07	0.45	0.07	0.32	0 00:13:36
48	Sub500	1.71	0.3000	1.36	0.41	0.70	1.90	0 00:22:00
49	Sub501	0.65	0.3700	1.30	0.48	0.31	0.93	0 00:20:24
50	Sub503	0.68	0.5700	1.24	0.71	0.48	1.58	0 00:18:18
51	Sub504	0.60	0.5800	1.22	0.71	0.42	1.44	0 00:17:42
52	Sub505	1.04	0.3700	1.35	0.50	0.52	1.43	0 00:21:48
53	Sub507	0.57	0.5500	0.99	0.55	0.31	1.56	0 00:12:00
54	Sub508	0.76	0.5700	1.21	0.69	0.52	1.81	0 00:17:24
55	Sub509	0.33	0.4400	1.13	0.50	0.16	0.66	0 00:15:00
56	Sub510	0.55	0.5800	1.13	0.66	0.36	1.44	0 00:15:00
57	Sub517	0.77	0.5600	1.22	0.68	0.52	1.80	0 00:17:30
58	Sub518	0.53	0.4800	1.27	0.61	0.32	1.00	0 00:19:24
59	Sub521	0.52	0.5200	1.19	0.62	0.32	1.16	0 00:16:36
60	Sub522	1.39	0.3600	1.23	0.44	0.62	2.06	0 00:18:00
61	Sub524	0.34	0.4300	0.68	0.29	0.10	0.96	0 00:06:06
62	Sub525	0.62	0.5900	1.14	0.67	0.42	1.63	0 00:15:24
63	Sub528	0.64	0.5400	1.10	0.59	0.38	1.60	0 00:14:06
64	Sub529	0.91	0.5300	1.30	0.69	0.63	1.86	0 00:20:12
65	Sub530	0.88	0.3300	1.24	0.41	0.36	1.18	0 00:18:18
66	Sub531	0.88	0.5700	1.01	0.58	0.51	2.46	0 00:12:18
67	Sub532	0.88	0.5600	1.21	0.68	0.60	2.07	0 00:17:18
68	Sub533	0.51	0.3200	1.20	0.38	0.19	0.70	0 00:16:48
69	Sub534	0.24	0.4100	1.17	0.48	0.12	0.43	0 00:16:06
70	Sub535	0.18	0.4200	1.03	0.43	0.08	0.36	0 00:12:54
71	Sub536	0.32	0.5300	1.23	0.65	0.21	0.70	0 00:17:48
72	Sub539	0.33	0.5700	1.20	0.68	0.22	0.80	0 00:16:48
73	Sub540	0.33	0.5500	1.22	0.67	0.22	0.76	0 00:17:30
74	Sub541	0.54	0.3700	1.16	0.43	0.23	0.88	0 00:15:54
75	Sub542	1.05	0.3900	1.34	0.52	0.55	1.53	0 00:21:30
76	Sub543	0.71	0.5700	1.16	0.66	0.47	1.78	0 00:15:48
77	Sub544	0.71	0.5800	1.14	0.66	0.47	1.84	0 00:15:24
78	Sub546	0.86	0.4000	1.16	0.46	0.40	1.51	0 00:15:54
79	Sub547	0.32	0.4300	0.98	0.42	0.14	0.69	0 00:11:54
80	Sub548	0.51	0.5900	1.20	0.71	0.36	1.27	0 00:17:00
81	Sub549	0.74	0.3900	1.16	0.45	0.33	1.27	0 00:15:54
82	Sub550	0.45	0.5700	1.22	0.70	0.31	1.06	0 00:17:42

## Subbasin Summary

SN Subbasin ID	Area	Weighted Runoff Coefficient	Total Rainfall	Total Runoff	Total Runoff Volume	Peak Runoff	Time of Concentration
	(ac)		(in)	(in)	(ac-in)	(cfs)	(days hh:mm:ss)
83 Sub551	0.45	0.5700	1.22	0.70	0.31	1.06	0 00:17:42
84 Sub552	0.78	0.4000	1.14	0.46	0.36	1.39	0 00:15:24
85 Sub554	0.81	0.5800	1.24	0.72	0.58	1.92	0 00:18:06
86 Sub555	0.81	0.5900	1.24	0.73	0.59	1.94	0 00:18:24
87 Sub556	0.44	0.5500	1.02	0.56	0.25	1.17	0 00:12:42
88 Sub557	0.44	0.5600	1.23	0.69	0.30	1.01	0 00:18:00
89 Sub558	0.71	0.3900	1.15	0.45	0.32	1.23	0 00:15:30
90 Sub559	0.73	0.5600	1.09	0.61	0.45	1.89	0 00:14:12
91 Sub560	0.67	0.5500	1.22	0.67	0.45	1.53	0 00:17:36
92 Sub561	0.32	0.4300	0.77	0.33	0.11	0.81	0 00:07:54
93 Sub562	0.59	0.5500	1.24	0.68	0.40	1.32	0 00:18:18
94 Sub563	0.80	0.5800	1.23	0.72	0.57	1.91	0 00:18:00
95 Sub564	0.80	0.5800	1.25	0.72	0.58	1.88	0 00:18:30
96 Sub565	0.53	0.5700	1.22	0.70	0.37	1.25	0 00:17:42
97 Sub566	0.58	0.5800	1.24	0.72	0.42	1.37	0 00:18:12
98 Sub568	0.31	0.4300	1.00	0.43	0.13	0.66	0 00:12:06
99 Sub569	0.51	0.6000	1.19	0.72	0.36	1.30	0 00:16:53
100 Sub570	0.31	0.4300	0.98	0.42	0.13	0.67	0 00:11:36
101 Sub571	0.47	0.4900	1.20	0.59	0.27	0.98	0 00:16:48
102 Sub574	0.29	0.3600	1.13	0.41	0.12	0.47	0 00:15:00
103 Sub575	0.16	0.2200	1.13	0.25	0.04	0.16	0 00:15:00
104 Sub576	0.16	0.2200	1.13	0.25	0.04	0.16	0 00:15:00
105 Sub577	0.58	0.3100	0.94	0.29	0.17	0.93	0 00:11:00
106 Sub578	0.73	0.3600	0.94	0.34	0.25	1.35	0 00:11:00
107 Sub592	0.75	0.3300	1.35	0.45	0.33	0.92	0 00:21:36
108 Sub593	0.59	0.5500	1.17	0.65	0.38	1.41	0 00:16:06
109 Sub594	0.30	0.4400	0.98	0.43	0.13	0.66	0 00:11:42
110 SubEX314	0.19	0.4200	1.13	0.48	0.09	0.36	0 00:15:00
111 SubEX315	0.19	0.4200	1.13	0.48	0.09	0.36	0 00:15:00
112 SubEX315A	0.99	0.3300	1.13	0.37	0.37	1.48	0 00:15:00
113 Sub-L3Offsite	31.45	0.1800	2.11	0.38	11.95	9.55	0 01:15:00
114 SubLake2	7.74	0.2400	1.15	0.28	2.13	8.25	0 00:15:30
115 SubPondA	16.97	0.6700	1.30	0.87	14.73	44.18	0 00:20:00

## Node Summary

SN	Element ID	Element Type	Invert Elevation	Ground/Rim (Max) Elevation	Initial Water Elevation	Surcharge Elevation	Ponded Area	Peak Inflow	Max HGL Elevation Attained	Max Surcharge Depth Attained	Min Freeboard Attained	Time of Peak Flooding Occurrence	Total Flooded Volume	Total Time Flooded
			(ft)	(ft)	(ft)	(ft)	(ft²)	(cfs)	(ft)	(ft)	(ft)	(days hh:mm)	(ac-in)	(min)
1	314	Junction	729.86	733.89	729.86	733.89	0.00	2.20	730.43	0.00	3.46	0 00:00	0.00	0.00
2	315	Junction	730.00	733.80	730.00	733.80	0.00	1.84	730.53	0.00	3.27	0 00:00	0.00	0.00
3	316	Junction	733.55	737.55	733.55	737.55	0.00	17.57	737.55	0.00	0.00	0 00:15	0.33	9.00
4	316A	Junction	729.12	731.22	729.12	731.22	0.00	2.20	729.98	0.00	1.24	0 00:00	0.00	0.00
5	317	Junction	734.01	738.38	734.01	738.38	0.00	11.90	735.58	0.00	2.80	0 00:00	0.00	0.00
6	318	Junction	734.47	739.02	734.47	739.02	0.00	8.08	735.64	0.00	3.38	0 00:00	0.00	0.00
7	319	Junction	734.50	739.03	734.50	739.03	0.00	3.73	735.50	0.00	3.53	0 00:00	0.00	0.00
8	437	Junction	746.33	749.94	746.33	749.94	0.00	1.14	746.70	0.00	3.23	0 00:00	0.00	0.00
9	438	Junction	743.92	749.94	743.92	749.94	0.00	1.77	746.42	0.00	3.51	0 00:00	0.00	0.00
10	444	Junction	733.74	739.02	733.74	739.02	0.00	18.52	739.02	0.00	0.00	0 00:13	0.14	6.00
11	445	Junction	736.22	739.64	736.22	739.64	0.00	5.29	737.28	0.00	2.36	0 00:00	0.00	0.00
12	445A	Junction	736.33	739.66	736.33	739.66	0.00	0.00	736.33	0.00	3.33	0 00:00	0.00	0.00
13	446	Junction	736.30	739.64	736.30	739.64	0.00	3.00	737.13	0.00	2.50	0 00:00	0.00	0.00
14	446A	Junction	736.33	739.66	736.33	739.66	0.00	0.00	736.33	0.00	3.33	0 00:00	0.00	0.00
15	447	Junction	737.31	744.56	737.31	744.56	0.00	4.23	740.04	0.00	4.52	0 00:00	0.00	0.00
16	450	Junction	736.10	740.72	736.10	740.72	0.00	1.23	736.49	0.00	4.23	0 00:00	0.00	0.00
17	451	Junction	735.80	740.72	735.80	740.72	0.00	2.79	736.66	0.00	4.06	0 00:00	0.00	0.00
18	453	Junction	735.09	742.75	735.09	744.25	0.00	6.95	739.54	0.00	3.21	0 00:00	0.00	0.00
19	455	Junction	743.90	747.92	743.90	747.92	0.00	4.16	744.44	0.00	3.48	0 00:00	0.00	0.00
20	456	Junction	744.75	747.92	744.75	747.92	0.00	1.29	745.06	0.00	2.86	0 00:00	0.00	0.00
21	460	Junction	735.00	736.52	735.00	736.52	0.00	1.18	735.55	0.00	0.97	0 00:00	0.00	0.00
22	461	Junction	734.69	741.20	734.69	741.20	0.00	1.18	735.34	0.00	5.86	0 00:00	0.00	0.00
23	462	Junction	734.27	739.19	734.27	739.38	0.00	1.18	734.92	0.00	4.27	0 00:00	0.00	0.00
24	463	Junction	734.09	738.80	734.09	738.81	0.00	3.41	735.02	0.00	3.78	0 00:00	0.00	0.00
25	464	Junction	733.94	738.80	733.94	738.81	0.00	4.88	735.16	0.00	3.64	0 00:00	0.00	0.00
26	465	Junction	733.63	738.00	733.63	739.00	0.00	11.07	735.25	0.00	2.75	0 00:00	0.00	0.00
27	466	Junction	733.16	738.38	733.16	738.39	0.00	12.10	734.88	0.00	3.50	0 00:00	0.00	0.00
28	467	Junction	732.99	738.38	732.99	738.39	0.00	12.36	734.71	0.00	3.67	0 00:00	0.00	0.00
29	468	Junction	732.76	738.55	732.76	738.00	0.00	14.16	734.74	0.00	3.81	0 00:00	0.00	0.00
30	469	Junction	732.60	738.40	732.60	738.00	0.00	17.65	734.75	0.00	3.65	0 00:00	0.00	0.00
31	470	Junction	732.27	738.10	732.27	737.00	0.00	18.50	734.42	0.00	3.68	0 00:00	0.00	0.00
32	471	Junction	732.03	739.20	732.03	738.26	0.00	18.75	734.38	0.00	4.82	0 00:00	0.00	0.00
33	472	Junction	731.83	738.42	731.83	738.08	0.00	20.28	734.28	0.00	4.14	0 00:00	0.00	0.00
34	473	Junction	731.70	738.08	731.70	738.08	0.00	21.51	734.14	0.00	3.94	0 00:00	0.00	0.00
35	474	Junction	731.44	737.70	731.44	737.70	0.00	27.08	733.98	0.00	3.72	0 00:00	0.00	0.00
36	475	Junction	733.00	737.34	733.00	737.34	0.00	3.11	733.72	0.00	3.62	0 00:00	0.00	0.00
37	476	Junction	733.31	737.34	733.31	737.34	0.00	1.68	733.81	0.00	3.53	0 00:00	0.00	0.00
38	477	Junction	735.19	739.00	735.19	738.76	0.00	0.44	735.39	0.00	3.61	0 00:00	0.00	0.00
39	478	Junction	735.83	739.00	735.83	738.76	0.00	0.11	735.94	0.00	3.06	0 00:00	0.00	0.00
40	480	Junction	736.15	739.32	736.15	739.32	0.00	1.93	736.92	0.00	2.40	0 00:00	0.00	0.00
41	481	Junction	735.90	739.32	735.90	739.32	0.00	3.32	736.84	0.00	2.48	0 00:00	0.00	0.00
42	482	Junction	738.23	740.25	738.23	741.40	0.00	1.36	738.84	0.00	1.41	0 00:00	0.00	0.00
43	483	Junction	734.46	737.90	734.46	739.30	0.00	3.30	735.47	0.00	2.43	0 00:00	0.00	0.00
44	484	Junction	735.02	738.37	735.02	738.37	0.00	1.40	735.68	0.00	2.69	0 00:00	0.00	0.00
45	485	Junction	735.20	738.37	735.20	738.37	0.00	1.24	735.76	0.00	2.61	0 00:00	0.00	0.00
46	486	Junction	737.57	741.47	737.57	741.45	0.00	1.36	738.28	0.00	3.19	0 00:00	0.00	0.00
47	487	Junction	737.37	740.79	737.37	740.79	0.00	1.36	738.05	0.00	2.74	0 00:00	0.00	0.00
48	488	Junction	737.19	740.79	737.19	740.79	0.00	2.62	737.99	0.00	2.80	0 00:00	0.00	0.00
49	489	Junction	735.80	740.00	735.80	740.00	0.00	5.49	737.30	0.00	2.70	0 00:00	0.00	0.00
50	490	Junction	735.55	741.10	735.55	741.10	0.00	5.59	736.78	0.00	4.32	0 00:00	0.00	0.00
51	491	Junction	735.42	741.10	735.42	741.10	0.00	6.25	736.75	0.00	4.35	0 00:00	0.00	0.00
52	492	Junction	733.92	738.39	733.92	738.37	0.00	6.25	735.32	0.00	3.07	0 00:00	0.00	0.00
53	493	Junction	734.05	738.39	734.05	738.37	0.00	4.87	735.31	0.00	3.08	0 00:00	0.00	0.00
54	494	Junction	734.05	737.56	734.05	737.41	0.00	1.49	734.61	0.00	2.95	0 00:00	0.00	0.00
55	495	Junction	734.23	737.56	734.23	737.41	0.00	0.84	734.67	0.00	2.89	0 00:00	0.00	0.00
56	496	Junction	735.21	738.64	735.21	738.64	0.00	3.34	735.96	0.00	2.68	0 00:00	0.00	0.00
57	497	Junction	735.46	738.64	735.46	738.64	0.00	1.85	736.05	0.00	2.59	0 00:00	0.00	0.00
58	498	Junction	734.60	738.27	734.60	738.13	0.00	0.63	734.90	0.00	3.37	0 00:00	0.00	0.00
59	499	Junction	734.95	738.27	734.95	738.13	0.00	0.32	735.15	0.00	3.12	0 00:00	0.00	0.00
60	500	Junction	733.13	735.15	733.13	736.30	0.00	1.90	733.72	0.00	1.43	0 00:00	0.00	0.00
61	501	Junction	730.51	737.20	730.51	737.50	0.00	36.76	733.34	0.00	3.86	0 00:00	0.00	0.00
62	502	Junction	730.83	738.44	730.83	738.46	0.00	30.04	733.30	0.00	5.14	0 00:00	0.00	0.00
63	503	Junction	730.98	738.09	730.98	738.10	0.00	30.04	733.38	0.00	4.71	0 00:00	0.00	0.00
64	504	Junction	731.13	738.09	731.13	738.10	0.00	28.52	733.62	0.00	4.47	0 00:00	0.00	0.00
65	505	Junction	731.98	734.35	731.98	735.50	0.00	4.21	732.88	0.00	1.47	0 00:00	0.00	0.00
66	506	Junction	732.78	738.62	732.78	738.63	0.00	3.18	733.69	0.00	4.93	0 00:00	0.00	0.00
67	507	Junction	733.61	737.12	733.61	736.97	0.00	2.81	734.44	0.00	2.68	0 00:00	0.00	0.00
68	508	Junction	733.79	737.12	733.79	736.97	0.00	1.81	734.52	0.00	2.60	0 00:00	0.00	0.00
69	509	Junction	733.54	737.76	733.54	737.76	0.00	2.10	734.23	0.00	3.53	0 00:00	0.00	0.00
70	510	Junction	733.73	737.76	733.73	737.76	0.00	1.44	734.32	0.00	3.44	0 00:00	0.00	0.00
71	512	Junction	725.20	733.00	725.20	733.00	0.00	4.25	729.20	0.00	3.80	0 00:00	0.00	0.00
72	513	Junction	729.00	736.30	729.00	736.30	0.00	4.25	729.53	0.00	6.77	0 00:00	0.00	0.00
73	516	Junction	729.18	737.09	729.18	736.00	0.00	19.72	731.66	0.00	5.43	0 00:00	0.00	0.00
74	517	Junction	729.39	737.86	729.39	736.81	0.00	19.72	731.77	0.00	6.09	0 00:00	0.00	0.00
75	518	Junction	729.52	737.86	729.52	736.81	0.00	17.99	731.73	0.00	6.13	0 00:00	0.00	0.00
76	519	Junction	729.66	738.35	729.66	737.33	0.00	17.13	731.94	0.00	6.41	0 00:00	0.00	0.00
77	520	Junction	729.84	736.90	729.84	737.10	0.00	17.13	732.08	0.00	4.82	0 00:00	0.00	0.00
78	521	Junction	729.98	736.10	729.98	736.30	0.00	17.13	732.14	0.00	3.96	0 00:00	0.00	0.00
79	522	Junction	730.31	735.85	730.31	736.10	0.00	12.05	732.25	0.00	3.60	0 00:00	0.00	0.00
80	523	Junction	730.61	738.17	730.61	737.10	0.00	4.66	731.75	0.00	6.42	0 00:00	0.00	0.00
81	524	Junction	730.79	737.69	730.79	735.95	0.00	4.66	731.92	0.00	5.77	0 00:00	0.00	0.00

## Node Summary

SN	Element ID	Element Type	Invert Elevation	Ground/Rim (Max) Elevation	Initial Water Elevation	Surcharge Elevation	Ponded Area	Peak Inflow	Max HGL Elevation Attained	Max Surcharge Depth Attained	Min Freeboard Attained	Time of Peak Flooding Occurrence	Total Flooded Volume	Total Time Flooded
			(ft)	(ft)	(ft)	(ft)	(ft²)	(cfs)	(ft)	(ft)	(ft)	(days hh:mm)	(ac-in)	(min)
82	525	Junction	730.96	737.69	730.96	735.95	0.00	4.66	732.10	0.00	5.59	0 00:00	0.00	0.00
83	527	Junction	731.50	738.60	731.50	738.60	0.00	4.44	732.54	0.00	6.06	0 00:00	0.00	0.00
84	528	Junction	730.21	737.70	730.21	734.92	0.00	4.01	731.28	0.00	6.42	0 00:00	0.00	0.00
85	529	Junction	730.30	737.70	730.30	734.92	0.00	2.93	731.21	0.00	6.49	0 00:00	0.00	0.00
86	530	Junction	730.72	733.20	730.72	733.60	0.00	1.18	731.26	0.00	1.94	0 00:00	0.00	0.00
87	531	Junction	730.57	736.69	730.57	734.94	0.00	5.63	731.99	0.00	4.70	0 00:00	0.00	0.00
88	532	Junction	730.72	736.69	730.72	734.94	0.00	4.06	731.78	0.00	4.91	0 00:00	0.00	0.00
89	533	Junction	731.13	733.90	731.13	733.90	0.00	2.02	731.84	0.00	2.06	0 00:00	0.00	0.00
90	534	Junction	731.85	734.60	731.85	734.60	0.00	1.33	732.43	0.00	2.17	0 00:00	0.00	0.00
91	535	Junction	732.26	736.73	732.26	736.16	0.00	0.92	732.75	0.00	3.98	0 00:00	0.00	0.00
92	536	Junction	732.45	736.73	732.45	736.16	0.00	0.70	732.84	0.00	3.89	0 00:00	0.00	0.00
93	538	Junction	729.05	737.50	729.05	737.50	0.00	70.71	733.08	0.00	4.42	0 00:00	0.00	0.00
94	539	Junction	729.26	738.09	729.26	738.09	0.00	70.71	733.19	0.00	4.90	0 00:00	0.00	0.00
95	540	Junction	729.38	738.09	729.38	738.09	0.00	69.92	733.38	0.00	4.71	0 00:00	0.00	0.00
96	541	Junction	729.57	737.75	729.57	737.90	0.00	69.18	733.47	0.00	4.28	0 00:00	0.00	0.00
97	542	Junction	729.99	735.65	729.99	736.30	0.00	15.30	732.28	0.00	3.37	0 00:00	0.00	0.00
98	543	Junction	730.32	736.62	730.32	736.38	0.00	9.99	731.94	0.00	4.68	0 00:00	0.00	0.00
99	544	Junction	730.57	736.62	730.57	736.38	0.00	8.22	731.88	0.00	4.74	0 00:00	0.00	0.00
100	545	Junction	731.14	735.51	731.14	736.20	0.00	6.58	732.35	0.00	3.16	0 00:00	0.00	0.00
101	546	Junction	731.45	735.15	731.45	735.80	0.00	6.58	732.43	0.00	2.72	0 00:00	0.00	0.00
102	547	Junction	733.35	737.62	733.35	736.73	0.00	1.66	733.97	0.00	3.65	0 00:00	0.00	0.00
103	548	Junction	733.56	737.62	733.56	736.73	0.00	1.27	734.08	0.00	3.54	0 00:00	0.00	0.00
104	549	Junction	729.80	737.50	729.80	737.70	0.00	50.34	733.41	0.00	4.09	0 00:00	0.00	0.00
105	550	Junction	730.56	737.46	730.56	736.57	0.00	8.30	731.85	0.00	5.61	0 00:00	0.00	0.00
106	551	Junction	730.78	737.46	730.78	736.57	0.00	7.24	732.10	0.00	5.36	0 00:00	0.00	0.00
107	552	Junction	731.29	735.20	731.29	736.00	0.00	6.18	732.51	0.00	2.69	0 00:00	0.00	0.00
108	553	Junction	731.58	733.85	731.58	735.00	0.00	3.85	732.57	0.00	1.28	0 00:00	0.00	0.00
109	554	Junction	733.75	737.51	733.75	737.36	0.00	3.85	734.62	0.00	2.89	0 00:00	0.00	0.00
110	555	Junction	733.93	737.51	733.93	737.36	0.00	1.94	734.70	0.00	2.81	0 00:00	0.00	0.00
111	556	Junction	729.96	737.10	729.96	735.43	0.00	3.01	732.73	0.00	4.37	0 00:00	0.00	0.00
112	557	Junction	732.12	737.10	732.12	735.43	0.00	2.10	732.84	0.00	4.26	0 00:00	0.00	0.00
113	558	Junction	732.85	734.10	732.85	734.00	0.00	1.23	733.33	0.00	0.77	0 00:00	0.00	0.00
114	559	Junction	732.38	736.65	732.38	736.01	0.00	3.12	733.19	0.00	3.46	0 00:00	0.00	0.00
115	560	Junction	732.62	736.65	732.62	736.01	0.00	1.53	733.16	0.00	3.49	0 00:00	0.00	0.00
116	561	Junction	733.31	737.62	733.31	736.72	0.00	1.38	733.90	0.00	3.72	0 00:00	0.00	0.00
117	562	Junction	733.55	737.62	733.55	736.72	0.00	1.32	734.04	0.00	3.58	0 00:00	0.00	0.00
118	563	Junction	732.84	737.35	732.84	736.45	0.00	3.73	733.69	0.00	3.66	0 00:00	0.00	0.00
119	564	Junction	733.02	737.35	733.02	736.45	0.00	1.88	733.77	0.00	3.58	0 00:00	0.00	0.00
120	565	Junction	733.49	737.71	733.49	737.71	0.00	2.59	734.16	0.00	3.55	0 00:00	0.00	0.00
121	566	Junction	733.68	737.71	733.68	737.71	0.00	1.37	734.25	0.00	3.46	0 00:00	0.00	0.00
122	567	Junction	730.00	738.55	730.00	738.62	0.00	38.40	733.37	0.00	5.18	0 00:00	0.00	0.00
123	568	Junction	730.12	738.11	730.12	738.11	0.00	38.40	733.39	0.00	4.72	0 00:00	0.00	0.00
124	569	Junction	730.24	738.11	730.24	738.11	0.00	38.02	733.25	0.00	4.86	0 00:00	0.00	0.00
125	570	Junction	733.70	737.97	733.70	737.68	0.00	1.35	734.21	0.00	3.76	0 00:00	0.00	0.00
126	571	Junction	733.94	737.97	733.94	737.68	0.00	0.98	734.35	0.00	3.62	0 00:00	0.00	0.00
127	573	Junction	731.64	737.00	731.64	737.80	0.00	2.86	732.59	0.00	4.41	0 00:00	0.00	0.00
128	574	Junction	731.86	736.10	731.86	736.10	0.00	2.86	732.73	0.00	3.37	0 00:00	0.00	0.00
129	575	Junction	732.21	738.57	732.21	738.58	0.00	2.51	733.02	0.00	5.55	0 00:00	0.00	0.00
130	576	Junction	732.35	738.57	732.35	738.58	0.00	2.39	733.18	0.00	5.39	0 00:00	0.00	0.00
131	577	Junction	732.74	736.70	732.74	736.00	0.00	2.28	733.47	0.00	3.23	0 00:00	0.00	0.00
132	578	Junction	733.74	736.00	733.74	736.00	0.00	1.35	734.30	0.00	1.70	0 00:00	0.00	0.00
133	592	Junction	736.48	738.85	736.48	739.00	0.00	2.51	737.53	0.00	1.32	0 00:00	0.00	0.00
134	593	Junction	737.22	740.59	737.22	740.59	0.00	1.82	737.94	0.00	2.65	0 00:00	0.00	0.00
135	594	Junction	737.42	740.59	737.42	740.59	0.00	0.66	737.78	0.00	2.81	0 00:00	0.00	0.00
136	644	Junction	735.14	741.40	735.14	742.59	0.00	6.25	736.52	0.00	4.88	0 00:00	0.00	0.00
137	646	Junction	735.20	738.80	735.20	741.20	0.00	3.32	736.10	0.00	2.70	0 00:00	0.00	0.00
138	Out-1305-316	Outfall	733.40					14.80	735.90					
139	Out-1316B-316A	Outfall	728.96					2.20	729.82					
140	Out-1511-512	Outfall	725.00					4.25	725.79					
141	315A	Storage Node	731.59	736.00	731.59		0.00	1.48	731.86				0.00	0.00
142	Lake2	Storage Node	735.00	741.00	735.00		0.00	24.28	735.33				0.00	0.00
143	Lake3	Storage Node	731.50	737.00	731.50		0.00	9.55	732.10				0.00	0.00
144	Lake4	Storage Node	729.00	733.00	729.00		0.00	90.43	730.70				0.00	0.00
145	PondA	Storage Node	734.55	739.00	734.55		0.00	44.18	735.39				0.00	0.00

