

WINTERFIELD OVERALL

PRELIMINARY DRAINAGE REPORT

PREPARED FOR:

FORESTAR

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DATE PREPARED:

January 31, 2022

DRAINAGE REPORT

WINTERFIELD

100405FOR

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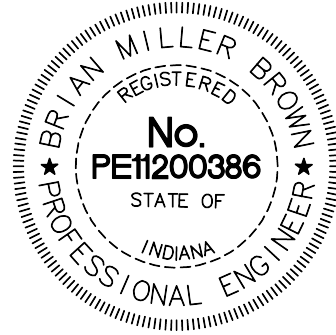
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ENGINEERING CERTIFICATION

WINTERFIELD

DRAINAGE REPORT AND ANALYSIS



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)

1/28/2022

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).

PRODUCER Conner Insurance Inc. 8445 Keystone Crossing Suite 200 Indianapolis, IN 46240	CONTACT NAME: PHONE (A/C, No, Ext): (317) 808-7711		FAX (A/C, No):
	E-MAIL ADDRESS:		
INSURED Stoeppelwerth and Associates, Inc. and Sand Key Properties 7965 East 106th Street Fishers, IN 46038	INSURER(S) AFFORDING COVERAGE		NAIC #
	INSURER A : Continental Casualty Company		20443
	INSURER B : National Fire Insurance Company of Hartford		20478
	INSURER C :		
	INSURER D :		
	INSURER E :		
INSURER F :			

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

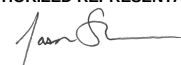
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE 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	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PROJECT ☐ LOC OTHER:	X	X	6079062911	8/1/2021	8/1/2022	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	AUTOMOBILE LIABILITY ☒ ANY AUTO OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☒ HIRED AUTOS ONLY ☒ NON-OWNED AUTOS ONLY	X	X	BUA6043009424	8/1/2021	8/1/2022	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	☒ UMBRELLA LIAB ☒ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE ☐ DED ☒ RETENTION \$ 10,000	X		CUE6079062925	8/1/2021	8/1/2022	EACH OCCURRENCE \$ 2,000,000 AGGREGATE \$ 2,000,000 \$ 2,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) ☒ Y / N ☒ N If yes, describe under DESCRIPTION OF OPERATIONS below		X	WC6043009438	8/1/2021	8/1/2022	☒ PER STATUTE ☐ 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	8/1/2021	8/1/2022	Buildings 2,230,268
A	Professional Liabili			AEH008216301	1/28/2022	1/28/2023	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 is an Additional Insured on General Liability and Auto Liability per forms CNA74879XX 1/15 and CNA63359XX 4/12 per written contract. General Liability Coverage is Primary and Non-Contributory to any other insurance of the Certificate Holder per written contract (Form CNA74879XX 1/15). A Waiver of Subrogation applies to General Liability and Worker's Compensation per forms CNA74879XX 1/15 & WC000313 4/84 per written contract. All forms and endorsements are attached to this certificate. A thirty-day (30) notice will be given to the certificate holder in the event of cancellation, non-renewal or material change in coverage.

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 

DRAINAGE NARRATIVE

WINTERFIELD
100405FOR

INTRODUCTION

Forestar is planning a residential development in the City of Franklin, Johnson County called Winterfield. The site is located southwest of the intersection of E 300 N. and Hurricane Road. The site is more specifically located in a part of the Northwest and Southwest Quarters of Section 1, Township 12 North, Range 4 East of the Second Principal Meridian, Johnson County, Indiana.

EXISTING SITE CONDITIONS

The Winterfield development is approximately 130.6 acres. The site consists of several smaller basins draining outwards towards the site boundary and then 2 large basin running Northwest to Southeast that drains Southeast. All basins drainage towards Hurricane Creek (the outlet) besides basins J and F.

Per the Effective Flood Insurance Rate Maps (FIRM), Panel 18081C01143E with the effective date 01/29/2021, the site is primarily located in Zone X, a minimal flood hazard area. Refer to Exhibit 2.

The Franklin Subdivision Ordinance states the allowable release rates will be as follows: a 2 year pre development rainfall event for a 10 year post development storm and then 10 year pre to 100 year post. Below in Table 1, are release rates for all basins draining towards Hurricane Creek. The allowable release rate for the 10 year post storm is 98.3 cfs and 100 year is 188 cfs.