## Link Summary

SN Element ID	Element Type	From (Inlet) Node	To (Outlet) Node	Length (ft)	Inlet Invert Elevation (ft)	Outlet Invert Elevation (ft)	Average Slope (%)	Diameter or Height (in)	Manning's Roughness	Peak Flow (cfs)	Design Flow Capacity (cfs)	Peak Flow/Design Flow Ratio	Peak Flow Velocity (ft/sec)	Peak Flow Depth (ft)	Peak Flow Depth/Total Depth Ratio	Total Time Reported (min)	Surcharged Condition
1 305-316	Pipe	316	Out-1305-316	135.17	733.55	733.40	0.1100	30.00	0.0120	14.80	14.80	1.00	3.44	2.50	1.00	9.00	SURCHARGED
2 314-315	Pipe	315	314	28.89	730.00	729.86	0.4800	15.00	0.0120	1.84	4.87	0.38	3.69	0.53	0.43	0.00	Calculated
3 315-315A	Pipe	315A	315	37.14	731.59	730.00	4.2800	15.00	0.0120	1.48	14.48	0.10	7.59	0.27	0.22	0.00	Calculated
4 316-444	Pipe	444	316	137.44	733.74	733.55	0.1400	30.00	0.0120	16.52	16.52	1.00	3.84	2.50	1.00	6.00	SURCHARGED
5 316A-314	Pipe	314	316A	189.83	729.86	729.12	0.3900	18.00	0.0120	2.20	7.10	0.31	3.54	0.57	0.38	0.00	Calculated
6 316B-316A	Pipe	316A	Out-1316B-316A	167.09	729.12	728.96	0.1000	18.00	0.0120	2.20	3.52	0.62	2.10	0.86	0.57	0.00	Calculated
7 317-318	Pipe	318	317	174.81	734.47	734.01	0.2600	24.00	0.0120	8.08	12.57	0.64	4.25	1.17	0.58	0.00	Calculated
8 317-447	Pipe	447	317	165.11	737.31	734.01	2.0000	15.00	0.0120	4.23	9.90	0.43	7.75	0.57	0.46	0.00	Calculated
9 318-319	Pipe	319	318	28.76	734.50	734.47	0.1000	24.00	0.0120	3.73	7.92	0.47	2.48	0.97	0.48	0.00	Calculated
10 319-319A	Pipe	PondA	319	167.43	734.55	734.50	0.0300	12.00	0.0120	0.67	0.67	1.00	0.97	1.00	1.00	36.00	SURCHARGED
11 438-437	Pipe	437	438	28.00	746.33	746.05	1.0000	12.00	0.0120	1.14	3.86	0.30	4.28	0.37	0.37	0.00	Calculated
12 444-317	Pipe	317	444	195.27	734.01	733.74	0.1400	30.00	0.0120	11.90	16.52	0.72	3.66	1.57	0.63	0.00	Calculated
13 444-445	Pipe	445	444	184.78	736.22	735.66	0.3000	18.00	0.0120	5.29	6.23	0.85	3.96	1.06	0.71	0.00	Calculated
14 445-445A	Pipe	445A	445	10.00	736.33	736.30	0.3000	12.00	0.0120	0.00	2.11	0.00	0.00	0.00	0.00	0.00	Calculated
15 445-446	Pipe	446	445	28.00	736.30	736.22	0.3000	15.00	0.0120	3.00	3.83	0.78	3.46	0.83	0.67	0.00	Calculated
16 446-446A	Pipe	446A	446	10.00	736.33	736.30	0.3000	12.00	0.0120	0.00	2.11	0.00	0.00	0.00	0.00	0.00	Calculated
17 447-438	Pipe	438	447	169.99	743.92	739.67	2.5000	12.00	0.0120	1.77	6.10	0.29	6.73	0.37	0.37	0.00	Calculated
18 451-450	Pipe	450	451	28.00	736.10	735.90	0.7100	15.00	0.0120	1.23	5.91	0.21	3.80	0.39	0.31	0.00	Calculated
19 453-451	Pipe	451	453	163.50	735.80	735.19	0.3700	15.00	0.0150	2.79	3.43	0.81	3.11	0.86	0.69	0.00	Calculated
20 453-454	Pipe	453	Lake2	72.62	735.09	735.00	0.1200	24.00	0.0120	6.95	8.49	0.82	3.01	1.38	0.69	0.00	Calculated
21 453-455	Pipe	455	453	136.00	743.90	739.00	3.6000	12.00	0.0120	4.16	7.33	0.57	9.62	0.54	0.54	0.00	Calculated
22 455-456	Pipe	456	455	28.00	744.75	744.00	2.6800	12.00	0.0120	1.29	6.32	0.20	6.31	0.31	0.31	0.00	Calculated
23 461-460	Pipe	460	461	78.92	735.00	734.79	0.2700	12.00	0.0120	1.18	1.99	0.59	2.64	0.55	0.55	0.00	Calculated
24 462-461	Pipe	461	462	120.00	734.69	734.37	0.2700	12.00	0.0120	1.18	1.99	0.59	2.64	0.55	0.55	0.00	Calculated
25 463-462	Pipe	462	463	29.20	734.27	734.19	0.2700	12.00	0.0120	1.18	2.02	0.58	2.67	0.55	0.55	0.00	Calculated
26 464-463	Pipe	463	464	28.00	734.09	734.04	0.1800	18.00	0.0120	3.41	4.81	0.71	2.95	0.93	0.62	0.00	Calculated
27 465-464	Pipe	464	465	179.20	733.94	733.73	0.1200	21.00	0.0120	4.88	5.88	0.97	2.73	1.22	0.70	0.00	Calculated
28 465-492	Pipe	492	465	136.00	733.92	733.73	0.1400	21.00	0.0120	6.25	6.42	0.93	3.04	1.40	0.80	0.00	Calculated
29 466-465	Pipe	465	466	178.00	733.63	733.26	0.2100	24.00	0.0120	11.07	11.17	0.99	4.05	1.62	0.81	0.00	Calculated
30 467-466	Pipe	466	467	28.00	733.16	733.09	0.2500	24.00	0.0120	12.10	12.25	0.99	4.45	1.62	0.81	0.00	Calculated
31 468-467	Pipe	467	468	157.66	733.09	732.76	0.2100	30.00	0.0120	12.36	20.33	0.61	4.34	1.41	0.56	0.00	Calculated
32 468-494	Pipe	494	468	136.00	734.05	733.49	0.4100	12.00	0.0120	1.49	2.48	0.60	3.30	0.56	0.56	0.00	Calculated
33 469-468	Pipe	468	469	55.00	732.76	732.70	0.1100	30.00	0.0120	14.16	14.68	0.96	3.40	1.98	0.79	0.00	Calculated
34 469-496	Pipe	496	469	136.00	735.21	734.00	0.8900	12.00	0.0120	3.34	3.64	0.92	5.25	0.75	0.75	0.00	Calculated
35 470-469	Pipe	469	470	145.48	732.60	732.37	0.1600	30.00	0.0120	17.65	17.67	1.00	4.10	2.05	0.82	0.00	Calculated
36 471-470	Pipe	470	471	80.00	732.27	732.13	0.1700	30.00	0.0120	18.50	18.59	1.00	4.32	2.04	0.82	0.00	Calculated
37 471-498	Pipe	498	471	89.79	734.60	732.13	2.7500	12.00	0.0120	0.63	6.40	0.10	5.19	0.21	0.21	0.00	Calculated
38 472-471	Pipe	471	472	136.00	732.03	731.93	0.0700	36.00	0.0120	18.75	19.59	0.96	3.15	2.35	0.78	0.00	Calculated
39 473-472	Pipe	472	473	28.00	731.83	731.80	0.1100	36.00	0.0120	20.28	23.65	0.86	3.76	2.14	0.71	0.00	Calculated
40 474-473	Pipe	473	474	177.68	731.70	731.54	0.0900	36.00	0.0120	21.51	21.68	0.99	3.50	2.44	0.81	0.00	Calculated
41 474-475	Pipe	475	474	177.66	733.00	731.44	0.8800	12.00	0.0120	3.11	3.62	0.86	5.18	0.72	0.72	0.00	Calculated
42 474-500	Pipe	500	474	280.00	733.13	731.54	0.5700	12.00	0.0120	1.90	2.91	0.65	3.94	0.59	0.59	0.00	Calculated
43 475-476	Pipe	476	475	28.00	733.31	733.10	0.7500	12.00	0.0120	1.68	3.34	0.50	4.26	0.50	0.50	0.00	Calculated
44 477-478	Pipe	478	477	28.00	735.83	735.29	1.9400	12.00	0.0120	0.11	5.37	0.02	2.63	0.10	0.10	0.00	Calculated
45 481-480	Pipe	480	481	28.00	736.15	736.07	0.2900	12.00	0.0120	1.93	2.98	0.94	2.98	0.77	0.77	0.00	Calculated
46 483-484	Pipe	484	483	175.01	735.02	734.56	0.2600	12.00	0.0120	1.40	1.98	0.71	2.73	0.62	0.62	0.00	Calculated
47 484-485	Pipe	485	484	28.00	735.20	735.12	0.2900	12.00	0.0120	1.24	2.06	0.60	2.75	0.56	0.56	0.00	Calculated
48 486-482	Pipe	482	486	214.36	738.23	737.67	0.2600	12.00	0.0120	1.36	1.97	0.69	2.71	0.61	0.61	0.00	Calculated
49 487-486	Pipe	486	487	34.10	737.57	737.47	0.3000	12.00	0.0120	1.36	2.11	0.64	2.85	0.58	0.58	0.00	Calculated
50 488-487	Pipe	487	488	28.00	737.37	737.29	0.3000	12.00	0.0120	1.36	2.11	0.64	2.85	0.58	0.58	0.00	Calculated
51 489-488	Pipe	488	489	142.71	737.19	736.50	0.4800	12.00	0.0120	2.62	2.68	0.98	3.88	0.80	0.80	0.00	Calculated
52 489-592	Pipe	592	489	280.00	736.48	735.90	0.2100	15.00	0.0120	2.51	3.19	0.79	2.88	0.84	0.67	0.00	Calculated
53 490-489	Pipe	489	490	162.16	735.90	735.55	0.2200	24.00	0.0120	5.49	11.39	0.48	3.59	0.98	0.49	0.00	Calculated
54 491-490	Pipe	490	491	28.00	735.55	735.52	0.1100	24.00	0.0120	4.87	8.02	0.70	2.76	1.23	0.61	0.00	Calculated
55 492-493	Pipe	493	492	28.16	734.05	734.02	0.1100	21.00	0.0120	5.89	5.60	0.87	2.62	1.26	0.72	0.00	Calculated
56 493-493	Pipe	493	493	136.00	734.46	734.15	0.2300	15.00	0.0120	3.30	3.34	0.99	3.10	1.01	0.81	0.00	Calculated
57 494-495	Pipe	495	494	28.00	734.23	734.15	0.2900	12.00	0.0120	0.84	2.06	0.41	2.49	0.44	0.44	0.00	Calculated
58 496-497	Pipe	497	496	28.00	735.46	735.31	0.5400	12.00	0.0120	1.85	2.83	0.65	3.83	0.59	0.59	0.00	Calculated



# Link Summary

SN Element ID	Element Type	From (Inlet) Node	To (Outlet) Node	Length (ft)	Inlet Invert Elevation (ft)	Outlet Invert Elevation (ft)	Average Slope (%)	Diameter or Height (in)	Manning's Roughness	Peak Flow (cfs)	Design Flow Capacity (cfs)	Peak Flow/Design Flow Ratio	Peak Flow Velocity (ft/sec)	Peak Flow Depth (ft)	Peak Flow Depth/Total Depth Ratio	Total Time Reported (min)	Surcharged Condition
59 498-499	Pipe	499	498	29.73	734.95	734.70	0.8400	12.000	0.0120	0.32	3.54	0.09	2.79	0.20	0.20	0.00	Calculated
60 501-502	Pipe	502	501	125.00	730.83	730.61	0.1800	36.000	0.0120	30.04	30.31	0.99	4.89	2.43	0.81	0.00	Calculated
61 501-505	Pipe	505	501	275.00	731.98	730.67	0.4800	15.000	0.0120	4.21	4.83	0.87	4.43	0.90	0.72	0.00	Calculated
62 501-509	Pipe	509	501	161.00	733.54	730.67	1.7800	12.000	0.0120	2.10	5.15	0.44	6.22	0.44	0.44	0.00	Calculated
63 502-503	Pipe	503	502	26.81	730.98	730.93	0.1900	36.000	0.0120	30.04	31.21	0.96	5.02	2.37	0.79	0.00	Calculated
64 503-504	Pipe	504	503	28.00	731.13	731.08	0.1800	36.000	0.0120	28.52	30.53	0.93	4.91	2.30	0.77	0.00	Calculated
65 504-474	Pipe	474	504	140.99	731.44	731.23	0.1500	36.000	0.0120	27.08	27.89	0.97	4.49	2.39	0.80	0.00	Calculated
66 505-506	Pipe	506	505	45.03	732.78	732.08	1.5500	15.000	0.0120	3.18	8.73	0.36	6.54	0.52	0.42	0.00	Calculated
67 506-477	Pipe	477	506	110.08	735.19	732.88	2.1000	12.000	0.0120	0.44	5.59	0.08	4.24	0.19	0.19	0.00	Calculated
68 506-507	Pipe	507	506	136.00	733.61	732.88	0.5400	12.000	0.0120	2.81	2.83	0.99	4.10	0.81	0.81	0.00	Calculated
69 507-508	Pipe	508	507	28.00	733.79	733.71	0.2900	12.000	0.0120	1.81	2.06	0.88	2.96	0.73	0.73	0.00	Calculated
70 509-510	Pipe	510	509	28.00	733.73	733.64	0.3200	12.000	0.0120	1.44	2.19	0.66	2.97	0.59	0.59	0.00	Calculated
71 511-512	Pipe	512	511	99.15	725.20	725.00	0.2000	30.000	0.0120	4.25	19.86	0.21	3.22	0.79	0.31	0.00	Calculated
72 512-513	Pipe	513	512	22.00	729.00	728.67	1.5000	21.000	0.0120	4.25	21.02	0.20	6.84	0.53	0.30	0.00	Calculated
73 514-515	Pipe	516	516	49.70	729.18	729.00	0.3600	36.000	0.0120	19.72	43.48	0.45	6.00	1.42	0.47	0.00	Calculated
74 516-517	Pipe	517	516	138.21	729.39	729.28	0.0800	36.000	0.0120	19.72	20.38	0.97	3.28	2.38	0.79	0.00	Calculated
75 517-518	Pipe	518	517	28.00	729.52	729.49	0.1100	36.000	0.0120	17.99	23.65	0.76	3.68	1.96	0.65	0.00	Calculated
76 518-519	Pipe	519	518	37.52	729.66	729.63	0.0800	36.000	0.0120	17.13	20.43	0.84	3.24	2.10	0.70	0.00	Calculated
77 519-520	Pipe	520	519	125.00	729.84	729.75	0.0700	36.000	0.0120	17.13	19.39	0.88	3.09	2.19	0.73	0.00	Calculated
78 520-521	Pipe	521	520	80.00	729.98	729.92	0.0800	36.000	0.0120	17.13	19.79	0.87	3.15	2.16	0.72	0.00	Calculated
79 521-522	Pipe	522	521	280.00	730.31	730.08	0.1800	30.000	0.0120	12.05	12.74	0.95	2.95	1.94	0.78	0.00	Calculated
80 521-528	Pipe	528	521	146.00	730.25	729.98	0.1800	18.000	0.0120	4.01	4.89	0.82	3.09	1.03	0.69	0.00	Calculated
81 522-523	Pipe	523	522	284.45	730.61	730.31	0.1100	24.000	0.0120	4.66	7.96	0.59	2.63	1.10	0.55	0.00	Calculated
82 522-531	Pipe	531	522	146.00	730.57	730.41	0.1100	21.000	0.0120	5.63	5.68	0.99	2.69	1.42	0.81	0.00	Calculated
83 523-524	Pipe	524	523	32.54	730.79	730.71	0.2500	18.000	0.0120	4.66	5.64	0.83	3.57	1.04	0.69	0.00	Calculated
84 524-525	Pipe	525	524	28.00	730.96	730.89	0.2500	18.000	0.0120	4.66	5.69	0.82	3.59	1.03	0.69	0.00	Calculated
85 526-527	Pipe	527	525	196.00	731.50	731.06	0.2200	18.000	0.0120	4.44	5.39	0.82	3.41	1.04	0.69	0.00	Calculated
86 528-529	Pipe	529	528	28.04	730.36	730.31	0.1800	18.000	0.0120	2.93	4.81	0.61	2.85	0.85	0.56	0.00	Calculated
87 529-530	Pipe	530	529	141.00	730.72	730.30	0.3000	12.000	0.0120	1.18	2.11	0.56	2.76	0.54	0.54	0.00	Calculated
88 531-532	Pipe	532	531	28.00	730.72	730.62	0.1800	18.000	0.0120	4.06	4.81	0.84	3.05	1.06	0.70	0.00	Calculated
89 532-533	Pipe	533	532	141.00	731.13	730.82	0.2200	15.000	0.0120	2.02	3.28	0.61	2.81	0.71	0.57	0.00	Calculated
90 533-534	Pipe	534	533	210.00	731.85	731.23	0.3000	12.000	0.0120	1.33	2.10	0.64	2.83	0.58	0.58	0.00	Calculated
91 534-535	Pipe	535	534	104.34	732.26	731.95	0.3000	12.000	0.0120	0.92	2.10	0.44	2.59	0.46	0.46	0.00	Calculated
92 535-536	Pipe	536	535	28.01	732.45	732.36	0.3200	12.000	0.0120	0.70	2.19	0.32	2.47	0.39	0.39	0.00	Calculated
93 538-539	Pipe	539	538	161.00	729.26	729.15	0.0700	60.000	0.0120	70.71	73.75	0.96	4.27	3.93	0.79	0.00	Calculated
94 538-Lake4	Pipe	538	Lake4	72.62	729.05	729.00	0.0700	60.000	0.0120	70.71	74.03	0.96	4.29	3.91	0.78	0.00	Calculated
95 539-540	Pipe	540	539	28.13	729.38	729.36	0.0700	60.000	0.0120	69.92	75.24	0.93	4.35	3.81	0.76	0.00	Calculated
96 540-541	Pipe	541	540	136.00	729.57	729.48	0.0700	60.000	0.0120	69.18	72.58	0.95	4.20	3.90	0.78	0.00	Calculated
97 541-542	Pipe	542	541	216.00	729.99	729.67	0.1500	30.000	0.0120	15.30	17.10	0.89	3.94	1.85	0.74	0.00	Calculated
98 541-549	Pipe	549	541	224.00	729.80	729.67	0.0600	54.000	0.0120	50.34	51.32	0.98	3.68	3.61	0.80	0.00	Calculated
99 541-556	Pipe	556	541	136.00	729.96	729.72	0.1800	18.000	0.0120	3.01	4.78	0.63	2.86	0.86	0.58	0.00	Calculated
100 542-543	Pipe	543	542	136.00	730.32	730.09	0.1700	24.000	0.0120	9.99	10.08	0.99	3.66	1.62	0.81	0.00	Calculated
101 542-559	Pipe	559	542	136.00	732.38	731.66	0.8700	12.000	0.0120	3.12	3.16	0.99	4.58	0.81	0.81	0.00	Calculated
102 542-561	Pipe	561	542	252.22	733.31	731.47	0.7300	12.000	0.0120	1.38	3.30	0.42	4.01	0.45	0.45	0.00	Calculated
103 543-544	Pipe	544	543	28.00	730.57	730.42	0.5400	18.000	0.0120	8.22	8.33	0.99	5.37	1.21	0.81	0.00	Calculated
104 544-545	Pipe	545	544	136.00	731.14	730.67	0.3500	18.000	0.0120	6.58	6.69	0.98	4.31	1.21	0.81	0.00	Calculated
105 545-546	Pipe	546	545	36.49	731.45	731.24	0.5800	18.000	0.0120	6.58	8.63	0.76	5.38	0.98	0.65	0.00	Calculated
106 546-547	Pipe	547	546	222.71	733.35	731.55	0.8100	12.000	0.0120	1.66	3.47	0.48	4.37	0.49	0.49	0.00	Calculated
107 546-563	Pipe	563	546	136.00	732.84	731.66	0.8700	15.000	0.0120	3.73	6.52	0.57	5.49	0.68	0.54	0.00	Calculated
108 547-548	Pipe	548	547	28.00	733.56	733.45	0.3900	12.000	0.0120	1.27	2.42	0.53	3.12	0.52	0.52	0.00	Calculated
109 549-550	Pipe	550	549	136.00	730.56	729.96	0.4400	21.000	0.0120	8.30	11.40	0.73	5.17	1.11	0.63	0.00	Calculated
110 549-565	Pipe	565	549	136.00	733.49	729.96	2.6000	12.000	0.0120	2.59	6.22	0.42	7.56	0.45	0.45	0.00	Calculated
111 549-567	Pipe	567	549	151.21	730.00	729.90	0.0700	48.000	0.0120	38.40	40.02	0.96	3.62	3.14	0.79	0.00	Calculated
112 550-551	Pipe	551	550	28.00	730.78	730.66	0.4300	18.000	0.0120	7.24	7.45	0.97	4.80	1.19	0.80	0.00	Calculated
113 551-552	Pipe	552	551	136.00	731.29	730.88	0.3000	18.000	0.0120	6.18	6.25	0.99	4.03	1.22	0.81	0.00	Calculated
114 552-553	Pipe	553	552	61.49	731.58	731.38	0.3300	15.000	0.0120	3.85	3.99	0.96	3.70	0.99	0.79	0.00	Calculated
115 552-570	Pipe	570	552	172.21	733.70	731.38	1.3500	12.000	0.0120	1.35	4.48	0.30	4.99	0.38	0.38	0.00	Calculated
116 553-554	Pipe	554	553	136.00	733.75	731.68	1.5200	12.000	0.0120	3.85	4.76	0.81	6.75	0.68	0.68	0.00	Calculated

## Link Summary

SN Element ID	Element Type	From (Inlet) Node	To (Outlet) Node	Length (ft)	Inlet Invert Elevation (ft)	Outlet Invert Elevation (ft)	Average Slope (%)	Diameter or Height (in)	Manning's Roughness	Peak Flow (cfs)	Design Flow Capacity (cfs)	Peak Flow/Design Flow Ratio	Peak Flow Velocity (ft/sec)	Peak Flow Depth (ft)	Peak Flow Depth/Total Depth Ratio	Total Time Reported Surcharged Condition (min)
117 554-555	Pipe	555	554	28.00	733.93	733.85	0.2900	12.000	0.0120	1.94	2.06	0.94	2.98	0.77	0.77	0.00 Calculated
118 556-557	Pipe	557	556	28.00	732.12	732.01	0.3900	12.000	0.0120	2.10	2.42	0.87	3.47	0.72	0.72	0.00 Calculated
119 557-558	Pipe	558	557	136.00	732.85	732.22	0.4600	12.000	0.0120	1.23	2.63	0.47	3.29	0.48	0.48	0.00 Calculated
120 559-560	Pipe	560	559	28.00	732.62	732.48	0.5000	12.000	0.0120	1.53	2.73	0.56	3.57	0.54	0.54	0.00 Calculated
121 561-562	Pipe	562	561	28.00	733.55	733.41	0.5000	12.000	0.0120	1.32	2.73	0.48	3.45	0.49	0.49	0.00 Calculated
122 563-564	Pipe	564	563	28.00	733.02	732.94	0.2900	12.000	0.0120	1.88	2.06	0.91	2.98	0.75	0.75	0.00 Calculated
123 565-566	Pipe	566	565	28.00	733.68	733.59	0.3200	12.000	0.0120	1.37	2.19	0.63	2.94	0.57	0.57	0.00 Calculated
124 567-568	Pipe	568	567	32.65	730.12	730.10	0.0600	48.000	0.0120	38.40	38.51	1.00	3.49	3.27	0.82	0.00 Calculated
125 568-569	Pipe	569	568	28.00	730.24	730.22	0.0700	48.000	0.0120	36.02	41.59	0.91	3.75	3.01	0.75	0.00 Calculated
126 569-501	Pipe	501	569	146.00	730.51	730.34	0.1200	42.000	0.0120	36.76	37.19	0.99	4.41	2.83	0.81	0.00 Calculated
127 570-571	Pipe	571	570	28.00	733.94	733.80	0.5000	12.000	0.0120	0.98	2.73	0.36	3.19	0.41	0.41	0.00 Calculated
128 572-573	Pipe	573	Lake3	140.15	731.64	731.50	0.1000	24.000	0.0120	2.86	7.61	0.38	2.25	0.85	0.42	0.00 Calculated
129 573-574	Pipe	574	573	130.86	731.86	731.74	0.1000	24.000	0.0120	2.86	7.57	0.38	2.24	0.85	0.43	0.00 Calculated
130 574-575	Pipe	575	574	228.00	732.21	731.96	0.1100	24.000	0.0120	2.51	8.03	0.31	2.26	0.77	0.38	0.00 Calculated
131 575-576	Pipe	576	575	28.00	732.35	732.31	0.1600	21.000	0.0120	2.39	6.88	0.35	2.60	0.71	0.41	0.00 Calculated
132 576-577	Pipe	577	576	221.00	732.74	732.45	0.1300	21.000	0.0120	2.28	6.22	0.37	2.38	0.73	0.42	0.00 Calculated
133 577-578	Pipe	578	577	420.00	733.74	732.84	0.2100	15.000	0.0120	1.35	3.24	0.42	2.52	0.56	0.45	0.00 Calculated
134 592-593	Pipe	593	592	141.31	737.22	736.81	0.2900	12.000	0.0120	1.82	2.08	0.88	2.98	0.73	0.73	0.00 Calculated
135 593-594	Pipe	594	593	28.00	737.42	737.32	0.3700	12.000	0.0120	0.66	2.36	0.28	2.58	0.36	0.36	0.00 Calculated
136 643-644	Pipe	644	Lake2	105.64	735.14	735.00	0.1300	24.000	0.0120	6.25	8.92	0.70	3.07	1.23	0.62	0.00 Calculated
137 644-491	Pipe	491	644	151.00	735.42	735.24	0.1200	24.000	0.0120	6.25	8.46	0.74	2.95	1.28	0.64	0.00 Calculated
138 645-646	Pipe	646	Lake2	51.29	735.20	735.00	0.3800	15.000	0.0120	3.32	4.34	0.76	3.89	0.82	0.65	0.00 Calculated
139 646-481	Pipe	481	646	151.00	735.90	735.30	0.4000	15.000	0.0120	3.32	4.42	0.75	3.95	0.81	0.65	0.00 Calculated
140 Lake2Outlet	Outlet	Lake2	460		735.00	735.00				0.00						
141 Lake3Outlet	Outlet	Lake3	527		731.50	731.50				1.51						
142 Lake4Outlet	Outlet	Lake4	513		729.00	729.00				4.25						

## Junction Input

SN	Element ID	Invert Elevation	Ground/Rim (Max) Elevation	Ground/Rim (Max) Offset Elevation	Initial Water Elevation	Initial Water Depth	Surcharge Elevation	Surcharge Depth	Ponded Area	Minimum Pipe Cover
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft²)	(in)
1	314	729.86	733.89	4.03	729.86	0.00	733.89	0.00	0.00	30.36
2	315	730.00	733.80	3.80	730.00	0.00	733.80	0.00	0.00	30.60
3	316	733.55	737.55	4.00	733.55	0.00	737.55	0.00	0.00	18.00
4	316A	729.12	731.22	2.10	729.12	0.00	731.22	0.00	0.00	7.20
5	317	734.01	738.38	4.37	734.01	0.00	738.38	0.00	0.00	22.44
6	318	734.47	739.02	4.55	734.47	0.00	739.02	0.00	0.00	30.60
7	319	734.50	739.03	4.53	734.50	0.00	739.03	0.00	0.00	30.40
8	437	746.33	749.94	3.61	746.33	0.00	749.94	0.00	0.00	31.28
9	438	743.92	749.94	6.02	743.92	0.00	749.94	0.00	0.00	34.64
10	444	733.74	739.02	5.28	733.74	0.00	739.02	0.00	0.00	22.30
11	445	736.22	739.64	3.42	736.22	0.00	739.64	0.00	0.00	23.06
12	445A	736.33	739.66	3.33	736.33	0.00	739.66	0.00	0.00	27.93
13	446	736.30	739.64	3.34	736.30	0.00	739.64	0.00	0.00	25.06
14	446A	736.33	739.66	3.33	736.33	0.00	739.66	0.00	0.00	27.93
15	447	737.31	744.56	7.25	737.31	0.00	744.56	0.00	0.00	46.71
16	450	736.10	740.72	4.62	736.10	0.00	740.72	0.00	0.00	40.45
17	451	735.80	740.72	4.92	735.80	0.00	740.72	0.00	0.00	42.85
18	453	735.09	742.75	7.66	735.09	0.00	744.25	1.50	0.00	33.00
19	455	743.90	747.92	4.02	743.90	0.00	747.92	0.00	0.00	35.00
20	456	744.75	747.92	3.17	744.75	0.00	747.92	0.00	0.00	26.00
21	460	735.00	736.52	1.52	735.00	0.00	736.52	0.00	0.00	0.00
22	461	734.69	741.20	6.51	734.69	0.00	741.20	0.00	0.00	64.92
23	462	734.27	739.19	4.92	734.27	0.00	739.38	0.19	0.00	45.84
24	463	734.09	738.80	4.71	734.09	0.00	738.81	0.01	0.00	38.52
25	464	733.94	738.80	4.86	733.94	0.00	738.81	0.01	0.00	37.32
26	465	733.63	738.00	4.37	733.63	0.00	739.00	1.00	0.00	28.44
27	466	733.16	738.38	5.22	733.16	0.00	738.39	0.01	0.00	37.44
28	467	732.99	738.38	5.39	732.99	0.00	738.39	0.01	0.00	33.48
29	468	732.76	738.55	5.79	732.76	0.00	738.00	-0.55	0.00	39.48
30	469	732.60	738.40	5.80	732.60	0.00	738.00	-0.40	0.00	38.40
31	470	732.27	738.10	5.83	732.27	0.00	737.00	-1.10	0.00	38.76
32	471	732.03	739.20	7.17	732.03	0.00	738.26	-0.94	0.00	50.04
33	472	731.83	738.42	6.59	731.83	0.00	738.08	-0.34	0.00	41.88
34	473	731.70	738.08	6.38	731.70	0.00	738.08	0.00	0.00	39.36
35	474	731.44	737.70	6.26	731.44	0.00	737.70	0.00	0.00	37.92
36	475	733.00	737.34	4.34	733.00	0.00	737.34	0.00	0.00	38.88
37	476	733.31	737.34	4.03	733.31	0.00	737.34	0.00	0.00	36.36
38	477	735.19	739.00	3.81	735.19	0.00	738.76	-0.24	0.00	32.52
39	478	735.83	739.00	3.17	735.83	0.00	738.76	-0.24	0.00	26.00
40	480	736.15	739.32	3.17	736.15	0.00	739.32	0.00	0.00	26.04
41	481	735.90	739.32	3.42	735.90	0.00	739.32	0.00	0.00	26.04
42	482	738.23	740.25	2.02	738.23	0.00	741.40	1.15	0.00	12.24
43	483	734.46	737.90	3.44	734.46	0.00	739.30	1.40	0.00	26.28
44	484	735.02	738.37	3.35	735.02	0.00	738.37	0.00	0.00	27.00
45	485	735.20	738.37	3.17	735.20	0.00	738.37	0.00	0.00	26.04
46	486	737.57	741.47	3.90	737.57	0.00	741.45	-0.02	0.00	33.60
47	487	737.37	740.79	3.42	737.37	0.00	740.79	0.00	0.00	27.84
48	488	737.19	740.79	3.61	737.19	0.00	740.79	0.00	0.00	30.09
49	489	735.80	740.00	4.20	735.80	0.00	740.00	0.00	0.00	25.20
50	490	735.55	741.10	5.55	735.55	0.00	741.10	0.00	0.00	42.60
51	491	735.42	741.10	5.68	735.42	0.00	741.10	0.00	0.00	42.96
52	492	733.92	738.39	4.47	733.92	0.00	738.37	-0.02	0.00	31.44
53	493	734.05	738.39	4.34	734.05	0.00	738.37	-0.02	0.00	31.08
54	494	734.05	737.56	3.51	734.05	0.00	737.41	-0.16	0.00	28.92
55	495	734.23	737.56	3.33	734.23	0.00	737.41	-0.16	0.00	27.96
56	496	735.21	738.64	3.43	735.21	0.00	738.64	0.00	0.00	27.96
57	497	735.46	738.64	3.18	735.46	0.00	738.64	0.00	0.00	26.16
58	498	734.60	738.27	3.67	734.60	0.00	738.13	-0.15	0.00	30.84
59	499	734.95	738.27	3.32	734.95	0.00	738.13	-0.15	0.00	27.84
60	500	733.13	735.15	2.02	733.13	0.00	736.30	1.15	0.00	12.24
61	501	730.51	737.20	6.69	730.51	0.00	737.50	0.30	0.00	38.28
62	502	730.83	738.44	7.61	730.83	0.00	738.46	0.02	0.00	54.12
63	503	730.98	738.09	7.11	730.98	0.00	738.10	0.01	0.00	48.12
64	504	731.13	738.09	6.96	731.13	0.00	738.10	0.01	0.00	46.32
65	505	731.98	734.35	2.37	731.98	0.00	735.50	1.15	0.00	12.24
66	506	732.78	738.62	5.84	732.78	0.00	738.63	0.01	0.00	55.08
67	507	733.61	737.12	3.51	733.61	0.00	736.97	-0.15	0.00	28.92
68	508	733.79	737.12	3.33	733.79	0.00	736.97	-0.15	0.00	27.96
69	509	733.54	737.76	4.22	733.54	0.00	737.76	0.00	0.00	37.44
70	510	733.73	737.76	4.03	733.73	0.00	737.76	0.00	0.00	36.36
71	512	725.20	733.00	7.80	725.20	0.00	733.00	0.00	0.00	30.96
72	513	729.00	736.30	7.30	729.00	0.00	736.30	0.00	0.00	0.00
73	516	729.18	737.09	7.91	729.18	0.00	736.00	-1.09	0.00	57.72
74	517	729.39	737.86	8.47	729.39	0.00	736.81	-1.05	0.00	64.44
75	518	729.52	737.86	8.34	729.52	0.00	736.81	-1.05	0.00	62.76
76	519	729.66	738.35	8.69	729.66	0.00	737.33	-1.02	0.00	67.20
77	520	729.84	736.90	7.06	729.84	0.00	737.10	0.20	0.00	47.76
78	521	729.98	736.10	6.12	729.98	0.00	736.30	0.20	0.00	37.44
79	522	730.31	735.85	5.54	730.31	0.00	736.10	0.25	0.00	36.48
80	523	730.61	738.17	7.56	730.61	0.00	737.10	-1.07	0.00	66.72
81	524	730.79	737.69	6.90	730.79	0.00	735.95	-1.74	0.00	63.60
82	525	730.96	737.69	6.73	730.96	0.00	735.95	-1.74	0.00	61.56

## Junction Input

SN	Element ID	Invert Elevation	Ground/Rim (Max) Elevation	Ground/Rim (Max) Offset	Initial Water Elevation	Initial Water Depth	Surcharge Elevation	Surcharge Depth	Ponded Area	Minimum Pipe Cover
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft²)	(in)
83	527	731.50	738.60	7.10	731.50	0.00	738.60	0.00	0.00	0.00
84	528	730.21	737.70	7.49	730.21	0.00	734.92	-2.78	0.00	70.68
85	529	730.30	737.70	7.40	730.30	0.00	734.92	-2.78	0.00	70.08
86	530	730.72	733.20	2.48	730.72	0.00	733.60	0.40	0.00	17.76
87	531	730.57	736.69	6.12	730.57	0.00	734.94	-1.75	0.00	52.44
88	532	730.72	736.69	5.97	730.72	0.00	734.94	-1.75	0.00	53.64
89	533	731.13	733.90	2.77	731.13	0.00	733.90	0.00	0.00	18.24
90	534	731.85	734.60	2.75	731.85	0.00	734.60	0.00	0.00	19.80
91	535	732.26	736.73	4.47	732.26	0.00	736.16	-0.57	0.00	40.44
92	536	732.45	736.73	4.28	732.45	0.00	736.16	-0.57	0.00	39.36
93	538	729.05	737.50	8.45	729.05	0.00	737.50	0.00	0.00	40.20
94	539	729.26	738.09	8.83	729.26	0.00	738.09	0.00	0.00	44.76
95	540	729.38	738.09	8.71	729.38	0.00	738.09	0.00	0.00	43.32
96	541	729.57	737.75	8.18	729.57	0.00	737.90	0.15	0.00	38.16
97	542	729.99	735.65	5.66	729.99	0.00	736.30	0.65	0.00	37.92
98	543	730.32	736.62	6.30	730.32	0.00	736.38	-0.24	0.00	51.60
99	544	730.57	736.62	6.05	730.57	0.00	736.38	-0.24	0.00	53.40
100	545	731.14	735.51	4.37	731.14	0.00	736.20	0.69	0.00	33.24
101	546	731.45	735.15	3.70	731.45	0.00	735.80	0.65	0.00	26.40
102	547	733.35	737.62	4.27	733.35	0.00	736.73	-0.89	0.00	38.04
103	548	733.56	737.62	4.06	733.56	0.00	736.73	-0.89	0.00	36.72
104	549	729.80	737.50	7.70	729.80	0.00	737.70	0.20	0.00	38.40
105	550	730.56	737.46	6.90	730.56	0.00	736.57	-0.89	0.00	61.80
106	551	730.78	737.46	6.68	730.78	0.00	736.57	-0.89	0.00	60.96
107	552	731.29	735.20	3.91	731.29	0.00	736.00	0.80	0.00	28.92
108	553	731.58	733.85	2.27	731.58	0.00	735.00	1.15	0.00	12.24
109	554	733.75	737.51	3.76	733.75	0.00	737.36	-0.15	0.00	31.92
110	555	733.93	737.51	3.58	733.93	0.00	737.36	-0.15	0.00	30.96
111	556	729.96	737.10	7.14	729.96	0.00	735.43	-1.67	0.00	49.08
112	557	732.12	737.10	4.98	732.12	0.00	735.43	-1.67	0.00	46.56
113	558	732.85	734.10	1.25	732.85	0.00	734.00	-0.10	0.00	3.00
114	559	732.38	736.65	4.27	732.38	0.00	736.01	-0.64	0.00	38.04
115	560	732.62	736.65	4.03	732.62	0.00	736.01	-0.64	0.00	36.36
116	561	733.31	737.62	4.31	733.31	0.00	736.72	-0.90	0.00	38.52
117	562	733.55	737.62	4.07	733.55	0.00	736.72	-0.90	0.00	36.84
118	563	732.84	737.35	4.51	732.84	0.00	736.45	-0.91	0.00	39.12
119	564	733.02	737.35	4.33	733.02	0.00	736.45	-0.91	0.00	39.96
120	565	733.49	737.71	4.22	733.49	0.00	737.71	0.00	0.00	37.46
121	566	733.68	737.71	4.03	733.68	0.00	737.71	0.00	0.00	36.38
122	567	730.00	738.55	8.55	730.00	0.00	738.62	0.07	0.00	53.40
123	568	730.12	738.11	7.99	730.12	0.00	738.11	0.00	0.00	46.68
124	569	730.24	738.11	7.87	730.24	0.00	738.11	0.00	0.00	46.44
125	570	733.70	737.97	4.27	733.70	0.00	737.68	-0.29	0.00	38.04
126	571	733.94	737.97	4.03	733.94	0.00	737.68	-0.29	0.00	36.36
127	573	731.64	737.00	5.37	731.64	0.00	737.80	0.80	0.00	39.18
128	574	731.86	736.10	4.24	731.86	0.00	736.10	0.00	0.00	25.68
129	575	732.21	738.57	6.37	732.21	0.00	738.58	0.01	0.00	52.38
130	576	732.35	738.57	6.22	732.35	0.00	738.58	0.01	0.00	52.44
131	577	732.74	736.70	3.96	732.74	0.00	736.00	-0.70	0.00	26.52
132	578	733.74	736.00	2.26	733.74	0.00	736.00	0.00	0.00	12.15
133	592	736.48	738.85	2.37	736.48	0.00	739.00	0.15	0.00	12.54
134	593	737.22	740.59	3.38	737.22	0.00	740.59	0.00	0.00	27.30
135	594	737.42	740.59	3.17	737.42	0.00	740.59	0.00	0.00	26.04
136	644	735.14	741.40	6.26	735.14	0.00	742.59	1.19	0.00	49.92
137	646	735.20	738.80	3.60	735.20	0.00	741.20	2.40	0.00	27.04