The onsite project area has an existing land use of farmland. There is a residential subdivision to the southwest and then north, south and west of the project site are all farmland and woods. The soils of the onsite basins are made up of type C, Miami Silt Loam, type B Brookston Silty Clay Loam, type C Crosby-Miami Silt Loam and type B, Brookston Silty Clay.

Table 1 – Existing Site Conditions – Basin Flow			
STORM	2-YEAR	10-YEAR	100-YEAR
Basin A	3.37	7.29	16.93
Basin B	4.63	9.49	20.91
Basin C	10.15	20.06	42.28
Basin D	4.68	9.36	19.88
Basin E	14.87	29.87	64.52
Basin G	36.36	66.64	123.79
Basin H	8.24	15.82	32.34
Basin K	16.01	29.69	60.66
EXISTING OVERALL RELEASE RATES	98.31	188.22	381.31

To establish the 100-year allowable discharge rate, the 10-year storm event was run for the pre-developed basin. Likewise, to establish the 10-year allowable discharge rate, the 2-year storm event was run for the pre-developed basin, the results of which can be found in Table 1 above. These release rate criteria are based upon the City of Franklin Subdivision Control Ordinance.

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 SCS Type II rainfall distribution was used to generate the hydrographs.

PROPOSED SITE CONDITIONS

This preliminary drainage report reflects the proposed conditions of Winterfield. There will be five (5) proposed detention ponds, named Ponds 1-5, located throughout the site. Pond 1 will be the outlet pond, with an outlet control structure. The numbering of the ponds will be based on the phasing of the site. All basins for the preliminary drainage analysis have been assumed to have a 87 curve number. This is based off a type D soils and a cover type of ¼ acre residential. All basins are also assumed to have a time of concentration of 15 minutes.

Table 2 - Proposed Site Conditions – Overall Release Rates			
	2-YEAR	10-YEAR	100-YEAR
ALLOWABLE RELEASE RATES		98.31 cfs	188.22 cfs
PROPOSED OVERALL RELEASE RATES	20.76 cfs (24hr)	38.91 cfs (24hr)	60.59 cfs (24hr)

The outlet control structure for Lake 1 was designed to control the flows and lake elevations, which can be found in Table 2 above. There is no offsite areas.

Table 3 - Proposed Site Conditions – Lake Elevations			
	2-YEAR	10-YEAR	100-YEAR
Lake #1	746.46 ft. (24hr)	747.03 ft. (24hr)	747.52 ft. (24hr)

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 SCS Type II 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.

STORM SEWER DESIGN

The use of Manning's equation was used for determination of storm drain pipe 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 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 12' lane of traffic to remain open during the 10-year storm event.