## Junction Results

SN Element ID	Peak Inflow	Peak Lateral Inflow	Max HGL Elevation Attained	Max HGL Depth Attained	Max Surge Depth Attained	Min Freeboard Attained	Average HGL Elevation Attained	Average HGL Depth Attained	Time of Max HGL Occurrence	Time of Peak Flooding Occurrence	Total Flooded Volume	Total Time Flooded
	(cfs)	(cfs)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(days hh:mm)	(days hh:mm)	(ac-in)	(min)
1 314	2.20	0.36	730.43	0.57	0.00	3.46	729.87	0.01	0 00:15	0 00:00	0.00	0.00
2 315	1.84	0.36	730.53	0.53	0.00	3.27	730.01	0.01	0 00:15	0 00:00	0.00	0.00
3 316	17.57	1.05	737.55	4.00	0.00	0.00	733.86	0.31	0 00:08	0 00:15	0.33	9.00
4 316A	2.20	0.00	729.98	0.86	0.00	1.24	729.13	0.01	0 00:15	0 00:00	0.00	0.00
5 317	11.90	1.22	735.58	1.57	0.00	2.80	734.28	0.27	0 00:15	0 00:00	0.00	0.00
6 318	8.08	4.35	735.64	1.17	0.00	3.38	734.77	0.30	0 00:15	0 00:00	0.00	0.00
7 319	3.73	3.64	735.50	1.00	0.00	3.53	735.04	0.54	0 00:35	0 00:00	0.00	0.00
8 437	1.14	1.14	746.70	0.37	0.00	3.23	746.33	0.00	0 00:09	0 00:00	0.00	0.00
9 438	1.77	1.41	746.42	2.50	0.00	3.51	746.05	2.13	0 00:09	0 00:00	0.00	0.00
10 444	18.52	1.77	739.02	5.28	0.00	0.00	735.68	1.94	0 00:10	0 00:13	0.14	6.00
11 445	5.29	2.88	737.28	1.06	0.00	2.36	736.31	0.09	0 00:11	0 00:00	0.00	0.00
12 445A	0.00	0.00	736.33	0.00	0.00	3.33	736.33	0.00	0 00:00	0 00:00	0.00	0.00
13 446	3.00	3.00	737.13	0.83	0.00	2.50	736.31	0.01	0 00:11	0 00:00	0.00	0.00
14 446A	0.00	0.00	736.33	0.00	0.00	3.33	736.33	0.00	0 00:00	0 00:00	0.00	0.00
15 447	4.23	2.58	740.04	2.73	0.00	4.52	739.67	2.36	0 00:09	0 00:00	0.00	0.00
16 450	1.23	1.23	736.49	0.39	0.00	4.23	736.11	0.01	0 00:15	0 00:00	0.00	0.00
17 451	2.79	1.56	736.66	0.86	0.00	4.06	735.91	0.11	0 00:15	0 00:00	0.00	0.00
18 453	6.95	0.00	739.54	4.45	0.00	3.21	739.01	3.92	0 00:15	0 00:00	0.00	0.00
19 455	4.16	2.87	744.44	0.54	0.00	3.48	744.01	0.11	0 00:15	0 00:00	0.00	0.00
20 456	1.29	1.29	745.06	0.31	0.00	2.86	744.75	0.00	0 00:15	0 00:00	0.00	0.00
21 460	1.18	1.18	735.55	0.55	0.00	0.97	735.55	0.55	0 00:00	0 00:00	0.00	0.00
22 461	1.18	0.00	735.34	0.65	0.00	5.86	735.34	0.65	0 00:00	0 00:00	0.00	0.00
23 462	1.18	0.00	734.92	0.65	0.00	4.27	734.92	0.65	0 00:00	0 00:00	0.00	0.00
24 463	3.41	2.23	735.02	0.93	0.00	3.78	734.74	0.65	0 00:15	0 00:00	0.00	0.00
25 464	4.88	1.72	735.16	1.22	0.00	3.64	734.55	0.61	0 00:15	0 00:00	0.00	0.00
26 465	11.07	0.00	735.25	1.62	0.00	2.75	734.27	0.64	0 00:16	0 00:00	0.00	0.00
27 466	12.10	1.12	734.88	1.72	0.00	3.50	733.71	0.55	0 00:16	0 00:00	0.00	0.00
28 467	12.36	0.84	734.71	1.72	0.00	3.67	733.52	0.53	0 00:16	0 00:00	0.00	0.00
29 468	14.16	0.56	734.74	1.98	0.00	3.81	733.51	0.75	0 00:16	0 00:00	0.00	0.00
30 469	17.65	0.39	734.75	2.15	0.00	3.65	734.01	1.41	0 00:17	0 00:00	0.00	0.00
31 470	18.50	1.03	734.42	2.15	0.00	3.68	732.83	0.56	0 00:17	0 00:00	0.00	0.00
32 471	18.75	0.00	734.38	2.35	0.00	4.82	732.59	0.56	0 00:16	0 00:00	0.00	0.00
33 472	20.28	1.52	734.28	2.45	0.00	4.14	732.46	0.63	0 00:16	0 00:00	0.00	0.00
34 473	21.51	1.45	734.14	2.44	0.00	3.94	732.28	0.58	0 00:17	0 00:00	0.00	0.00
35 474	27.08	1.15	733.98	2.54	0.00	3.72	732.04	0.60	0 00:17	0 00:00	0.00	0.00
36 475	3.11	1.46	733.72	0.72	0.00	3.62	733.11	0.11	0 00:18	0 00:00	0.00	0.00
37 476	1.68	1.68	733.81	0.50	0.00	3.53	733.32	0.01	0 00:18	0 00:00	0.00	0.00
38 477	0.44	0.35	735.39	0.20	0.00	3.61	735.29	0.10	0 00:13	0 00:00	0.00	0.00
39 478	0.11	0.11	735.94	0.11	0.00	3.06	735.83	0.00	0 00:13	0 00:00	0.00	0.00
40 480	1.93	1.93	736.92	0.77	0.00	2.40	736.16	0.01	0 00:14	0 00:00	0.00	0.00
41 481	3.32	1.59	736.84	0.94	0.00	2.48	736.08	0.18	0 00:14	0 00:00	0.00	0.00
42 482	1.36	1.36	738.84	0.61	0.00	1.41	738.24	0.01	0 00:17	0 00:00	0.00	0.00
43 483	3.30	1.92	735.47	1.01	0.00	2.43	734.57	0.11	0 00:16	0 00:00	0.00	0.00
44 484	1.40	0.72	735.68	0.66	0.00	2.69	735.13	0.11	0 00:18	0 00:00	0.00	0.00
45 485	1.24	1.24	735.76	0.56	0.00	2.61	735.21	0.01	0 00:18	0 00:00	0.00	0.00
46 486	1.36	0.00	738.28	0.71	0.00	3.19	737.68	0.11	0 00:17	0 00:00	0.00	0.00
47 487	1.36	0.88	738.05	0.68	0.00	2.74	737.48	0.11	0 00:17	0 00:00	0.00	0.00
48 488	2.62	1.29	737.99	0.80	0.00	2.80	737.30	0.11	0 00:17	0 00:00	0.00	0.00
49 489	5.49	0.50	737.30	1.50	0.00	2.70	736.51	0.71	0 00:17	0 00:00	0.00	0.00
50 490	5.59	0.43	736.78	1.23	0.00	4.32	735.57	0.02	0 00:16	0 00:00	0.00	0.00
51 491	6.25	0.72	736.75	1.33	0.00	4.35	735.54	0.12	0 00:16	0 00:00	0.00	0.00
52 492	6.25	1.54	735.32	1.40	0.00	3.07	734.04	0.12	0 00:16	0 00:00	0.00	0.00
53 493	4.87	1.63	735.31	1.26	0.00	3.08	734.17	0.12	0 00:16	0 00:00	0.00	0.00
54 494	1.49	1.43	734.61	0.56	0.00	2.95	734.16	0.11	0 00:09	0 00:00	0.00	0.00
55 495	0.84	0.84	734.67	0.44	0.00	2.89	734.23	0.00	0 00:09	0 00:00	0.00	0.00
56 496	3.34	1.51	735.96	0.75	0.00	2.68	735.32	0.11	0 00:17	0 00:00	0.00	0.00
57 497	1.85	1.85	736.05	0.59	0.00	2.59	735.47	0.01	0 00:17	0 00:00	0.00	0.00
58 498	0.63	0.43	734.90	0.30	0.00	3.37	734.70	0.10	0 00:13	0 00:00	0.00	0.00
59 499	0.32	0.32	735.15	0.20	0.00	3.12	734.95	0.00	0 00:13	0 00:00	0.00	0.00
60 500	1.90	1.90	733.72	0.59	0.00	1.43	733.14	0.01	0 00:22	0 00:00	0.00	0.00
61 501	36.76	0.92	733.34	2.83	0.00	3.86	731.05	0.54	0 00:17	0 00:00	0.00	0.00
62 502	30.04	0.00	733.30	2.47	0.00	5.14	731.36	0.53	0 00:17	0 00:00	0.00	0.00
63 503	30.04	1.58	733.38	2.40	0.00	4.71	731.51	0.53	0 00:17	0 00:00	0.00	0.00
64 504	28.52	1.44	733.62	2.49	0.00	4.47	731.68	0.55	0 00:17	0 00:00	0.00	0.00
65 505	4.21	1.43	732.88	0.90	0.00	1.47	732.09	0.11	0 00:17	0 00:00	0.00	0.00
66 506	3.18	0.00	733.69	0.91	0.00	4.93	732.89	0.11	0 00:12	0 00:00	0.00	0.00
67 507	2.81	1.56	734.44	0.83	0.00	2.68	733.72	0.11	0 00:17	0 00:00	0.00	0.00
68 508	1.81	1.81	734.52	0.73	0.00	2.60	733.80	0.01	0 00:17	0 00:00	0.00	0.00
69 509	2.10	0.66	734.23	0.69	0.00	3.53	733.65	0.11	0 00:15	0 00:00	0.00	0.00
70 510	1.44	1.44	734.32	0.59	0.00	3.44	733.74	0.01	0 00:15	0 00:00	0.00	0.00
71 512	4.25	0.00	729.20	4.00	0.00	3.80	729.18	3.98	0 19:02	0 00:00	0.00	0.00
72 513	4.25	0.00	729.53	0.53	0.00	6.77	729.51	0.51	0 19:02	0 00:00	0.00	0.00
73 516	19.72	0.00	731.66	2.48	0.00	5.43	730.13	0.95	0 00:17	0 00:00	0.00	0.00
74 517	19.72	1.80	731.77	2.38	0.00	6.09	730.28	0.89	0 00:17	0 00:00	0.00	0.00
75 518	17.99	1.00	731.73	2.21	0.00	6.13	730.48	0.96	0 00:16	0 00:00	0.00	0.00
76 519	17.13	0.00	731.94	2.28	0.00	6.41	730.62	0.96	0 00:16	0 00:00	0.00	0.00
77 520	17.13	0.00	732.08	2.24	0.00	4.82	730.78	0.94	0 00:16	0 00:00	0.00	0.00
78 521	17.13	1.16	732.14	2.16	0.00	3.96	730.98	1.00	0 00:16	0 00:00	0.00	0.00
79 522	12.05	2.06	732.25	1.94	0.00	3.60	731.24	0.93	0 00:16	0 00:00	0.00	0.00
80 523	4.66	0.00	731.75	1.14	0.00	6.42	731.56	0.95	0 00:15	0 00:00	0.00	0.00
81 524	4.66	0.96	731.92	1.13	0.00	5.77	731.73	0.94	0 00:15	0 00:00	0.00	0.00

## Junction Results

SN	Element ID	Peak Inflow	Peak Lateral Inflow	Max HGL Elevation Attained	Max HGL Depth Attained	Max Surge Depth Attained	Min Freeboard Attained	Average HGL Elevation Attained	Average HGL Depth Attained	Time of Max HGL Occurrence	Time of Peak Flooding Occurrence	Total Flooded Volume	Total Time Flooded
		(cfs)	(cfs)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(days hh:mm)	(days hh:mm)	(ac-in)	(min)
82	525	4.66	1.63	732.10	1.14	0.00	5.59	731.93	0.97	0 02:18	0 00:00	0.00	0.00
83	527	4.44	2.93	732.54	1.04	0.00	6.06	732.37	0.87	0 02:18	0 00:00	0.00	0.00
84	528	4.01	1.60	731.28	1.07	0.00	6.42	730.33	0.12	0 00:18	0 00:00	0.00	0.00
85	529	2.93	1.86	731.21	0.91	0.00	6.49	730.38	0.08	0 00:20	0 00:00	0.00	0.00
86	530	1.18	1.18	731.26	0.54	0.00	1.94	730.73	0.01	0 00:18	0 00:00	0.00	0.00
87	531	5.63	2.46	731.99	1.42	0.00	4.70	730.69	0.12	0 00:13	0 00:00	0.00	0.00
88	532	4.06	2.07	731.78	1.06	0.00	4.91	730.83	0.11	0 00:17	0 00:00	0.00	0.00
89	533	2.02	0.70	731.84	0.71	0.00	2.06	731.24	0.11	0 00:17	0 00:00	0.00	0.00
90	534	1.33	0.43	732.43	0.58	0.00	2.17	731.96	0.11	0 00:16	0 00:00	0.00	0.00
91	535	0.92	0.36	732.75	0.49	0.00	3.98	732.37	0.11	0 00:18	0 00:00	0.00	0.00
92	536	0.70	0.70	732.84	0.39	0.00	3.89	732.46	0.01	0 00:18	0 00:00	0.00	0.00
93	538	70.71	0.00	733.08	4.03	0.00	4.42	729.65	0.60	0 00:17	0 00:00	0.00	0.00
94	539	70.71	0.80	733.19	3.93	0.00	4.90	730.83	0.59	0 00:17	0 00:00	0.00	0.00
95	540	69.92	0.76	733.38	4.00	0.00	4.71	729.98	0.60	0 00:17	0 00:00	0.00	0.00
96	541	69.18	0.88	733.47	3.90	0.00	4.28	730.21	0.64	0 00:17	0 00:00	0.00	0.00
97	542	15.30	1.53	732.28	2.29	0.00	3.37	731.48	1.49	0 00:14	0 00:00	0.00	0.00
98	543	9.99	1.78	731.94	1.62	0.00	4.68	730.44	0.12	0 00:16	0 00:00	0.00	0.00
99	544	8.22	1.84	731.88	1.31	0.00	4.74	730.69	0.12	0 00:17	0 00:00	0.00	0.00
100	545	6.58	0.00	732.35	1.21	0.00	3.16	731.26	0.12	0 00:17	0 00:00	0.00	0.00
101	546	6.58	1.51	732.43	0.98	0.00	2.72	731.67	0.22	0 00:17	0 00:00	0.00	0.00
102	547	1.66	0.69	733.97	0.62	0.00	3.65	733.46	0.11	0 00:17	0 00:00	0.00	0.00
103	548	1.27	1.27	734.08	0.52	0.00	3.54	733.57	0.01	0 00:17	0 00:00	0.00	0.00
104	549	50.34	1.27	733.41	3.61	0.00	4.09	730.41	0.61	0 00:17	0 00:00	0.00	0.00
105	550	8.30	1.06	731.85	1.29	0.00	5.61	730.68	0.12	0 00:17	0 00:00	0.00	0.00
106	551	7.24	1.06	732.10	1.32	0.00	5.36	730.90	0.12	0 00:18	0 00:00	0.00	0.00
107	552	6.18	1.39	732.51	1.22	0.00	2.69	731.40	0.11	0 00:18	0 00:00	0.00	0.00
108	553	3.85	0.00	732.57	0.99	0.00	1.28	731.69	0.11	0 00:18	0 00:00	0.00	0.00
109	554	3.85	1.92	734.62	0.87	0.00	2.89	733.86	0.11	0 00:18	0 00:00	0.00	0.00
110	555	1.94	1.94	734.70	0.77	0.00	2.81	733.94	0.01	0 00:18	0 00:00	0.00	0.00
111	556	3.01	1.17	732.73	2.77	0.00	4.37	732.02	2.06	0 00:15	0 00:00	0.00	0.00
112	557	2.10	1.01	732.84	0.72	0.00	4.26	732.23	0.11	0 00:15	0 00:00	0.00	0.00
113	558	1.23	1.23	733.33	0.48	0.00	0.77	732.86	0.01	0 00:15	0 00:00	0.00	0.00
114	559	3.12	1.89	733.19	0.81	0.00	3.46	732.49	0.11	0 00:14	0 00:00	0.00	0.00
115	560	1.53	1.53	733.16	0.54	0.00	3.49	732.63	0.01	0 00:17	0 00:00	0.00	0.00
116	561	1.38	0.81	733.90	0.59	0.00	3.72	733.42	0.11	0 00:18	0 00:00	0.00	0.00
117	562	1.32	1.32	734.04	0.49	0.00	3.58	733.56	0.01	0 00:18	0 00:00	0.00	0.00
118	563	3.73	1.91	733.69	0.85	0.00	3.66	732.95	0.11	0 00:18	0 00:00	0.00	0.00
119	564	1.88	1.88	733.77	0.75	0.00	3.58	733.03	0.01	0 00:18	0 00:00	0.00	0.00
120	565	2.59	1.25	734.16	0.67	0.00	3.55	733.60	0.11	0 00:18	0 00:00	0.00	0.00
121	566	1.37	1.37	734.25	0.57	0.00	3.46	733.69	0.01	0 00:18	0 00:00	0.00	0.00
122	567	38.40	0.00	733.37	3.37	0.00	5.18	730.62	0.62	0 00:17	0 00:00	0.00	0.00
123	568	38.40	0.66	733.39	3.27	0.00	4.72	730.72	0.60	0 00:17	0 00:00	0.00	0.00
124	569	38.02	1.30	733.25	3.01	0.00	4.86	730.80	0.56	0 00:17	0 00:00	0.00	0.00
125	570	1.35	0.67	734.21	0.51	0.00	3.76	733.81	0.11	0 00:17	0 00:00	0.00	0.00
126	571	0.98	0.98	734.35	0.41	0.00	3.62	733.95	0.01	0 00:17	0 00:00	0.00	0.00
127	573	2.86	0.00	732.59	0.96	0.00	4.41	731.75	0.12	0 00:11	0 00:00	0.00	0.00
128	574	2.86	0.47	732.73	0.87	0.00	3.37	731.97	0.11	0 00:11	0 00:00	0.00	0.00
129	575	2.51	0.16	733.02	0.81	0.00	5.55	732.31	0.10	0 00:11	0 00:00	0.00	0.00
130	576	2.39	0.16	733.18	0.83	0.00	5.39	732.46	0.11	0 00:11	0 00:00	0.00	0.00
131	577	2.28	0.93	733.47	0.73	0.00	3.23	732.85	0.11	0 00:11	0 00:00	0.00	0.00
132	578	1.35	1.35	734.30	0.56	0.00	1.70	733.74	0.00	0 00:11	0 00:00	0.00	0.00
133	592	2.51	0.92	737.53	1.05	0.00	1.32	736.82	0.34	0 00:16	0 00:00	0.00	0.00
134	593	1.82	1.41	737.94	0.72	0.00	2.65	737.32	0.10	0 00:16	0 00:00	0.00	0.00
135	594	0.66	0.66	737.78	0.36	0.00	2.81	737.42	0.00	0 00:11	0 00:00	0.00	0.00
136	644	6.25	0.00	736.52	1.38	0.00	4.88	735.26	0.12	0 00:16	0 00:00	0.00	0.00
137	646	3.32	0.00	736.10	0.90	0.00	2.70	735.31	0.11	0 00:14	0 00:00	0.00	0.00

## Pipe Input

SN	Element ID	Length	Inlet Invert Elevation	Inlet Invert Offset	Outlet Invert Elevation	Outlet Invert Offset	Total Drop	Average Slope	Pipe Shape	Pipe Diameter or Height	Pipe Width	Manning's Roughness	Entrance Losses	Exit/Bend Losses	Additional Losses	Initial Flow	Flap Gate	No. of Barrels
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(%)		(in)	(in)					(cfs)		
1	305-316	135.17	733.55	0.00	733.40	0.00	0.15	0.1100	CIRCULAR	30.000	30.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
2	314-315	28.89	730.00	0.00	729.86	0.00	0.14	0.4800	CIRCULAR	15.000	15.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
3	315-315A	37.14	731.59	0.00	730.00	0.00	1.59	4.2800	CIRCULAR	15.000	15.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
4	316-444	137.44	733.74	0.00	733.55	0.00	0.19	0.1400	CIRCULAR	30.000	30.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
5	316A-314	189.83	729.86	0.00	729.12	0.00	0.74	0.3900	CIRCULAR	18.000	18.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
6	316B-316A	167.09	729.12	0.00	728.96	0.00	0.16	0.1000	CIRCULAR	18.000	18.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
7	317-318	174.81	734.47	0.00	734.01	0.00	0.46	0.2600	CIRCULAR	24.000	24.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
8	317-447	165.11	737.31	0.00	734.01	0.00	3.30	2.0000	CIRCULAR	15.000	15.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
9	318-319	28.76	734.50	0.00	734.47	0.00	0.03	0.1000	CIRCULAR	24.000	24.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
10	319-319A	167.43	734.55	0.00	734.50	0.00	0.05	0.0300	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
11	438-437	28.00	746.33	0.00	746.05	2.13	0.28	1.0000	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
12	444-317	195.27	734.01	0.00	733.74	0.00	0.27	0.1400	CIRCULAR	30.000	30.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
13	444-445	184.78	736.22	0.00	735.66	1.92	0.55	0.3000	CIRCULAR	18.000	18.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
14	445-445A	10.00	736.33	0.00	736.30	0.08	0.03	0.3000	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
15	445-446	28.00	736.30	0.00	736.22	0.00	0.08	0.3000	CIRCULAR	15.000	15.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
16	446-446A	10.00	736.33	0.00	736.30	0.00	0.03	0.3000	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
17	447-438	169.99	743.92	0.00	739.67	2.36	4.25	2.5000	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
18	451-450	28.00	736.10	0.00	735.90	0.10	0.20	0.7100	CIRCULAR	15.000	15.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
19	453-451	163.50	735.80	0.00	735.19	0.10	0.61	0.3700	CIRCULAR	15.000	15.000	0.0150	0.5000	0.5000	0.0000	0.00	No	1
20	453-454	72.62	735.09	0.00	735.00	0.00	0.09	0.1200	CIRCULAR	24.000	24.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
21	453-455	136.00	743.90	0.00	739.00	3.91	4.90	3.6000	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
22	455-456	28.00	744.75	0.00	744.00	0.10	0.75	2.6800	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
23	461-460	78.92	735.00	0.00	734.79	0.10	0.21	0.2700	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
24	462-461	120.00	734.69	0.00	734.37	0.10	0.32	0.2700	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
25	463-462	29.20	734.27	0.00	734.19	0.10	0.08	0.2700	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
26	464-463	28.00	734.09	0.00	734.04	0.10	0.05	0.1800	CIRCULAR	18.000	18.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
27	465-464	179.20	733.94	0.00	733.73	0.10	0.21	0.1200	CIRCULAR	21.000	21.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
28	465-492	136.00	733.92	0.00	733.73	0.10	0.19	0.1400	CIRCULAR	21.000	21.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
29	466-465	178.00	733.63	0.00	733.26	0.10	0.37	0.2100	CIRCULAR	24.000	24.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
30	467-466	28.00	733.16	0.00	733.09	0.10	0.07	0.2500	CIRCULAR	24.000	24.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
31	468-467	157.66	733.09	0.10	732.76	0.00	0.33	0.2100	CIRCULAR	30.000	30.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
32	468-494	136.00	734.05	0.00	733.49	0.73	0.56	0.4100	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
33	469-468	55.00	732.76	0.00	732.70	0.10	0.06	0.1100	CIRCULAR	30.000	30.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
34	469-496	136.00	735.21	0.00	734.00	1.40	1.21	0.8900	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
35	470-469	145.48	732.60	0.00	732.37	0.10	0.23	0.1600	CIRCULAR	30.000	30.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
36	471-470	80.00	732.27	0.00	732.13	0.10	0.14	0.1700	CIRCULAR	30.000	30.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
37	471-498	89.79	734.60	0.00	732.13	0.10	2.47	2.7500	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
38	472-471	136.00	732.03	0.00	731.93	0.10	0.10	0.0700	CIRCULAR	36.000	36.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
39	473-472	28.00	731.83	0.00	731.80	0.10	0.03	0.1100	CIRCULAR	36.000	36.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
40	474-473	177.68	731.70	0.00	731.54	0.10	0.16	0.0900	CIRCULAR	36.000	36.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
41	474-475	177.66	733.00	0.00	731.44	0.00	1.56	0.8800	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
42	474-500	280.00	733.13	0.00	731.54	0.10	1.59	0.5700	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
43	475-476	28.00	733.31	0.00	733.10	0.10	0.21	0.7500	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
44	477-478	28.00	735.83	0.00	735.29	0.10	0.54	1.9400	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
45	481-480	28.00	736.15	0.00	736.07	0.17	0.08	0.2900	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
46	483-484	175.01	735.02	0.00	734.56	0.10	0.46	0.2600	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
47	484-485	28.00	735.20	0.00	735.12	0.10	0.08	0.2900	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
48	486-482	214.36	738.23	0.00	737.67	0.10	0.56	0.2600	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
49	487-486	34.10	737.57	0.00	737.47	0.10	0.10	0.3000	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
50	488-487	28.00	737.37	0.00	737.29	0.10	0.08	0.3000	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
51	489-488	142.71	737.19	0.00	736.50	0.70	0.69	0.4800	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
52	489-592	280.00	736.48	0.00	735.90	0.10	0.58	0.2100	CIRCULAR	15.000	15.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
53	490-489	162.16	735.90	0.10	735.55	0.00	0.35	0.2200	CIRCULAR	24.000	24.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
54	491-490	28.00	735.55	0.00	735.52	0.10	0.03	0.1100	CIRCULAR	24.000	24.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
55	492-493	28.16	734.05	0.00	734.02	0.10	0.03	0.1100	CIRCULAR	21.000	21.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
56	493-483	136.00	734.46	0.00	734.15	0.10	0.31	0.2300	CIRCULAR	15.000	15.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
57	494-495	28.00	734.23	0.00	734.15	0.10	0.08	0.2900	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
58	496-497	28.00	735.46	0.00	735.31	0.10	0.15	0.5400	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
59	498-499	29.73	734.95	0.00	734.70	0.10	0.25	0.8400	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
60	501-502	125.00	730.83	0.00	730.61	0.10	0.22	0.1800	CIRCULAR	36.000	36.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
61	501-505	275.00	731.98	0.00	730.67	0.16	1.31	0.4800	CIRCULAR	15.000	15.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
62	501-509	161.00	733.54	0.00	730.67	0.16	2.87	1.7800	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
63	502-503	26.81	730.98	0.00	730.93	0.10	0.05	0.1900	CIRCULAR	36.000	36.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
64	503-504	28.00	731.13	0.00	731.08	0.10	0.05	0.1800	CIRCULAR	36.000	36.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
65	504-474	140.99	731.44	0.00														