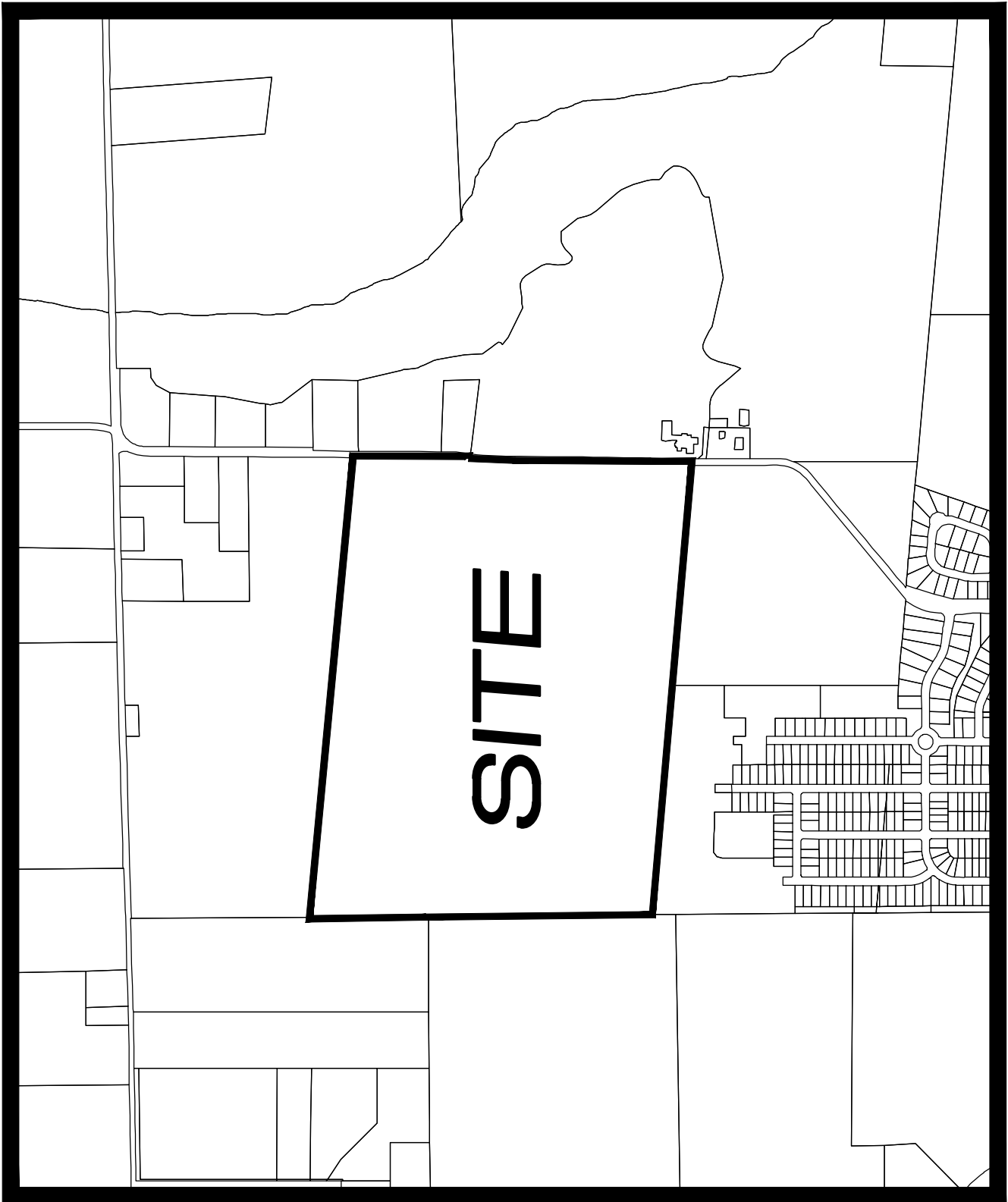
REFERENCES

Design and data methods are based on the following references:

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

EXHIBITS

- 1 LOCATION MAP**
- 2 FLOODPLAIN MAP**
- 3 SOILS MAP AND REPORT**
- 4 JOHNSON COUNTY RAINFALL DATA**



LOCATION MAP
SCALE: 1" = 2000'

National Flood Hazard Layer FIRMette



86°2'44"W 39°31'7"N

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

Without Base Flood Elevation (BFE)
Zone A, V, AE9

With BFE or Depth
Zone AE, AO, AH, VE, AR

Regulatory Floodway

SPECIAL FLOOD HAZARD AREAS

0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*

Future Conditions 1% Annual Chance Flood Hazard *Zone X*

Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*

Area with Flood Risk due to Levee *Zone D*

OTHER AREAS OF FLOOD HAZARD

NO SCREEN

Area of Minimal Flood Hazard *Zone X*

Effective LOMRs

Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES

Channel, Culvert, or Storm Sewer

Levee, Dike, or Floodwall

OTHER FEATURES

Cross Sections with 1% Annual Chance Water Surface Elevation

Coastal Transect

Base Flood Elevation Line (BFE)