## Pipe Input

SN Element ID	Length	Inlet Invert Elevation (ft)	Inlet Invert Offset (ft)	Outlet Invert Elevation (ft)	Outlet Invert Offset (ft)	Total Drop (ft)	Average Pipe Slope (%)	Pipe Shape	Pipe Diameter or Height (in)	Pipe Width (in)	Manning's Roughness	Entrance Losses	Exit/Bend Losses	Additional Losses	Initial Flow (cfs)	Flap Gate	No. of Barrels
83 523-524	32.54	730.79	0.00	730.71	0.10	0.08	0.2500	CIRCULAR	18.000	18.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
84 524-525	28.00	730.96	0.00	730.89	0.10	0.07	0.2500	CIRCULAR	18.000	18.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
85 526-527	196.00	731.50	0.00	731.06	0.10	0.44	0.2200	CIRCULAR	18.000	18.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
86 528-529	28.04	730.36	0.06	730.31	0.10	0.05	0.1800	CIRCULAR	18.000	18.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
87 529-530	141.00	730.72	0.00	730.30	0.00	0.42	0.3000	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
88 531-532	28.00	730.72	0.00	730.67	0.10	0.05	0.1800	CIRCULAR	18.000	18.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
89 532-533	141.00	731.13	0.00	730.82	0.10	0.31	0.2200	CIRCULAR	15.000	15.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
90 533-534	210.00	731.85	0.00	731.23	0.10	0.62	0.3000	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
91 534-535	104.34	732.26	0.00	731.95	0.10	0.31	0.3000	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
92 535-536	28.01	732.45	0.00	732.36	0.10	0.09	0.3200	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
93 538-539	161.00	729.26	0.00	729.15	0.10	0.11	0.0700	CIRCULAR	60.000	60.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
94 538-Lake4	72.62	729.05	0.00	729.00	0.00	0.05	0.0700	CIRCULAR	60.000	60.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
95 539-540	28.13	729.38	0.00	729.36	0.10	0.02	0.0700	CIRCULAR	60.000	60.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
96 540-541	136.00	729.57	0.00	729.48	0.10	0.09	0.0700	CIRCULAR	60.000	60.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
97 541-542	216.00	729.99	0.00	729.67	0.10	0.32	0.1500	CIRCULAR	30.000	30.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
98 541-549	224.00	729.80	0.00	729.67	0.10	0.13	0.0600	CIRCULAR	54.000	54.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
99 541-556	136.00	729.96	0.00	729.72	0.15	0.24	0.1800	CIRCULAR	18.000	18.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
100 542-543	136.00	730.32	0.00	730.09	0.10	0.23	0.1700	CIRCULAR	24.000	24.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
101 542-559	136.00	732.38	0.00	731.47	1.48	0.91	0.6700	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
102 542-561	252.22	733.31	0.00	731.47	1.48	1.84	0.7300	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
103 543-544	28.00	730.57	0.00	730.42	0.10	0.15	0.5400	CIRCULAR	18.000	18.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
104 544-545	136.00	731.14	0.00	730.67	0.10	0.47	0.3500	CIRCULAR	18.000	18.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
105 545-546	36.49	731.45	0.00	731.24	0.10	0.21	0.5800	CIRCULAR	18.000	18.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
106 546-547	222.71	733.35	0.00	731.55	0.10	1.80	0.8100	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
107 546-563	136.00	732.84	0.00	731.66	0.21	1.18	0.8700	CIRCULAR	15.000	15.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
108 547-548	28.00	733.56	0.00	733.45	0.10	0.11	0.3900	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
109 549-550	136.00	730.56	0.00	729.96	0.16	0.60	0.4400	CIRCULAR	21.000	21.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
110 549-565	136.00	733.49	0.00	729.96	0.16	3.53	2.6000	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
111 549-567	151.21	730.00	0.00	729.90	0.10	0.10	0.0700	CIRCULAR	48.000	48.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
112 550-551	28.00	730.78	0.00	730.66	0.10	0.12	0.4300	CIRCULAR	18.000	18.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
113 551-552	136.00	731.29	0.00	730.88	0.10	0.41	0.3000	CIRCULAR	18.000	18.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
114 552-553	61.49	731.58	0.00	731.38	0.09	0.20	0.3000	CIRCULAR	15.000	15.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
115 552-570	172.21	733.70	0.00	731.38	0.09	2.32	1.3500	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
116 553-554	136.00	733.75	0.00	731.68	0.10	2.07	1.5200	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
117 554-555	28.00	733.93	0.00	733.85	0.10	0.08	0.2900	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
118 556-557	28.00	732.12	0.00	732.01	2.05	0.11	0.3900	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
119 557-558	136.00	732.85	0.00	732.22	0.10	0.63	0.4600	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
120 559-560	28.00	732.62	0.00	732.48	0.10	0.14	0.5000	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
121 561-562	28.00	733.55	0.00	733.41	0.10	0.14	0.5000	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
122 563-564	28.00	733.02	0.00	732.94	0.10	0.08	0.2900	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
123 565-566	28.00	733.68	0.00	733.59	0.10	0.09	0.3200	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
124 567-568	32.65	730.12	0.00	730.10	0.10	0.02	0.0600	CIRCULAR	48.000	48.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
125 568-569	28.00	730.24	0.00	730.22	0.10	0.02	0.0700	CIRCULAR	48.000	48.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
126 569-501	146.00	730.51	0.00	730.34	0.10	0.17	0.1200	CIRCULAR	42.000	42.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
127 570-571	28.00	733.94	0.00	733.80	0.10	0.14	0.5000	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
128 572-573	140.15	731.64	0.00	731.50	0.00	0.13	0.1000	CIRCULAR	24.000	24.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
129 573-574	130.86	731.86	0.00	731.74	0.10	0.13	0.1000	CIRCULAR	24.000	24.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
130 574-575	228.00	732.21	0.00	731.96	0.10	0.25	0.1100	CIRCULAR	24.000	24.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
131 575-576	28.00	732.35	0.00	732.31	0.10	0.05	0.1600	CIRCULAR	21.000	21.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
132 576-577	221.00	732.74	0.00	732.45	0.10	0.29	0.1300	CIRCULAR	21.000	21.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
133 577-578	420.00	733.74	0.00	732.84	0.10	0.90	0.2100	CIRCULAR	15.000	15.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
134 592-593	141.31	737.22	0.00	736.81	0.33	0.41	0.2900	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
135 593-594	28.00	737.42	0.00	737.32	0.10	0.10	0.3700	CIRCULAR	12.000	12.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
136 643-644	105.64	735.14	0.00	735.00	0.00	0.14	0.1300	CIRCULAR	24.000	24.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
137 644-491	151.00	735.42	0.00	735.24	0.10	0.18	0.1200	CIRCULAR	24.000	24.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
138 645-646	51.29	735.20	0.00	735.00	0.00	0.20	0.3800	CIRCULAR	15.000	15.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1
139 646-481	151.00	735.90	0.00	735.30	0.10	0.60	0.4000	CIRCULAR	15.000	15.000	0.0120	0.5000	0.5000	0.0000	0.00	No	1



## Pipe Results

SN Element ID	Peak Flow	Time of Peak Flow Occurrence	Design Flow Capacity	Peak Flow/Design Flow Ratio	Peak Flow Velocity	Travel Time	Peak Flow Depth	Peak Flow Depth/Total Depth Ratio	Total Time Surcharged	Froude Number	Reported Condition
	(cfs)	(days hh:mm)	(cfs)		(ft/sec)	(min)	(ft)		(min)		
1 305-316	14.80	0 00:08	14.80	1.00	3.44	0.65	2.50	1.00	9.00		SURCHARGED
2 314-315	1.84	0 00:15	4.87	0.38	3.69	0.13	0.53	0.43	0.00		Calculated
3 315-315A	1.48	0 00:15	14.48	0.10	7.59	0.08	0.27	0.22	0.00		Calculated
4 316-444	16.52	0 00:10	16.52	1.00	3.84	0.60	2.50	1.00	6.00		SURCHARGED
5 316A-314	2.20	0 00:15	7.10	0.31	3.54	0.89	0.57	0.38	0.00		Calculated
6 316B-316A	2.20	0 00:15	3.52	0.62	2.10	1.33	0.86	0.57	0.00		Calculated
7 317-318	8.08	0 00:15	12.57	0.64	4.25	0.69	1.17	0.58	0.00		Calculated
8 317-447	4.23	0 00:11	9.90	0.43	7.75	0.36	0.57	0.46	0.00		Calculated
9 318-319	3.73	0 00:15	7.92	0.47	2.48	0.19	0.97	0.48	0.00		Calculated
10 319-319A	0.67	0 00:35	0.67	1.00	0.97	2.88	1.00	1.00	36.00		SURCHARGED
11 438-437	1.14	0 00:09	3.86	0.30	4.28	0.11	0.37	0.37	0.00		Calculated
12 444-317	11.90	0 00:15	16.52	0.72	3.66	0.89	1.57	0.63	0.00		Calculated
13 444-445	5.29	0 00:11	6.23	0.85	3.96	0.78	1.06	0.71	0.00		Calculated
14 445-445A	0.00	0 00:00	2.11	0.00	0.00	0.00	0.00	0.00	0.00		Calculated
15 445-446	3.00	0 00:11	3.83	0.78	3.46	0.13	0.83	0.67	0.00		Calculated
16 446-446A	0.00	0 00:00	2.11	0.00	0.00	0.00	0.00	0.00	0.00		Calculated
17 447-438	1.77	0 00:09	6.10	0.29	6.73	0.42	0.37	0.37	0.00		Calculated
18 451-450	1.23	0 00:15	5.91	0.21	3.80	0.12	0.39	0.31	0.00		Calculated
19 453-451	2.79	0 00:15	3.43	0.81	3.11	0.88	0.86	0.69	0.00		Calculated
20 453-454	6.95	0 00:15	8.49	0.82	3.01	0.40	1.38	0.69	0.00		Calculated
21 453-455	4.16	0 00:15	7.33	0.57	9.62	0.24	0.54	0.54	0.00		Calculated
22 455-456	1.29	0 00:15	6.32	0.20	6.31	0.07	0.31	0.31	0.00		Calculated
23 461-460	1.18	0 00:00	1.99	0.59	2.64	0.50	0.55	0.55	0.00		Calculated
24 462-461	1.18	0 00:00	1.99	0.59	2.64	0.76	0.55	0.55	0.00		Calculated
25 463-462	1.18	0 00:00	2.02	0.58	2.67	0.18	0.55	0.55	0.00		Calculated
26 464-463	3.41	0 00:15	4.81	0.71	2.95	0.16	0.93	0.62	0.00		Calculated
27 465-464	4.88	0 00:15	5.88	0.83	2.73	1.09	1.22	0.70	0.00		Calculated
28 465-492	6.25	0 00:16	6.42	0.97	3.04	0.75	1.40	0.80	0.00		Calculated
29 466-465	11.07	0 00:16	11.17	0.99	4.05	0.73	1.62	0.81	0.00		Calculated
30 467-466	12.10	0 00:16	12.25	0.99	4.45	0.10	1.62	0.81	0.00		Calculated
31 468-467	12.36	0 00:16	20.33	0.61	4.34	0.61	1.41	0.56	0.00		Calculated
32 468-494	1.49	0 00:09	2.48	0.60	3.30	0.69	0.56	0.56	0.00		Calculated
33 469-468	14.16	0 00:16	14.68	0.96	3.40	0.27	1.98	0.79	0.00		Calculated
34 469-496	3.34	0 00:17	3.64	0.92	5.25	0.43	0.75	0.75	0.00		Calculated
35 470-469	17.65	0 00:17	17.67	1.00	4.10	0.59	2.05	0.82	0.00		Calculated
36 471-470	18.50	0 00:17	18.59	1.00	4.32	0.31	2.04	0.82	0.00		Calculated
37 471-498	0.63	0 00:09	6.40	0.10	5.19	0.29	0.21	0.21	0.00		Calculated
38 472-471	18.75	0 00:16	19.59	0.96	3.15	0.72	2.35	0.78	0.00		Calculated
39 473-472	20.28	0 00:17	23.65	0.86	3.76	0.12	2.14	0.71	0.00		Calculated
40 474-473	21.51	0 00:17	21.68	0.99	3.50	0.85	2.44	0.81	0.00		Calculated
41 474-475	3.11	0 00:18	3.62	0.86	5.18	0.57	0.72	0.72	0.00		Calculated
42 474-500	1.90	0 00:22	2.91	0.65	3.94	1.18	0.59	0.59	0.00		Calculated
43 475-476	1.68	0 00:18	3.34	0.50	4.26	0.11	0.50	0.50	0.00		Calculated
44 477-478	0.11	0 00:13	5.37	0.02	2.63	0.18	0.10	0.10	0.00		Calculated
45 481-480	1.93	0 00:14	2.06	0.94	2.98	0.16	0.77	0.77	0.00		Calculated
46 483-484	1.40	0 00:10	1.98	0.71	2.73	1.07	0.62	0.62	0.00		Calculated
47 484-485	1.24	0 00:18	2.06	0.60	2.75	0.17	0.56	0.56	0.00		Calculated
48 486-482	1.36	0 00:17	1.97	0.69	2.71	1.32	0.61	0.61	0.00		Calculated
49 487-486	1.36	0 00:17	2.11	0.64	2.85	0.20	0.58	0.58	0.00		Calculated
50 488-487	1.36	0 00:17	2.11	0.64	2.85	0.16	0.58	0.58	0.00		Calculated
51 489-488	2.62	0 00:17	2.68	0.98	3.88	0.61	0.80	0.80	0.00		Calculated
52 489-592	2.51	0 00:16	3.19	0.79	2.88	1.62	0.84	0.67	0.00		Calculated
53 490-489	5.49	0 00:16	11.39	0.48	3.59	0.75	0.98	0.49	0.00		Calculated
54 491-490	5.59	0 00:16	8.02	0.70	2.76	0.17	1.23	0.61	0.00		Calculated
55 492-493	4.87	0 00:16	5.60	0.87	2.62	0.18	1.26	0.72	0.00		Calculated
56 493-483	3.30	0 00:16	3.34	0.99	3.10	0.73	1.01	0.81	0.00		Calculated
57 494-495	0.84	0 00:09	2.06	0.41	2.49	0.19	0.44	0.44	0.00		Calculated
58 496-497	1.85	0 00:17	2.83	0.65	3.83	0.12	0.59	0.59	0.00		Calculated
59 498-499	0.32	0 00:13	3.54	0.09	2.79	0.18	0.20	0.20	0.00		Calculated
60 501-502	30.04	0 00:17	30.31	0.99	4.89	0.43	2.43	0.81	0.00		Calculated
61 501-505	4.21	0 00:17	4.83	0.87	4.43	1.03	0.90	0.72	0.00		Calculated
62 501-509	2.10	0 00:15	5.15	0.41	6.22	0.43	0.44	0.44	0.00		Calculated
63 502-503	30.04	0 00:17	31.21	0.96	5.02	0.09	2.37	0.79	0.00		Calculated
64 503-504	28.52	0 00:17	30.53	0.93	4.91	0.10	2.30	0.77	0.00		Calculated
65 504-474	27.08	0 00:17	27.89	0.97	4.49	0.52	2.39	0.80	0.00		Calculated
66 505-506	3.18	0 00:13	8.73	0.36	6.54	0.11	0.52	0.42	0.00		Calculated
67 506-477	0.44	0 00:16	5.59	0.08	4.24	0.43	0.19	0.19	0.00		Calculated
68 506-507	2.81	0 00:12	2.83	0.99	4.10	0.55	0.81	0.81	0.00		Calculated
69 507-508	1.81	0 00:17	2.06	0.88	2.96	0.16	0.73	0.73	0.00		Calculated
70 509-510	1.44	0 00:15	2.19	0.66	2.97	0.16	0.59	0.59	0.00		Calculated
71 511-512	4.25	0 19:02	19.86	0.21	3.22	0.51	0.79	0.31	0.00		Calculated
72 512-513	4.25	0 19:02	21.02	0.20	6.84	0.05	0.53	0.30	0.00		Calculated
73 514-515	19.72	0 00:17	43.48	0.45	6.00	0.14	1.42	0.47	0.00		Calculated
74 516-517	19.72	0 00:17	20.38	0.97	3.28	0.70	2.38	0.79	0.00		Calculated
75 517-518	17.99	0 00:16	23.65	0.76	3.68	0.13	1.96	0.65	0.00		Calculated
76 518-519	17.13	0 00:16	20.43	0.84	3.24	0.19	2.10	0.70	0.00		Calculated
77 519-520	17.13	0 00:16	19.39	0.88	3.09	0.67	2.19	0.73	0.00		Calculated
78 520-521	17.13	0 00:16	19.79	0.87	3.15	0.42	2.16	0.72	0.00		Calculated
79 521-522	12.05	0 00:16	12.74	0.95	2.95	1.58	1.94	0.78	0.00		Calculated
80 521-528	4.01	0 00:18	4.89	0.82	3.09	0.79	1.03	0.69	0.00		Calculated
81 522-523	4.66	0 00:15	7.96	0.59	2.63	1.80	1.10	0.55	0.00		Calculated

## Pipe Results

SN Element ID	Peak Flow	Time of Peak Flow Occurrence	Design Flow Capacity	Peak Flow/ Design Flow Ratio	Peak Flow Velocity	Travel Time	Peak Flow Depth	Peak Flow Depth/ Total Depth Ratio	Total Time Surcharged	Froude Number	Reported Condition
	(cfs)	(days hh:mm)	(cfs)		(ft/sec)	(min)	(ft)		(min)		
82 522-531	5.63	0 00:13	5.68	0.99	2.69	0.90	1.42	0.81	0.00		Calculated
83 523-524	4.66	0 00:15	5.64	0.83	3.57	0.15	1.04	0.69	0.00		Calculated
84 524-525	4.66	0 00:15	5.69	0.82	3.59	0.13	1.03	0.69	0.00		Calculated
85 526-527	4.44	0 02:18	5.39	0.82	3.41	0.96	1.04	0.69	0.00		Calculated
86 528-529	2.93	0 00:20	4.81	0.61	2.85	0.16	0.85	0.56	0.00		Calculated
87 529-530	1.18	0 00:18	2.11	0.56	2.76	0.85	0.54	0.54	0.00		Calculated
88 531-532	4.06	0 00:17	4.81	0.84	3.05	0.15	1.06	0.70	0.00		Calculated
89 532-533	2.02	0 00:17	3.28	0.61	2.81	0.84	0.71	0.57	0.00		Calculated
90 533-534	1.33	0 00:16	2.10	0.64	2.83	1.24	0.58	0.58	0.00		Calculated
91 534-535	0.92	0 00:18	2.10	0.44	2.59	0.67	0.46	0.46	0.00		Calculated
92 535-536	0.70	0 00:18	2.19	0.32	2.47	0.19	0.39	0.39	0.00		Calculated
93 538-539	70.71	0 00:17	73.75	0.96	4.27	0.63	3.93	0.79	0.00		Calculated
94 538-Lake4	70.71	0 00:17	74.03	0.96	4.29	0.28	3.91	0.78	0.00		Calculated
95 539-540	69.92	0 00:17	75.24	0.93	4.35	0.11	3.81	0.76	0.00		Calculated
96 540-541	69.18	0 00:17	72.58	0.95	4.20	0.54	3.90	0.78	0.00		Calculated
97 541-542	15.30	0 00:16	17.10	0.89	3.94	0.91	1.85	0.74	0.00		Calculated
98 541-549	50.34	0 00:17	51.32	0.98	3.68	1.01	3.61	0.80	0.00		Calculated
99 541-556	3.01	0 00:15	4.78	0.63	2.86	0.79	0.86	0.58	0.00		Calculated
100 542-543	9.99	0 00:16	10.08	0.99	3.66	0.62	1.62	0.81	0.00		Calculated
101 542-559	3.12	0 00:14	3.16	0.99	4.58	0.49	0.81	0.81	0.00		Calculated
102 542-561	1.38	0 00:08	3.30	0.42	4.01	1.05	0.45	0.45	0.00		Calculated
103 543-544	8.22	0 00:17	8.33	0.99	5.37	0.09	1.21	0.81	0.00		Calculated
104 544-545	6.58	0 00:17	6.69	0.98	4.31	0.53	1.21	0.81	0.00		Calculated
105 545-546	6.58	0 00:17	8.63	0.76	5.38	0.11	0.98	0.65	0.00		Calculated
106 546-547	1.66	0 00:17	3.47	0.48	4.37	0.85	0.49	0.49	0.00		Calculated
107 546-563	3.73	0 00:18	6.52	0.57	5.49	0.41	0.68	0.54	0.00		Calculated
108 547-548	1.27	0 00:17	2.42	0.53	3.12	0.15	0.52	0.52	0.00		Calculated
109 549-550	8.30	0 00:17	11.40	0.73	5.17	0.44	1.11	0.63	0.00		Calculated
110 549-565	2.59	0 00:18	6.22	0.42	7.56	0.30	0.45	0.45	0.00		Calculated
111 549-567	38.40	0 00:17	40.02	0.96	3.62	0.70	3.14	0.79	0.00		Calculated
112 550-551	7.24	0 00:17	7.45	0.97	4.80	0.10	1.19	0.80	0.00		Calculated
113 551-552	6.18	0 00:18	6.25	0.99	4.03	0.56	1.22	0.81	0.00		Calculated
114 552-553	3.85	0 00:18	3.99	0.96	3.70	0.28	0.99	0.79	0.00		Calculated
115 552-570	1.35	0 00:17	4.48	0.30	4.99	0.58	0.38	0.38	0.00		Calculated
116 553-554	3.85	0 00:18	4.76	0.81	6.75	0.34	0.68	0.68	0.00		Calculated
117 554-555	1.94	0 00:18	2.06	0.94	2.98	0.16	0.77	0.77	0.00		Calculated
118 556-557	2.10	0 00:15	2.42	0.87	3.47	0.13	0.72	0.72	0.00		Calculated
119 557-558	1.23	0 00:15	2.63	0.47	3.29	0.69	0.48	0.48	0.00		Calculated
120 559-560	1.53	0 00:17	2.73	0.56	3.57	0.13	0.54	0.54	0.00		Calculated
121 561-562	1.32	0 00:18	2.73	0.48	3.45	0.14	0.49	0.49	0.00		Calculated
122 563-564	1.88	0 00:18	2.06	0.91	2.98	0.16	0.75	0.75	0.00		Calculated
123 565-566	1.37	0 00:18	2.19	0.63	2.94	0.16	0.57	0.57	0.00		Calculated
124 567-568	38.40	0 00:17	38.51	1.00	3.49	0.16	3.27	0.82	0.00		Calculated
125 568-569	38.02	0 00:17	41.59	0.91	3.75	0.12	3.01	0.75	0.00		Calculated
126 569-501	36.76	0 00:17	37.19	0.99	4.41	0.55	2.83	0.81	0.00		Calculated
127 570-571	0.98	0 00:17	2.73	0.36	3.19	0.15	0.41	0.41	0.00		Calculated
128 572-573	2.86	0 00:11	7.61	0.38	2.25	1.04	0.85	0.42	0.00		Calculated
129 573-574	2.86	0 00:11	7.57	0.38	2.24	0.97	0.85	0.43	0.00		Calculated
130 574-575	2.51	0 00:11	8.03	0.31	2.26	1.68	0.77	0.38	0.00		Calculated
131 575-576	2.39	0 00:11	6.88	0.35	2.60	0.18	0.71	0.41	0.00		Calculated
132 576-577	2.28	0 00:11	6.22	0.37	2.38	1.55	0.73	0.42	0.00		Calculated
133 577-578	1.35	0 00:11	3.24	0.42	2.52	2.78	0.56	0.45	0.00		Calculated
134 592-593	1.82	0 00:16	2.08	0.88	2.98	0.79	0.73	0.73	0.00		Calculated
135 593-594	0.66	0 00:11	2.36	0.28	2.58	0.18	0.36	0.36	0.00		Calculated
136 643-644	6.25	0 00:16	8.92	0.70	3.07	0.57	1.23	0.62	0.00		Calculated
137 644-491	6.25	0 00:16	8.46	0.74	2.95	0.85	1.28	0.64	0.00		Calculated
138 645-646	3.32	0 00:14	4.34	0.76	3.89	0.22	0.82	0.65	0.00		Calculated
139 646-481	3.32	0 00:14	4.42	0.75	3.95	0.64	0.81	0.65	0.00		Calculated

Storage Nodes

Storage Node : 315A

Input Data

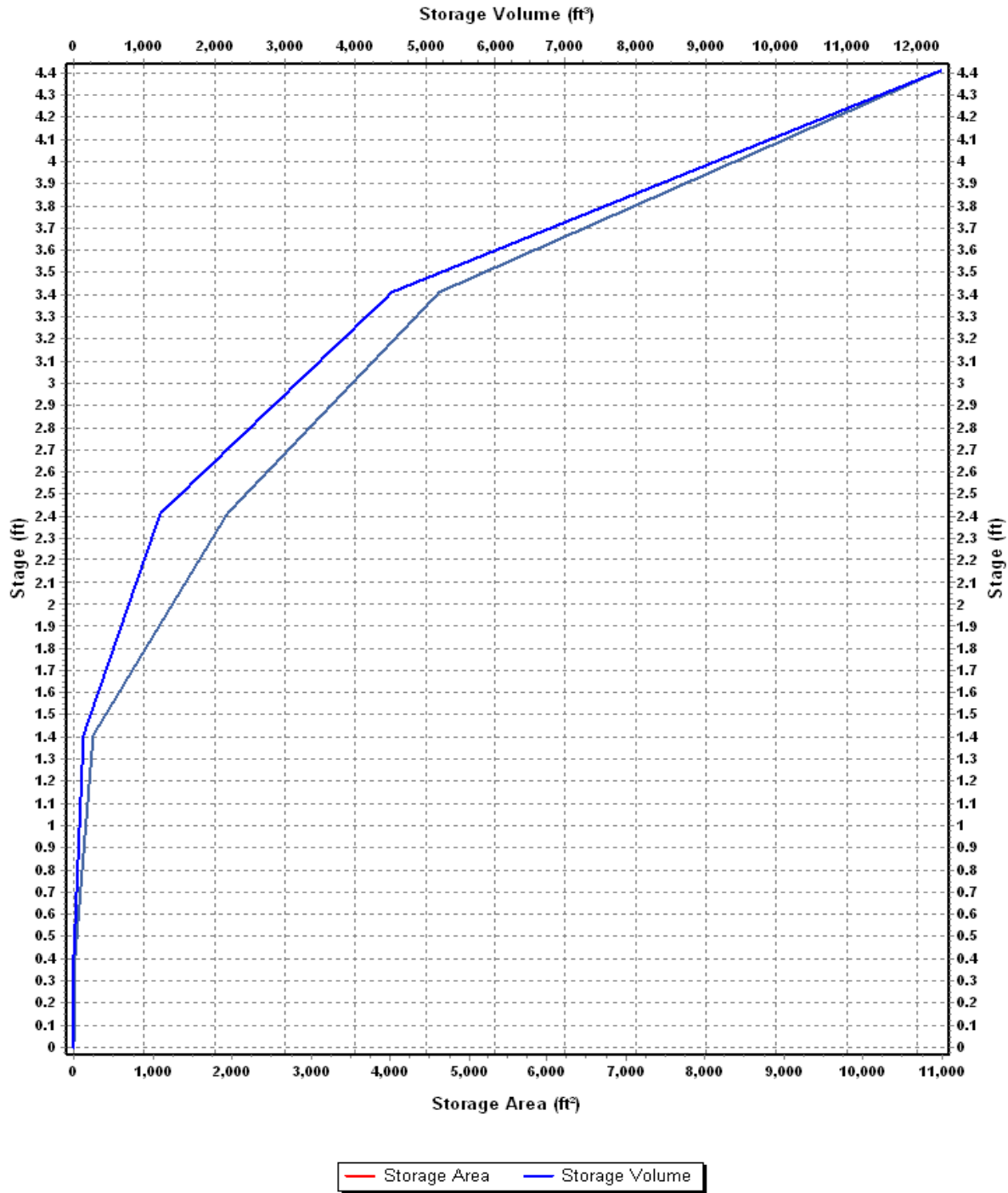
Invert Elevation (ft)	731.59
Max (Rim) Elevation (ft)	736.00
Max (Rim) Offset (ft)	4.41
Initial Water Elevation (ft)	731.59
Initial Water Depth (ft)	0.00
Ponded Area (ft²)	0.00
Evaporation Loss	0.00

Storage Area Volume Curves

Storage Curve : EX\_315A SC

Stage	Storage Area	Storage Volume
(ft)	(ft²)	(ft³)
0	0	0.000
0.41	15.87	3.25
1.41	252.29	137.33
2.41	1953.17	1240.06
3.41	4628.71	4531.00
4.41	10988.71	12339.71

### Storage Area Volume Curves



**Storage Node : 315A (continued)**

**Output Summary Results**

Peak Inflow (cfs) .....	1.48
Peak Lateral Inflow (cfs) .....	1.48
Peak Outflow (cfs) .....	1.48
Peak Exfiltration Flow Rate (cfm) .....	0.00
Max HGL Elevation Attained (ft) .....	731.86
Max HGL Depth Attained (ft) .....	0.27
Average HGL Elevation Attained (ft) .....	731.59
Average HGL Depth Attained (ft) .....	0
Time of Max HGL Occurrence (days hh:mm) .....	0 00:15
Total Exfiltration Volume (1000-ft³) .....	0.000
Total Flooded Volume (ac-in) .....	0
Total Time Flooded (min) .....	0
Total Retention Time (sec) .....	0.00

## Storage Node : Lake2

### Input Data

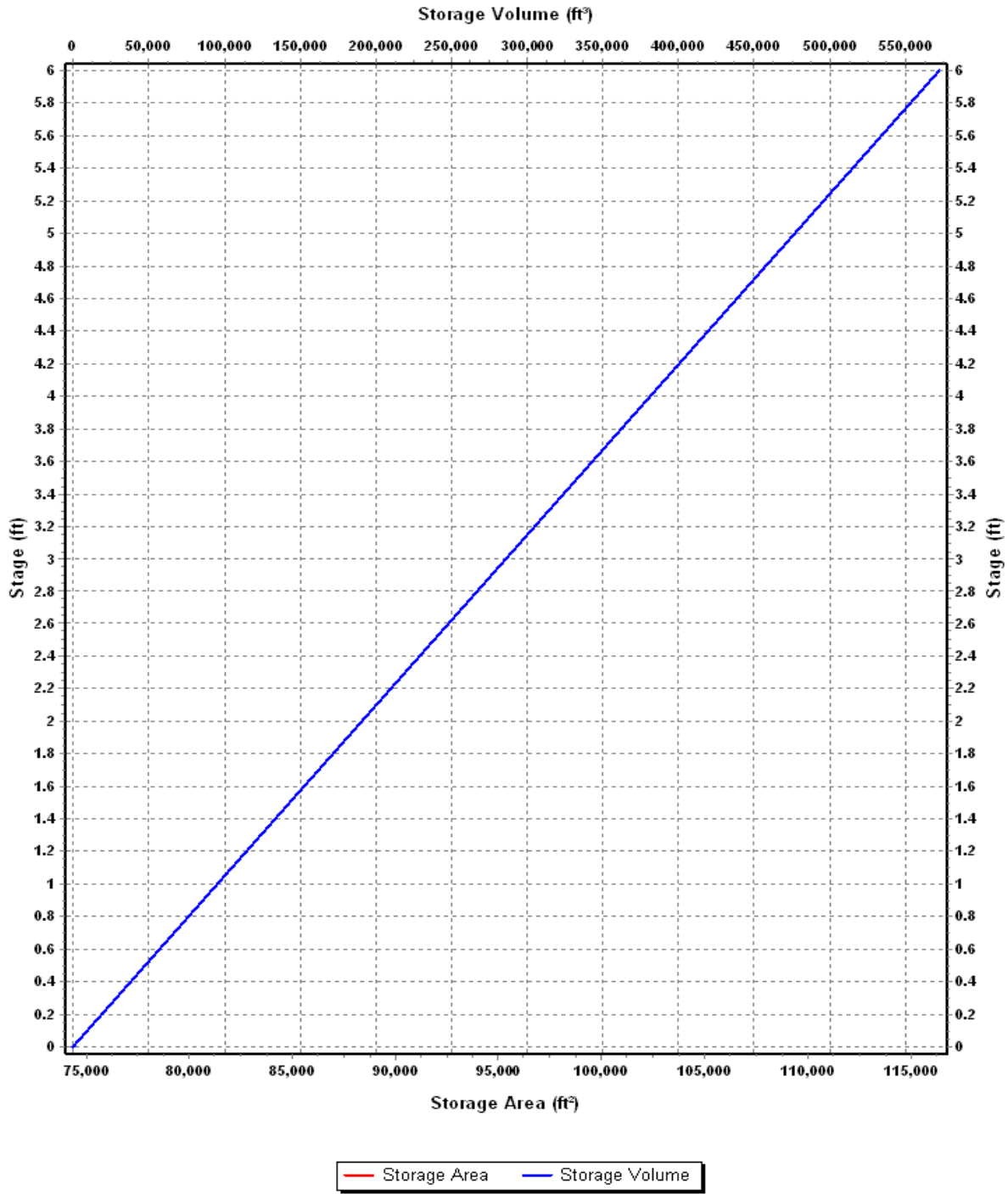
Invert Elevation (ft) .....	735.00
Max (Rim) Elevation (ft) .....	741.00
Max (Rim) Offset (ft) .....	6.00
Initial Water Elevation (ft) .....	735.00
Initial Water Depth (ft) .....	0.00
Ponded Area (ft <sup>2</sup> ) .....	0.00
Evaporation Loss .....	0.00

### Storage Area Volume Curves

Storage Curve : Lake2SC

Stage (ft)	Storage Area (ft <sup>2</sup> )	Storage Volume (ft <sup>3</sup> )
0	74351.9697	0.000
6	116382.71	572204.04

### Storage Area Volume Curves



## Storage Node : Lake2 (continued)

### Output Summary Results

Peak Inflow (cfs) .....	24.28
Peak Lateral Inflow (cfs) .....	8.25
Peak Outflow (cfs) .....	0.00
Peak Exfiltration Flow Rate (cfm) .....	0.00
Max HGL Elevation Attained (ft) .....	735.33
Max HGL Depth Attained (ft) .....	0.33
Average HGL Elevation Attained (ft) .....	735.32
Average HGL Depth Attained (ft) .....	0.32
Time of Max HGL Occurrence (days hh:mm) .....	0 00:43
Total Exfiltration Volume (1000-ft³) .....	0.000
Total Flooded Volume (ac-in) .....	0
Total Time Flooded (min) .....	0
Total Retention Time (sec) .....	0.00



## Storage Node : Lake3

### Input Data

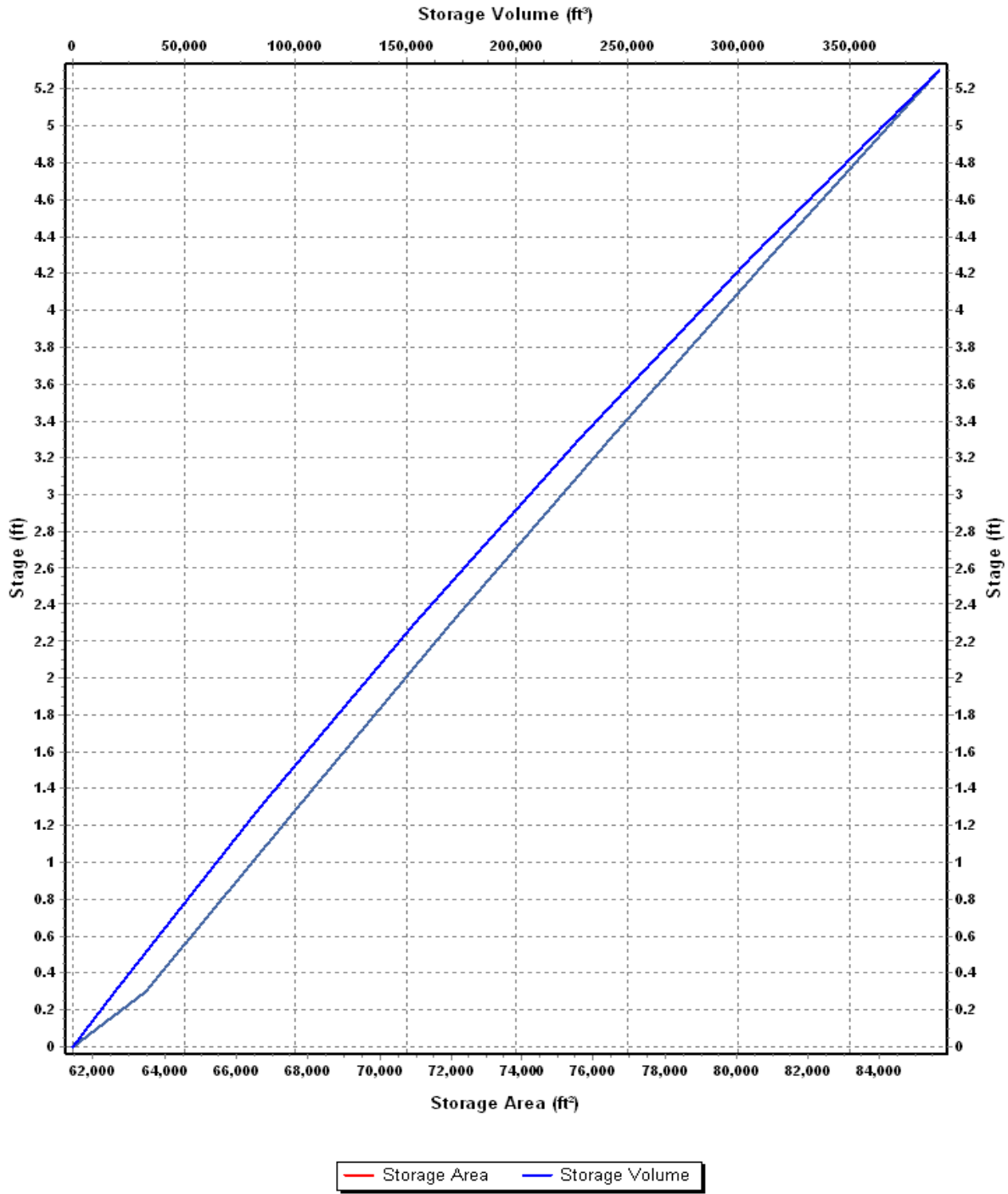
Invert Elevation (ft) .....	731.50
Max (Rim) Elevation (ft) .....	737.00
Max (Rim) Offset (ft) .....	5.50
Initial Water Elevation (ft) .....	731.50
Initial Water Depth (ft) .....	0.00
Ponded Area (ft <sup>2</sup> ) .....	0.00
Evaporation Loss .....	0.00

### Storage Area Volume Curves

Storage Curve : Lake3SC

Stage (ft)	Storage Area (ft <sup>2</sup> )	Storage Volume (ft <sup>3</sup> )
0	61435.27999	0.000
0.3	63475.18002	18736.57
1.3	67699.89998	84324.11
2.3	72024.56	154186.34
3.3	76446.32998	228421.78
4.3	80967.64001	307128.76
5.3	85659.56998	390442.36

### Storage Area Volume Curves



**Storage Node : Lake3 (continued)**

**Output Summary Results**

Peak Inflow (cfs) .....	9.55
Peak Lateral Inflow (cfs) .....	9.55
Peak Outflow (cfs) .....	1.51
Peak Exfiltration Flow Rate (cfm) .....	0.00
Max HGL Elevation Attained (ft) .....	732.10
Max HGL Depth Attained (ft) .....	0.6
Average HGL Elevation Attained (ft) .....	731.70
Average HGL Depth Attained (ft) .....	0.2
Time of Max HGL Occurrence (days hh:mm) .....	0 02:18
Total Exfiltration Volume (1000-ft³) .....	0.000
Total Flooded Volume (ac-in) .....	0
Total Time Flooded (min) .....	0
Total Retention Time (sec) .....	0.00

## Storage Node : Lake4

### Input Data

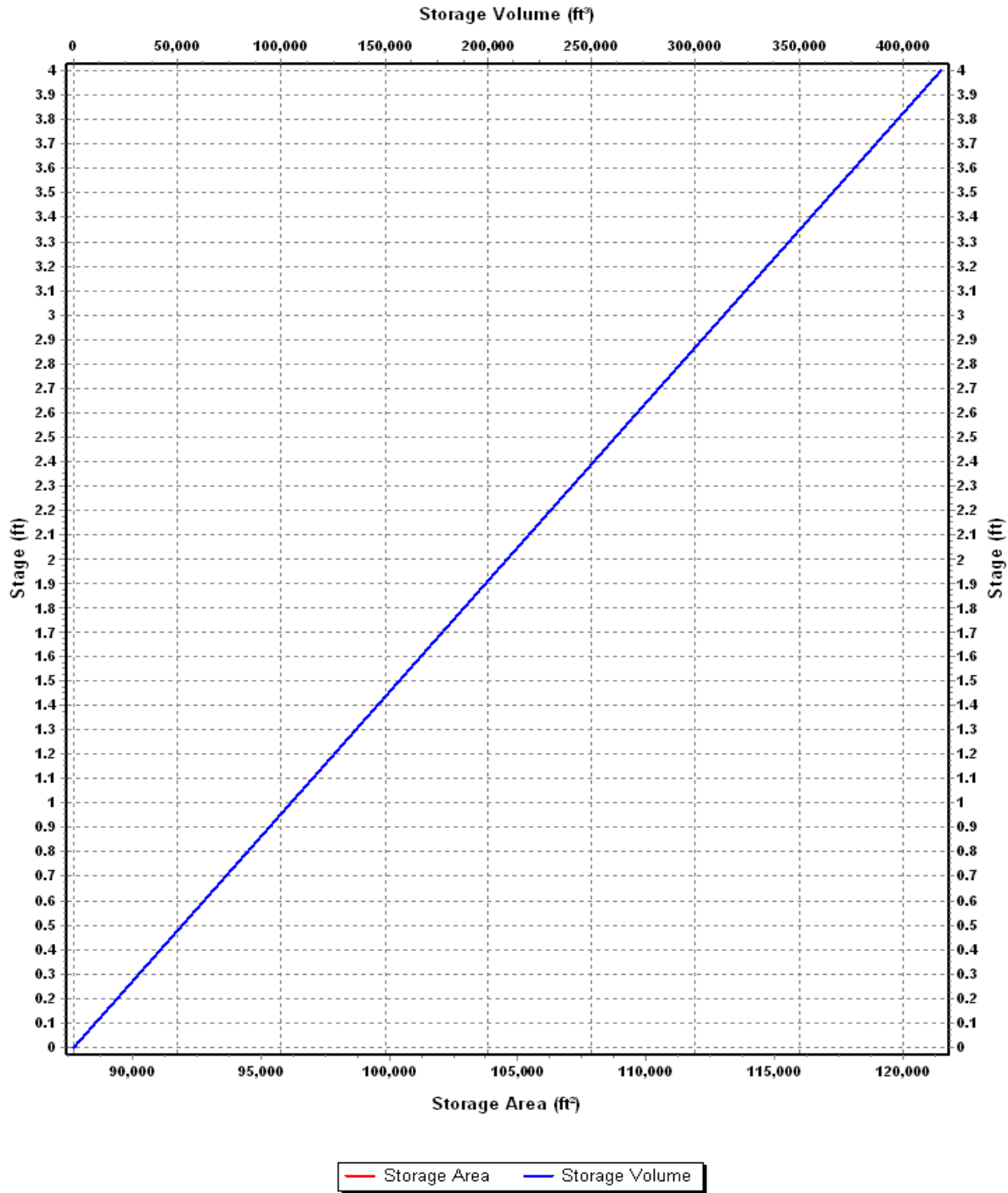
Invert Elevation (ft) .....	729.00
Max (Rim) Elevation (ft) .....	733.00
Max (Rim) Offset (ft) .....	4.00
Initial Water Elevation (ft) .....	729.00
Initial Water Depth (ft) .....	0.00
Ponded Area (ft <sup>2</sup> ) .....	0.00
Evaporation Loss .....	0.00

### Storage Area Volume Curves

Storage Curve : Lake4SC

Stage (ft)	Storage Area (ft <sup>2</sup> )	Storage Volume (ft <sup>3</sup> )
0	87690.6128	0.000
4	121488.0054	418357.24

### Storage Area Volume Curves



**Storage Node : Lake4 (continued)**

**Output Summary Results**

Peak Inflow (cfs) .....	90.43
Peak Lateral Inflow (cfs) .....	0.00
Peak Outflow (cfs) .....	4.25
Peak Exfiltration Flow Rate (cfm) .....	0.00
Max HGL Elevation Attained (ft) .....	730.70
Max HGL Depth Attained (ft) .....	1.7
Average HGL Elevation Attained (ft) .....	730.57
Average HGL Depth Attained (ft) .....	1.57
Time of Max HGL Occurrence (days hh:mm) .....	0 19:02
Total Exfiltration Volume (1000-ft³) .....	0.000
Total Flooded Volume (ac-in) .....	0
Total Time Flooded (min) .....	0
Total Retention Time (sec) .....	0.00

Storage Node : PondA

Input Data

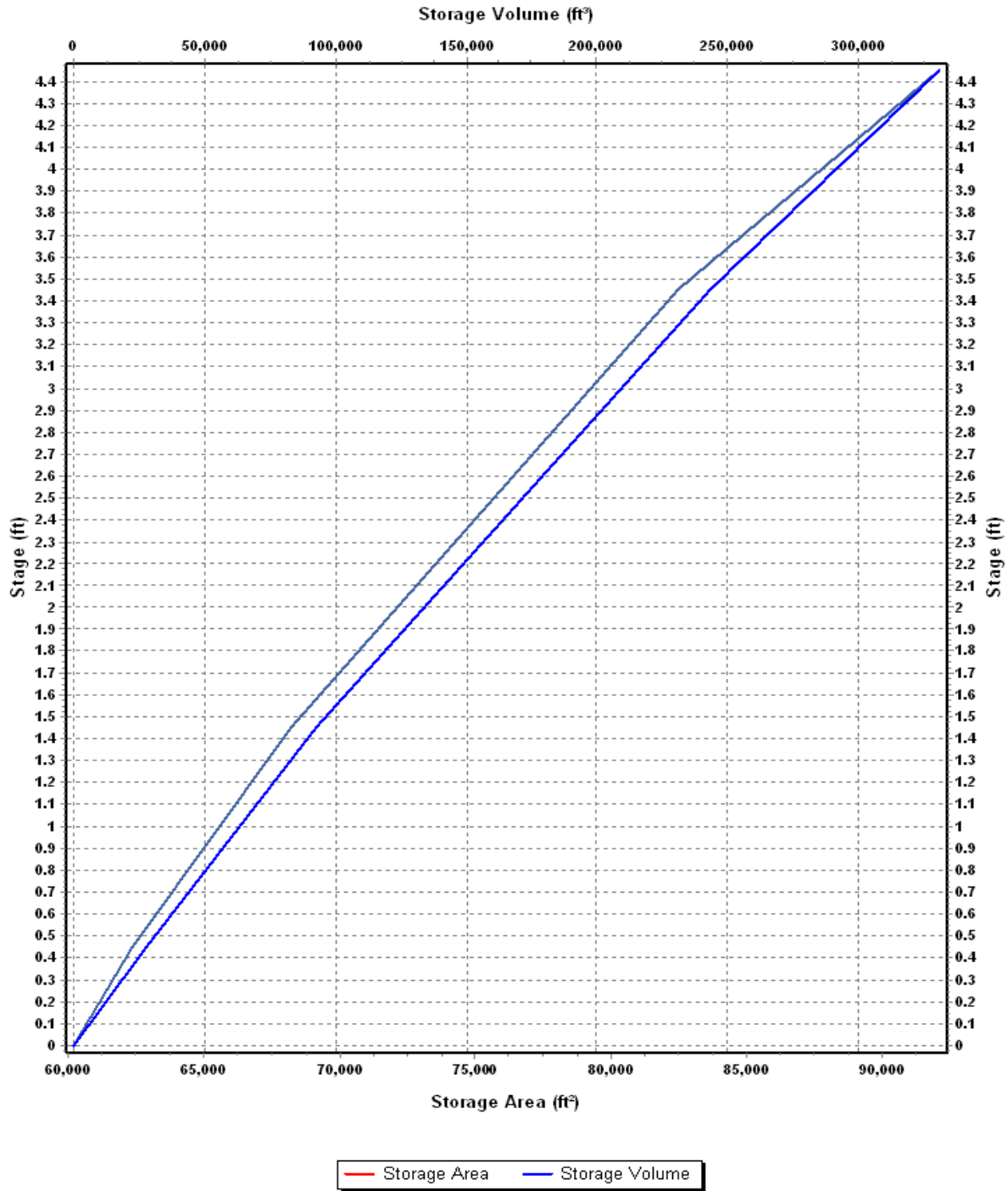
Invert Elevation (ft)	734.55
Max (Rim) Elevation (ft)	739.00
Max (Rim) Offset (ft)	4.45
Initial Water Elevation (ft)	734.55
Initial Water Depth (ft)	0.00
Ponded Area (ft²)	0.00
Evaporation Loss	0.00

Storage Area Volume Curves

Storage Curve : Pond A SC

Stage	Storage Area	Storage Volume
(ft)	(ft²)	(ft³)
0	60199.92	0.000
0.45	62334.36	27570.21
1.45	68214.96	92844.87
3.45	82505.64	243565.47
4.45	92085.84	330861.21

### Storage Area Volume Curves





**Storage Node : PondA (continued)**

**Output Summary Results**

Peak Inflow (cfs) .....	44.18
Peak Lateral Inflow (cfs) .....	44.18
Peak Outflow (cfs) .....	0.67
Peak Exfiltration Flow Rate (cfm) .....	0.00
Max HGL Elevation Attained (ft) .....	735.39
Max HGL Depth Attained (ft) .....	0.84
Average HGL Elevation Attained (ft) .....	735.08
Average HGL Depth Attained (ft) .....	0.53
Time of Max HGL Occurrence (days hh:mm) .....	0 00:39
Total Exfiltration Volume (1000-ft³) .....	0.000
Total Flooded Volume (ac-in) .....	0
Total Time Flooded (min) .....	0
Total Retention Time (sec) .....	0.00

# Bluffs at Youngs Creek Section 5A

Job #83540

## Curb Inlet Capacities

Castings are depressed: 0.10'

Weir Equation:  $Q_i = 3.0 P(d_w)^{1.5}$

Orifice Equation:  $Q_i = 4.89 A_i (d_o)^{0.5}$

Neenah Inlet Type: R-3501-TL or TR

50% Clogged	Perimeter	Area
Unclogged	3.45	0.70
	4.60	1.40

Section 5A

Street Width: 30 ft

Min. Clear Lane Width: 12 ft  
(Clear Lane Width formula subtracts 2 ft for curbing)

\*Note: Perimeter loss due to 50% clog is only 25% reduced length.

Inlet (#)	Rational Flow (cfs)	Contributing Bypass Basins (#)	Bypass Flow (cfs)	Total Flow (cfs)	Grate Perimeter (ft)	Grate Area (ft <sup>2</sup> )	Depth at Casting (Weir) (ft)	Depth at Casting (Orifice) (ft)	Cross-Sectional Slope (%)	Gutter Spread (Weir) (ft)	Gutter Spread (Orifice) (ft)	Clear Lane Width (ft)	Inlet Type
507	1.56			1.56	3.45	0.7	0.28	0.21	2.54%	7.19	4.19	17.0	Single
508	1.81			1.81	6.9	1.4	0.20	0.07	2.54%	3.82	0.00		Double
524	0.96			0.96	3.45	0.7	0.21	0.08	2.54%	4.14	0.00		Single
525	1.63			1.63	3.45	0.7	0.29	0.23	2.54%	7.55	5.00	16.3	Single
535	0.36			0.36	3.45	0.7	0.11	0.01	2.54%	0.29	0.00		Single
536	0.70			0.70	3.45	0.7	0.17	0.04	2.54%	2.61	0.00	25.1	Single
554	1.92			1.92	6.9	1.4	0.21	0.08	2.54%	4.14	0.00		Double
555	1.94			1.94	6.9	1.4	0.21	0.08	2.54%	4.19	0.00	19.7	Double
563	1.91			1.91	6.9	1.4	0.20	0.08	2.54%	4.09	0.00		Double
564	1.88			1.88	6.9	1.4	0.20	0.08	2.54%	4.01	0.00	19.9	Double
575	0.60			0.60	3.45	0.7	0.15	0.03	2.54%	1.96	0.00	24.1	Single
576	0.60			0.60	3.45	0.7	0.15	0.03	2.54%	1.96	0.00		Single

# Bluffs at Youngs Creek Section 5A

## Gutter Spread Calculations

Job #83540

Castings are depressed: 0.10'

$$T = \frac{d}{S_T}$$

Street Width: 30 ft

Minimum Clear Lane Width: 10 ft

(Clear Lane Width formula subtracts 2 ft for curbing)

$$d = \left[ 1.49 Q_S n \frac{S_T}{S_L^{1/2}} \right]^{3/8}$$

### Section 5A

Inlet	Total Flow (Rational + Bypass)	Flow Direction	% of Flow	Divided Rational Flow	Longitudinal Slope	Cross-Sectional Slope	Manning's Coefficient	Depth at Casting	Gutter Spread	Clear Lane Width
(#)	(cfs)		(%)	(cfs)	(%)	(%)		(ft)	(ft)	(ft)
507	1.56	Left	50%	0.78	0.60%	2.54%	0.013	0.15	5.76	16.1
		Right	50%	0.78	1.00%	2.54%	0.013	0.13	5.23	
508	1.81	Left	50%	0.91	1.00%	2.54%	0.013	0.14	5.54	
		Right	50%	0.91	0.60%	2.54%	0.013	0.15	6.10	
524	0.96	Left	50%	0.48	0.60%	2.54%	0.013	0.12	4.81	17.3
		Right	50%	0.48	1.00%	2.54%	0.013	0.11	4.37	
525	1.63	Left	50%	0.82	1.00%	2.54%	0.013	0.14	5.33	
		Right	50%	0.82	0.60%	2.54%	0.013	0.15	5.86	
535	0.36	Left	100%	0.36	1.50%	2.54%	0.013	0.09	3.65	19.7
		Right	0%	0.00	1.50%	2.54%	0.013	0.00	0.00	
536	0.70	Left	0%	0.00	1.50%	2.54%	0.013	0.00	0.00	
		Right	100%	0.70	1.50%	2.54%	0.013	0.12	4.66	
554	1.92	Left	45%	0.87	0.60%	2.54%	0.013	0.15	6.00	16.0
		Right	55%	1.06	1.20%	2.54%	0.013	0.14	5.68	
555	1.94	Left	55%	1.07	1.20%	2.54%	0.013	0.14	5.69	
		Right	45%	0.87	0.60%	2.54%	0.013	0.15	6.01	
563	1.91	Left	45%	0.86	1.30%	2.54%	0.013	0.13	5.17	14.5
		Right	55%	1.05	0.60%	2.54%	0.013	0.16	6.44	
564	1.88	Left	70%	1.31	0.60%	2.54%	0.013	0.18	7.01	
		Right	30%	0.56	1.30%	2.54%	0.013	0.11	4.41	
575	0.60	Left	50%	0.30	0.60%	2.54%	0.013	0.10	4.03	19.9
		Right	50%	0.30	1.94%	2.54%	0.013	0.08	3.23	
576	0.60	Left	50%	0.30	1.94%	2.54%	0.013	0.08	3.23	
		Right	50%	0.30	0.60%	2.54%	0.013	0.10	4.03	

# Bluffs at Youngs Creek Section 5A

## Yard Inlet Capacities

Job #83540

### Section 5A

Type:

R-4342	Perimeter	Area
Clogged	6.00	2.50
50%	4.50	1.25

For yard inlets located in rear yards  
Ponding depth at casting can be no greater than 9  
inches or 0.75 feet

$$0.6A(2gh)^{0.5}$$

Inlet	Rational Flow	Grate Perimeter	Grate Area	Depth at Casting (Weir)	Depth at Casting (Orifice)
(#)	(cfs)	(ft)	(ft <sup>2</sup> )	(ft)	(ft)
534	0.43	4.50	1.25	0.10	0.00
574	1.02	4.50	1.25	0.18	0.03
577	2.29	4.50	1.25	0.31	0.14
578	2.66	4.50	1.25	0.34	0.19

# Channel Report

## 534 north

### Triangular

Side Slopes (z:1) = 3.00, 3.00  
Total Depth (ft) = 1.00

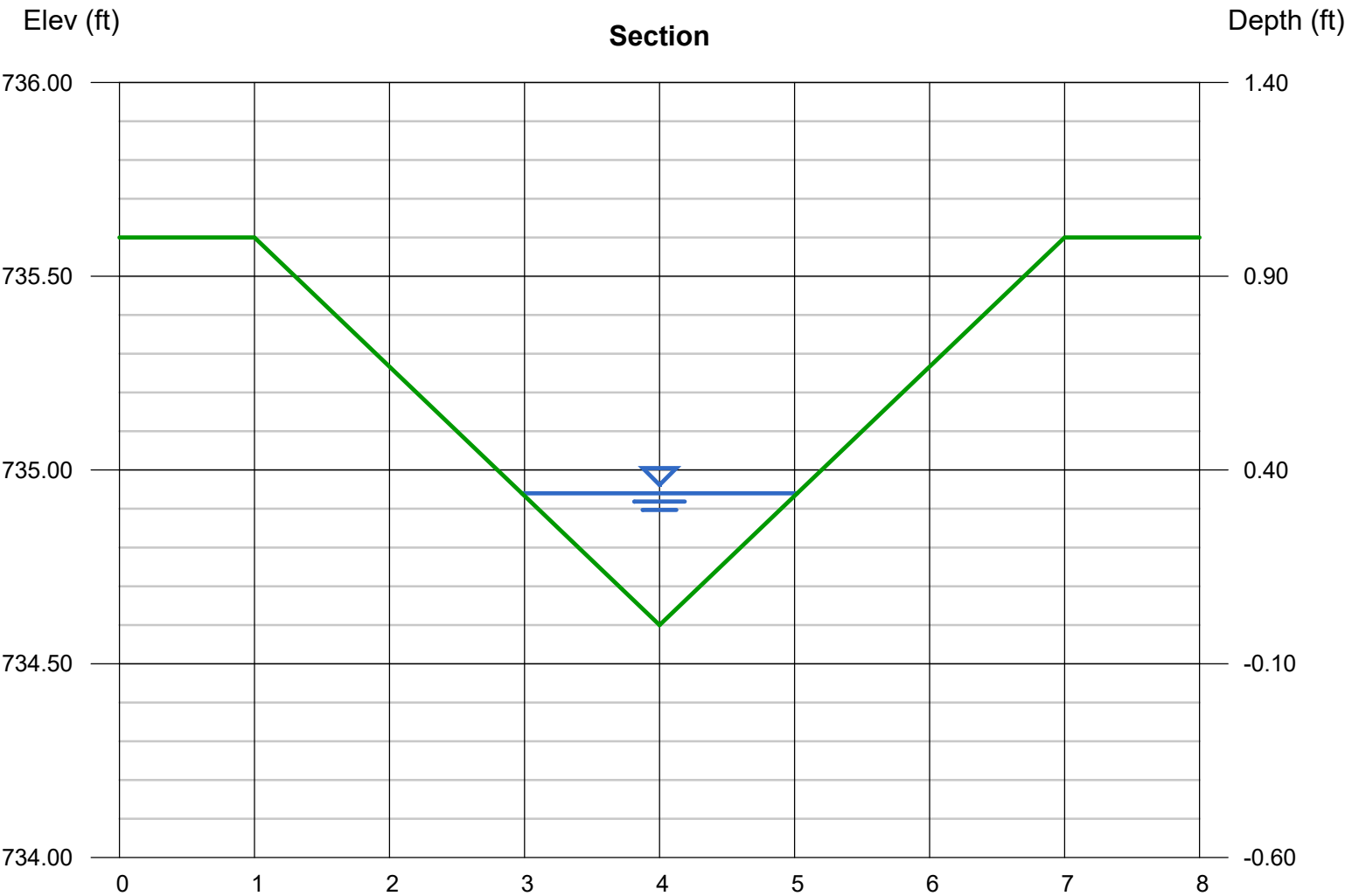
Invert Elev (ft) = 734.60  
Slope (%) = 1.00  
N-Value = 0.035

### Calculations

Compute by: Known Q  
Known Q (cfs) = 0.43

### Highlighted

Depth (ft) = 0.34  
Q (cfs) = 0.429  
Area (sqft) = 0.35  
Velocity (ft/s) = 1.24  
Wetted Perim (ft) = 2.15  
Crit Depth, Yc (ft) = 0.27  
Top Width (ft) = 2.04  
EGL (ft) = 0.36



# Channel Report

## 534 south

### Triangular

Side Slopes (z:1) = 3.00, 3.00  
Total Depth (ft) = 1.00

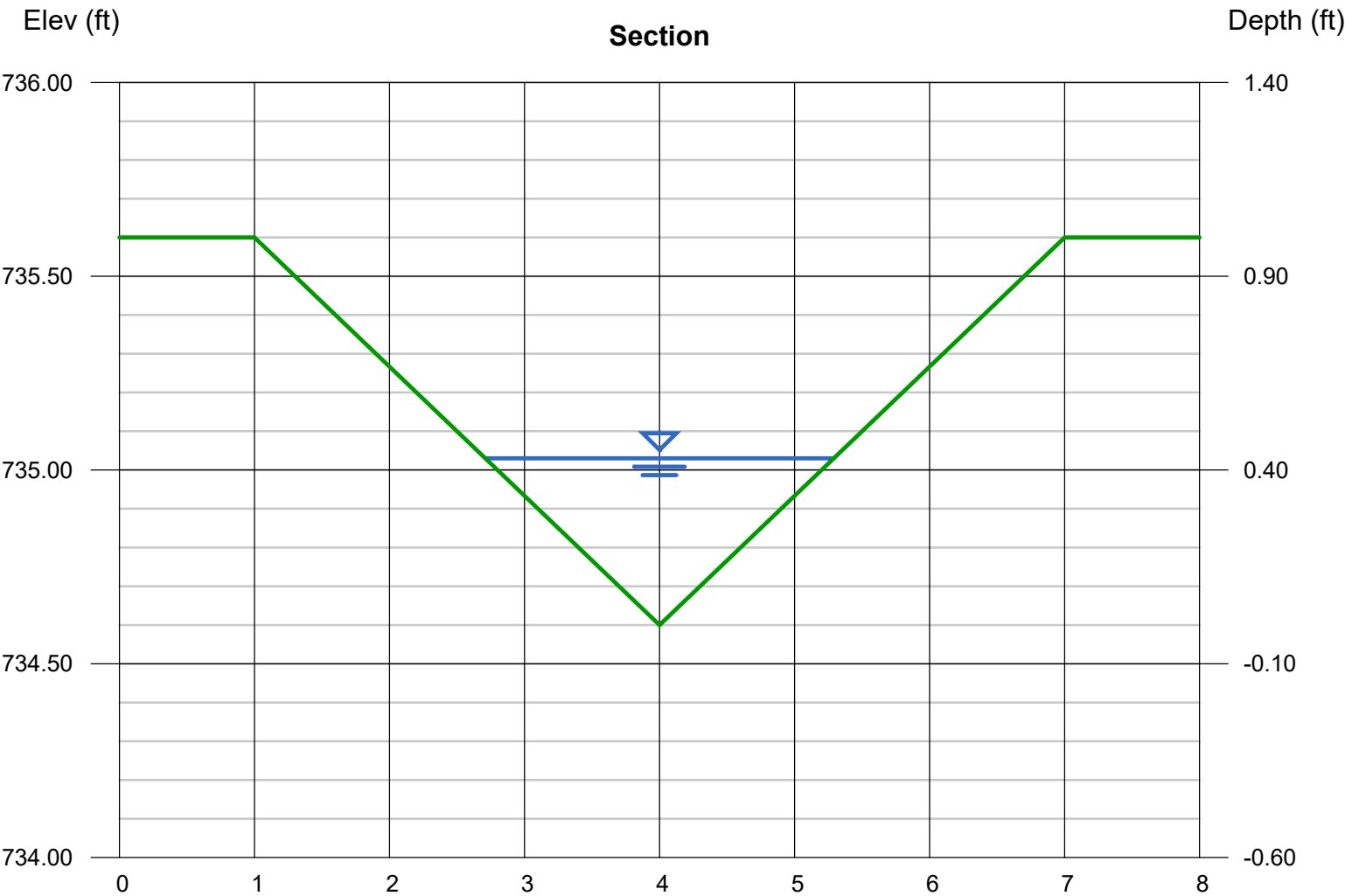
Invert Elev (ft) = 734.60  
Slope (%) = 0.30  
N-Value = 0.035

### Calculations

Compute by: Known Q  
Known Q (cfs) = 0.43

### Highlighted

Depth (ft) = 0.43  
Q (cfs) = 0.430  
Area (sqft) = 0.55  
Velocity (ft/s) = 0.78  
Wetted Perim (ft) = 2.72  
Crit Depth, Yc (ft) = 0.27  
Top Width (ft) = 2.58  
EGL (ft) = 0.44



# Channel Report

574

Triangular

Side Slopes (z:1) = 3.00, 3.00  
Total Depth (ft) = 1.00

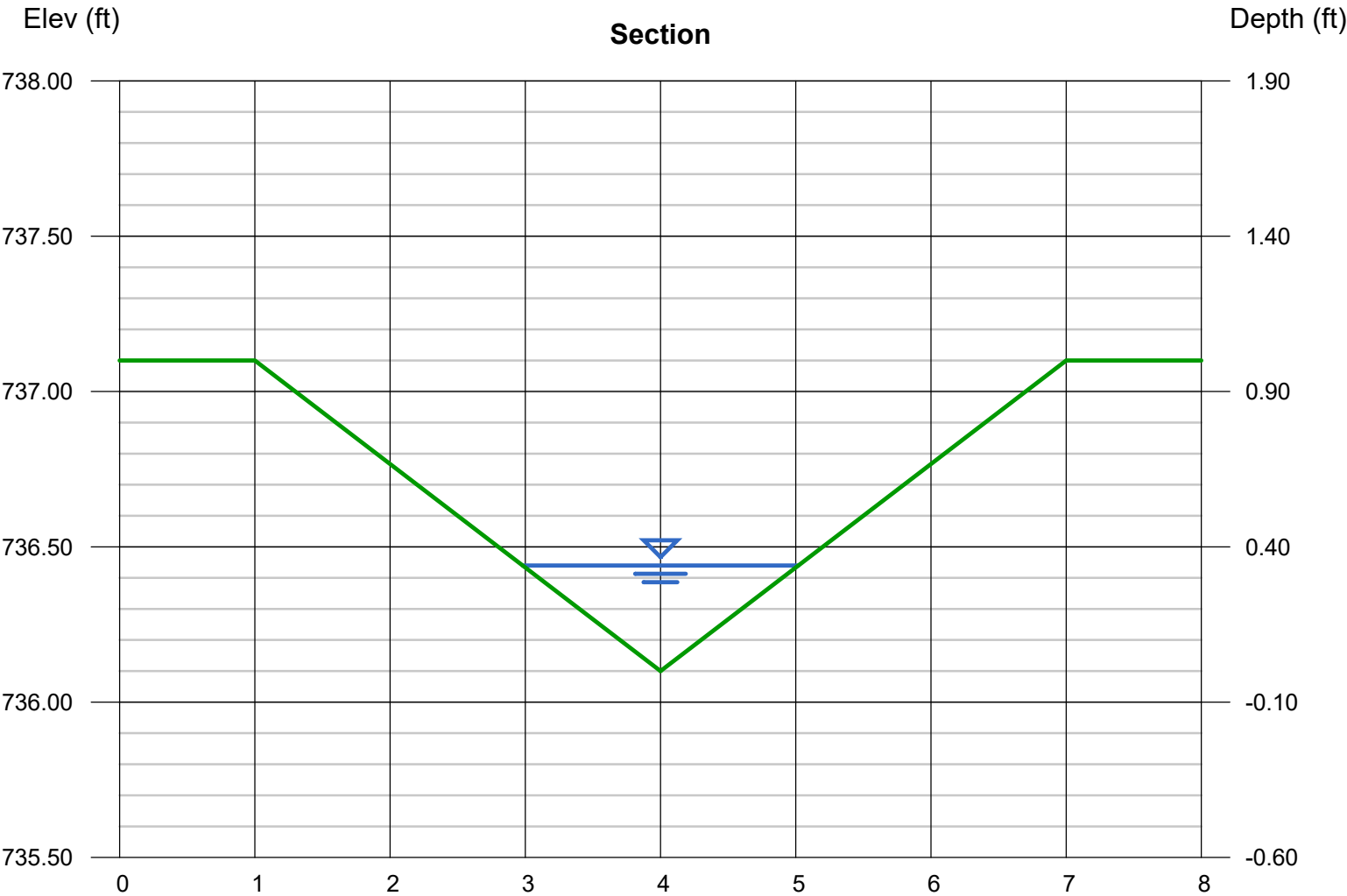
Invert Elev (ft) = 736.10  
Slope (%) = 1.30  
N-Value = 0.035

Calculations

Compute by: Known Q  
Known Q (cfs) = 0.47

Highlighted

Depth (ft) = 0.34  
Q (cfs) = 0.472  
Area (sqft) = 0.35  
Velocity (ft/s) = 1.36  
Wetted Perim (ft) = 2.15  
Crit Depth, Yc (ft) = 0.28  
Top Width (ft) = 2.04  
EGL (ft) = 0.37



# Channel Report

577

Triangular

Side Slopes (z:1) = 3.00, 3.00  
Total Depth (ft) = 1.00

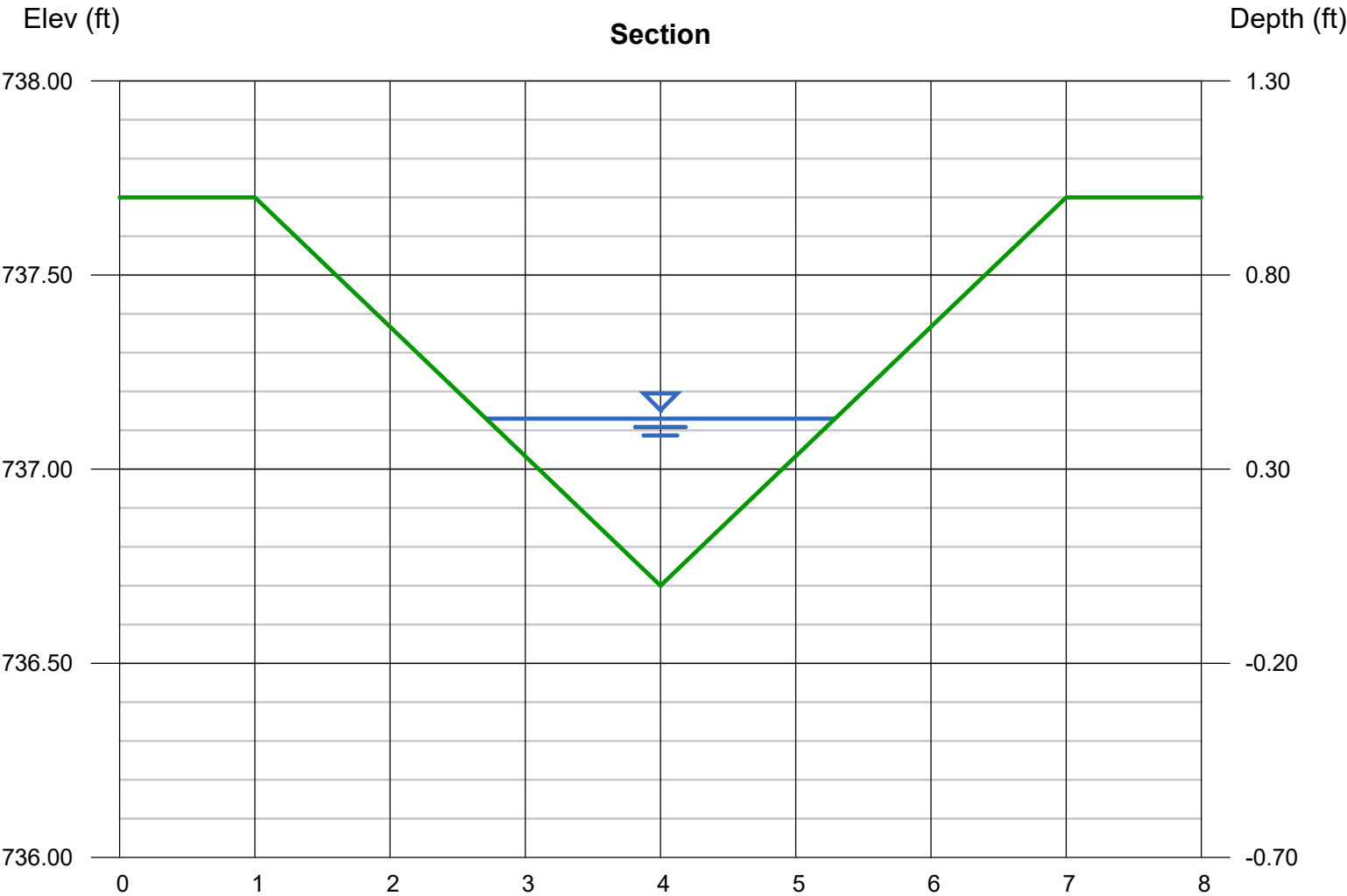
Invert Elev (ft) = 736.70  
Slope (%) = 1.33  
N-Value = 0.035

Calculations

Compute by: Known Q  
Known Q (cfs) = 0.93

Highlighted

Depth (ft) = 0.43  
Q (cfs) = 0.925  
Area (sqft) = 0.55  
Velocity (ft/s) = 1.67  
Wetted Perim (ft) = 2.72  
Crit Depth, Yc (ft) = 0.36  
Top Width (ft) = 2.58  
EGL (ft) = 0.47





# Channel Report

578

Triangular

Side Slopes (z:1) = 3.00, 3.00  
Total Depth (ft) = 1.00

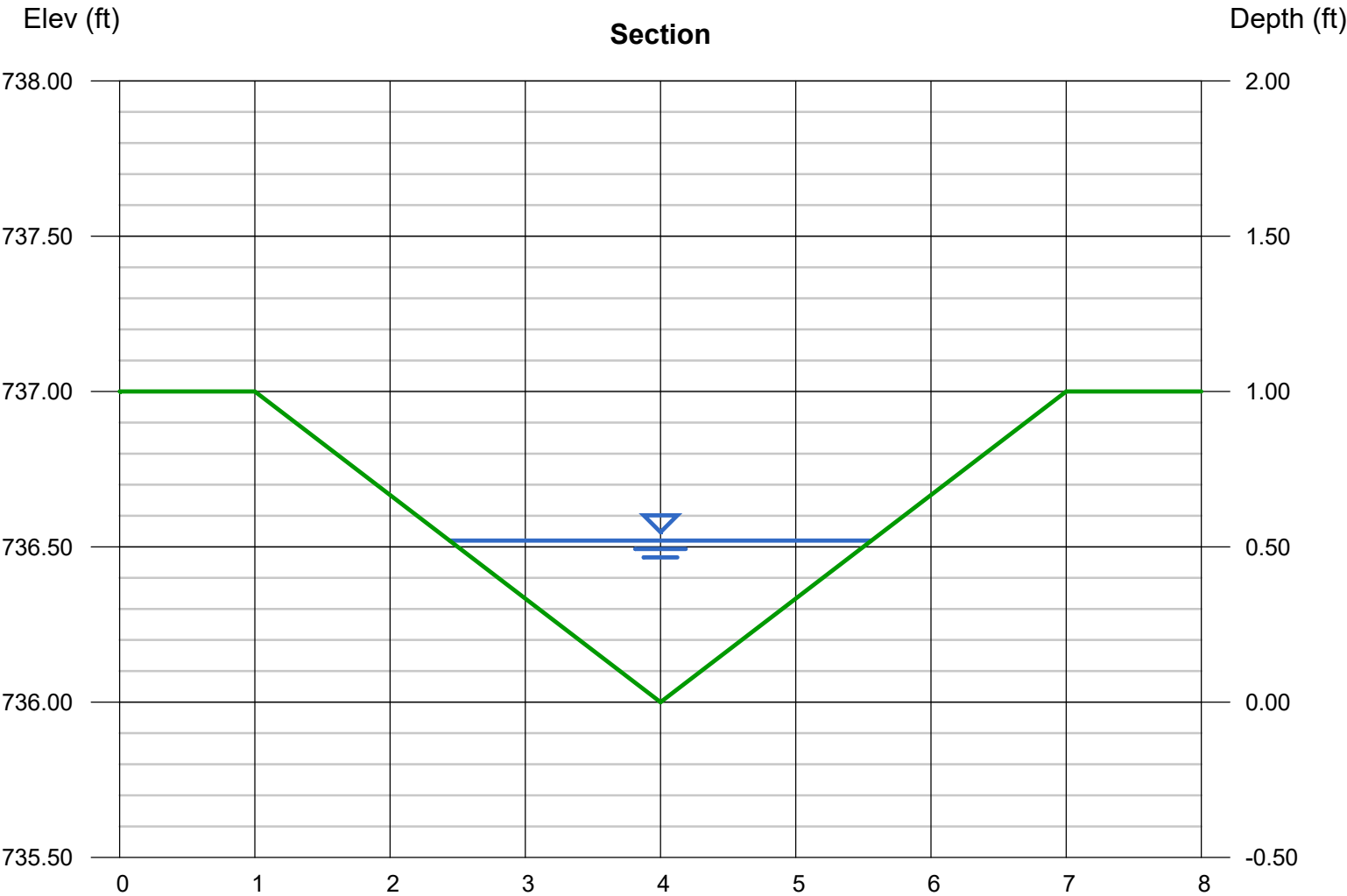
Invert Elev (ft) = 736.00  
Slope (%) = 1.00  
N-Value = 0.035

Calculations

Compute by: Known Q  
Known Q (cfs) = 1.35

Highlighted

Depth (ft) = 0.52  
Q (cfs) = 1.352  
Area (sqft) = 0.81  
Velocity (ft/s) = 1.67  
Wetted Perim (ft) = 3.29  
Crit Depth, Yc (ft) = 0.42  
Top Width (ft) = 3.12  
EGL (ft) = 0.56



# **APPENDIX C**

## **WATER QUALITY ANALYSIS**

# Bluffs at Youngs Creek Sections 5

Job # 83540

Water Quality Volume

Detention Pond	Total Drainage Area (ac)	1/2" Direct Runoff (ft <sup>3</sup> )	1 1/4" 24hr Runoff (ft <sup>3</sup> )	Water Quality Volume (WQv) (ft <sup>3</sup> )
Lake #3	42.36	76883.4	51317	15377

WQv = 20% of the larger of 1/2" Direct runoff or runoff from the 1 1/4" 24 hr rainfall event

## Lake Staging Above Normal Pool

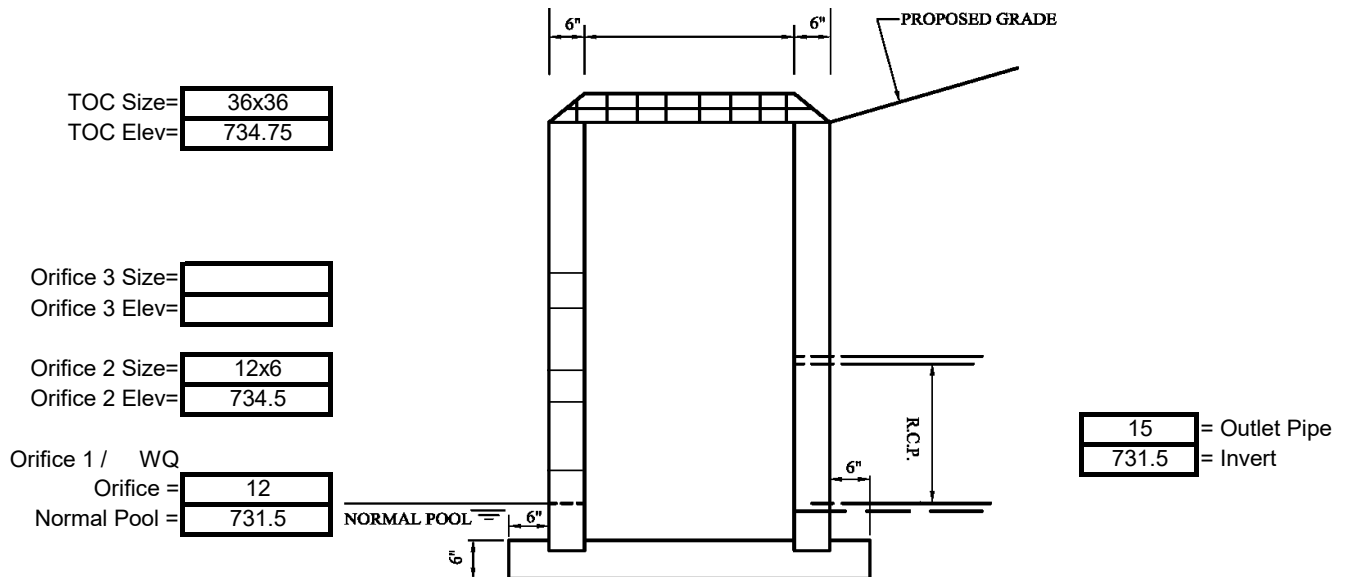
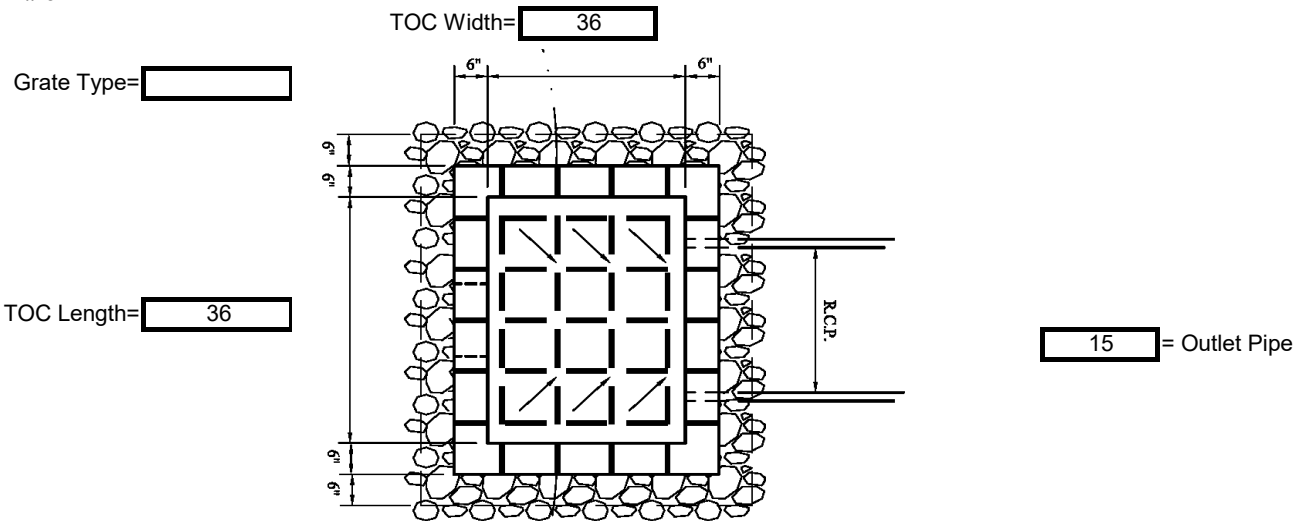
Water Quality Volume (ft <sup>3</sup> )	15377	<b>Peak of Lake Discharge</b>		
Normal Pool Elevation	731.5	<b>2 yr</b>	<b>10 yr</b>	<b>100 yr</b>
Water Quality Elevation	731.62	<b>Time (hr)</b>	15.6	15.56
Water Quality Stage Height (ft)	0.12	<b>Elev (ft)</b>	732.72	733.54
		<b>Event Time</b>	24	24
				12
<b>Time to WQv 24 hours after Peak</b>				
		<b>2 yr</b>	<b>10 yr</b>	<b>100 yr</b>
<b>Elevation</b>	<b>Average Area (ft<sup>2</sup>)</b>	<b>Volume (ft<sup>3</sup>)</b>	<b>Cumulative Volume (ft<sup>3</sup>)</b>	
731.5	128938	0	0	Normal Pool
732	133294	65558	65558	
733	141570	137432	202990	
734	150282	145926	348916	
735	159430	154856	503772	
736	168577	318859	667775	Top of bank
				<b>Time (hr)</b>
				39.60
				39.56
				34.28
				<b>Elev (ft)</b>
				731.98
				732.31
				733.49
				<b>CHECK</b>
				OK
				OK
				OK

# Bluffs at Youngs Creek Section 5

## Outlet Structure

Job #83540

Lake # 3



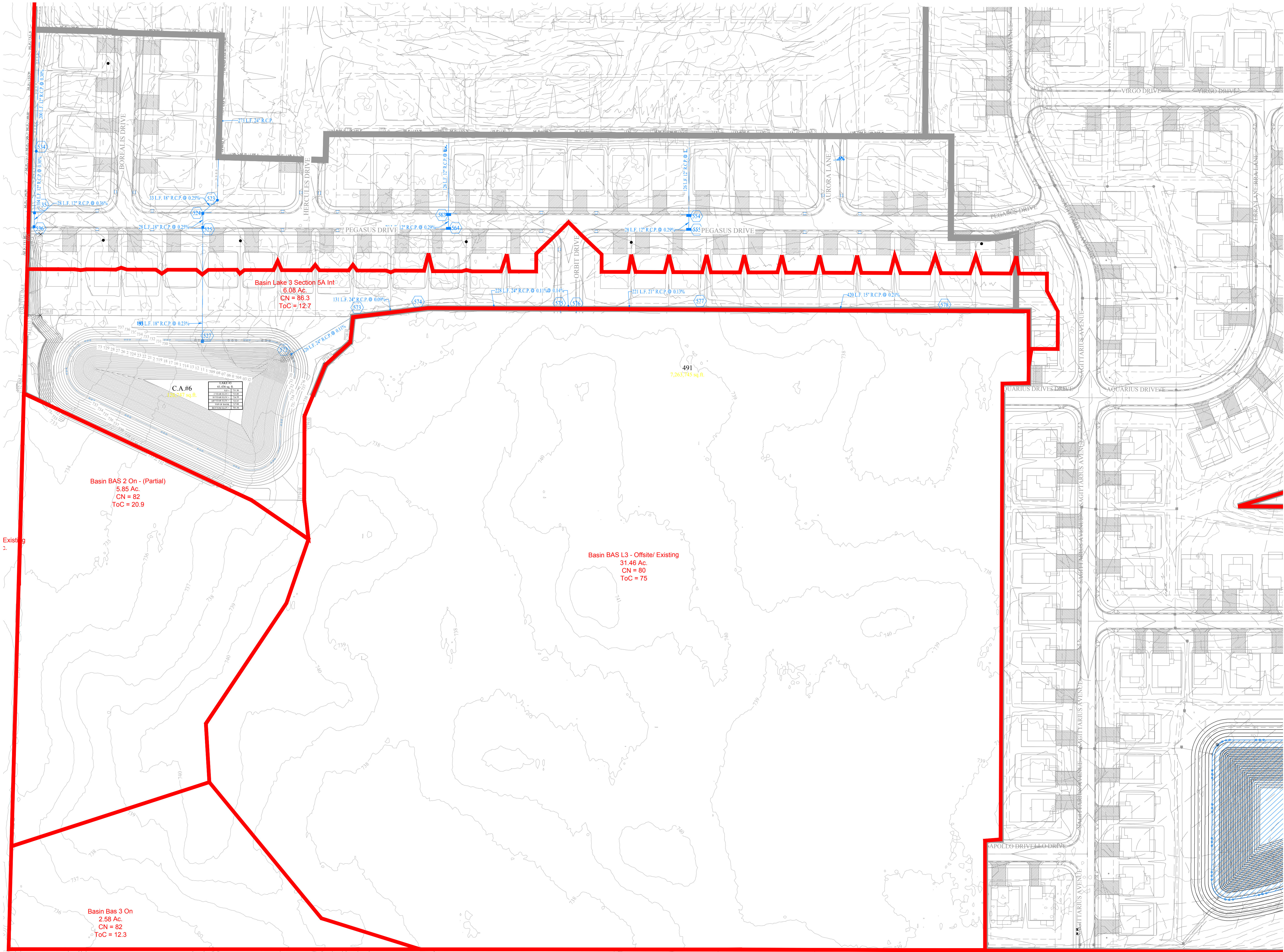
OUTLET CONTROL STRUCTURE DETAIL  
NOT TO SCALE

# **APPENDIX D**

## **BASIN MAPS**



File Name: S:\83540\Drainage\Basin Maps\Bluffs at Youngs Creek 5A.dwg POND ROUTING BASIN MAP1  
Modified / By: May 9, 2023 9:09:38 AM / jbrown  
Plotted / By: May 10, 2023 7:13:50 AM / Brian Brown



GRAPHIC SCALE  
80' 0 40' 80'  
( IN FEET )  
1" = 80 FT

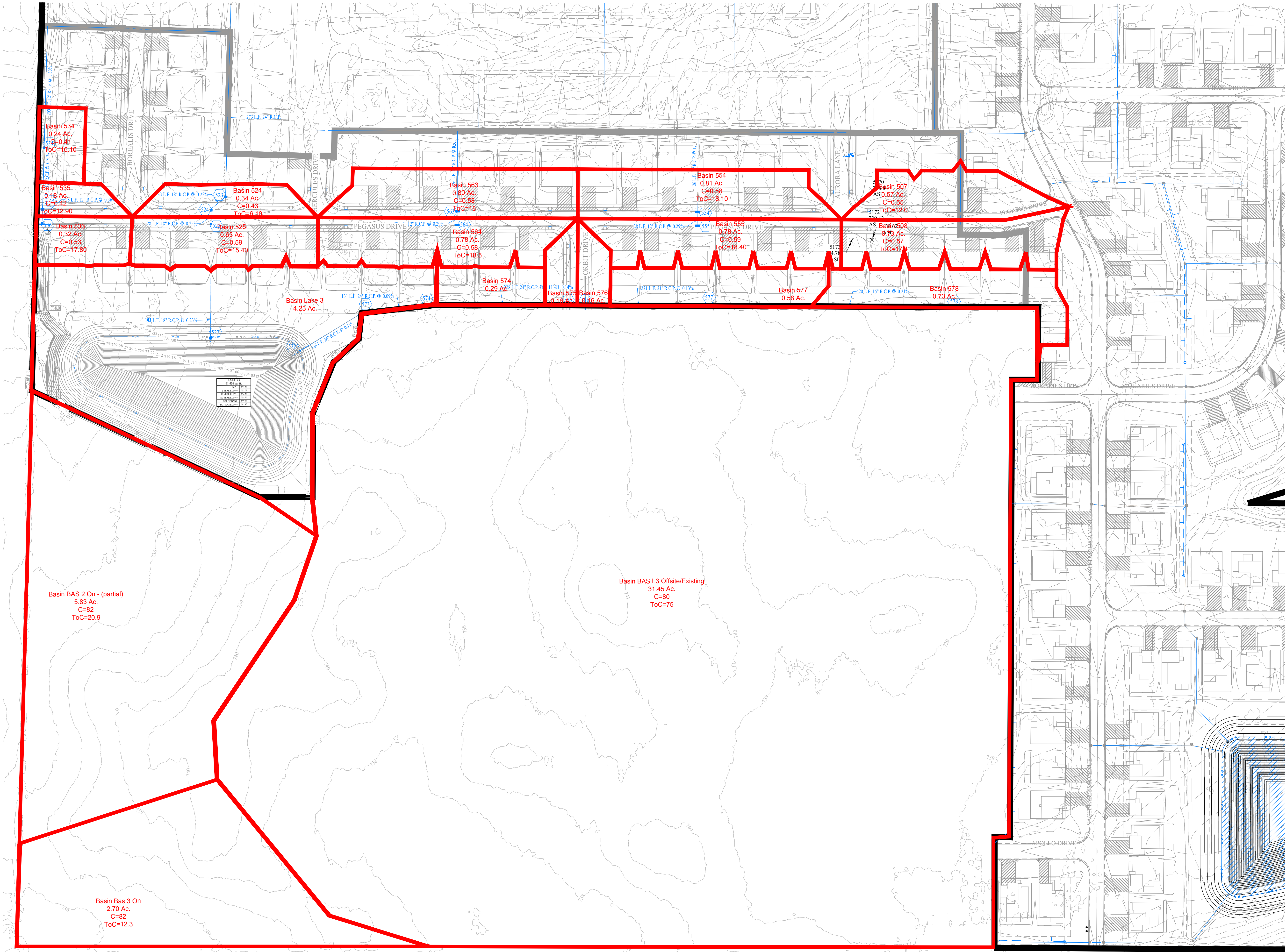
LEGEND

- EXISTING STORM SEWER
- BASIN BREAKLINE
- PROPOSED STORM SEWER
- LAKE NORMAL POOL

DRAWN BY: NRS		CHECKED BY: BMB	
SHEET NO. PR-1		S & A JOB NO. 83540	
POND ROUTING BASIN MAP		JOHNSON, IN	
BLUFFS AT YOUNGS CREEK		FRANKLIN, FRANKLIN	
STOEPPELWERTH		ALWAYS ON	
7965 East 10th Street, Fishers, IN 46038-2905		phone: 317.849.5955 fax: 317.849.5942	
DATE		MARK	
REVISIONS		BY	



File Name: S:\83540\Drawings\Basin Maps\Bluffs at Youngs Creek EA.dwg PIPE SIZING BASIN MAP (2)  
Modified / By: May 9, 2023 9:09:38 AM / jbrown  
Plotted / By: May 10, 2023 7:10:53 AM / Brian Brown



GRAPHIC SCALE  
(IN FEET)  
1" = 80 FT

**LEGEND**

- EXISTING STORM SEWER
- BASIN BREAKLINE
- PROPOSED STORM SEWER
- LAKE NORMAL POOL

PIPE SIZING BASIN MAP

BLUFFS AT YOUNGS CREEK

STOEPPELWERTH

ALWAYS ON

7905 East 10th Street, Fishers, IN 46038-2905  
phone: 317.849.5955 fax: 317.849.5942

FRANKLIN, IN

JOHNSON, IN

DRAWN BY: NRS

CHECKED BY: BMB

SHEET NO.

PS-1

S & A JOB NO. 83540

DATE

MARK

REVISIONS

BY