Limit of Study

Jurisdiction Boundary

Coastal Transect Baseline

Profile Baseline

Hydrographic Feature

MAP PANELS

Digital Data Available

No Digital Data Available

Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

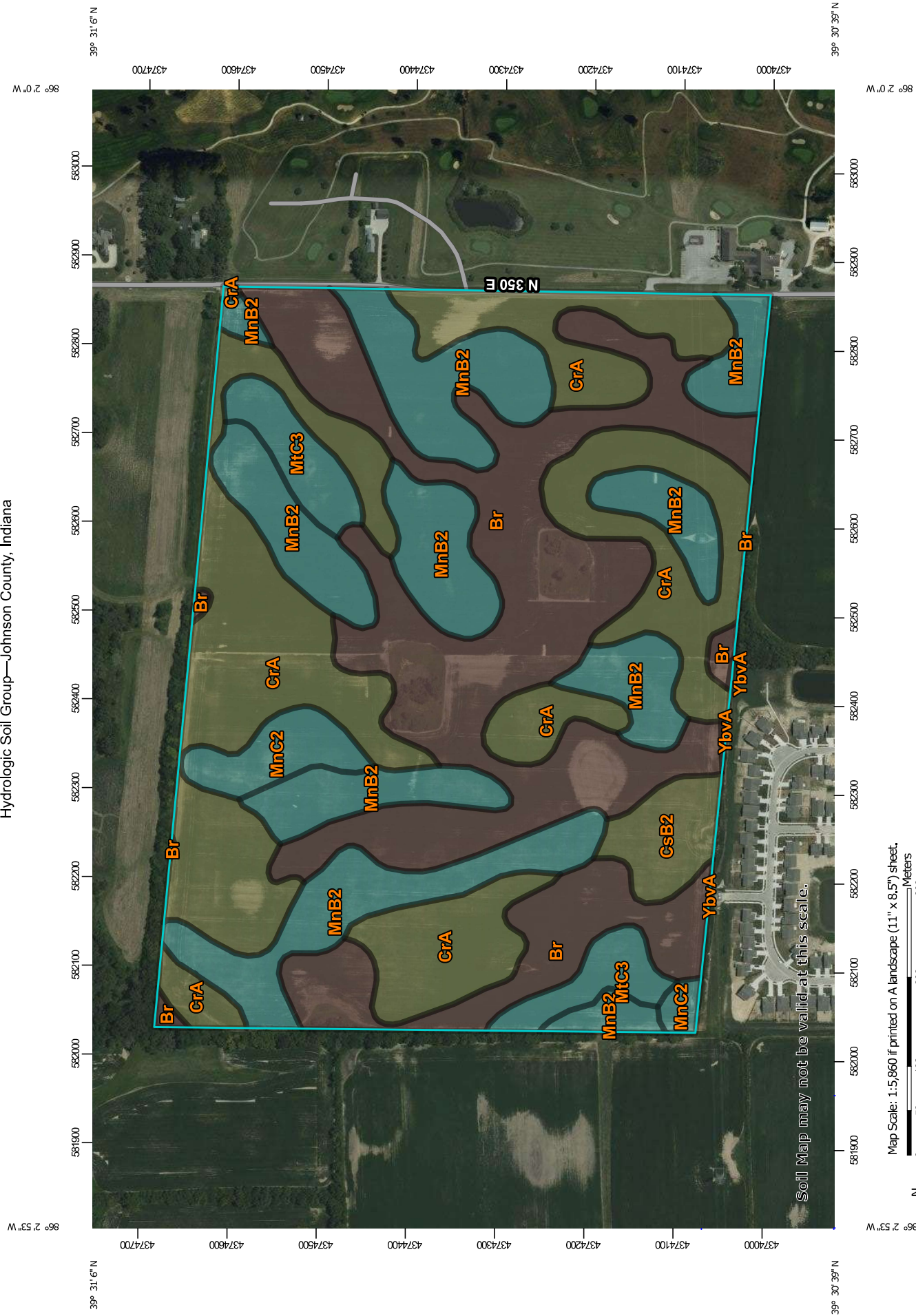
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **10/25/2021 at 1:07 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

01/31/2022
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Hydrologic Soil Group—Johnson County, Indiana



MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

A

A/D

B

B/D

C

C/D

D

Not rated or not available

Soil Rating Lines

A

A/D

B

B/D

C

C/D

D

Not rated or not available

Soil Rating Points

A

A/D

B

B/D

Water Features

Streams and Canals

Transportation

Rails

Interstate Highways

US Routes

Major Roads

Local Roads

Background

Aerial Photography

C

C/D

D

Not rated or not available

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Johnson County, Indiana
Survey Area Data: Version 29, Sep 8, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jul 27, 2019—Oct 20, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Br	Brookston silty clay loam, 0 to 2 percent slopes	B/D	40.3	31.9%
CrA	Crosby silt loam, fine-loamy subsoil, 0 to 2 percent slopes	C/D	40.7	32.3%
CsB2	Crosby-Miami silt loams, 2 to 4 percent slopes, eroded	C/D	3.2	2.6%
MnB2	Miami silt loam, 2 to 6 percent slopes, eroded	C	33.2	26.3%
MnC2	Miami silt loam, 6 to 12 percent slopes, eroded	C	3.5	2.7%
MtC3	Miami clay loam, 6 to 12 percent slopes, severely eroded	C	5.2	4.1%
YbvA	Brookston silty clay loam-Urban land complex, 0 to 2 percent slopes	B/D	0.1	0.1%
Totals for Area of Interest			126.3	100.0%

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher



POINT PRECIPITATION FREQUENCY ESTIMATES

G.M. Bonnin, D. Martin, B. Lin, T. Parzybok, M.Yekta, and D. Riley

NOAA, National Weather Service, Silver Spring, Maryland

[PF_tabular](#) | [PF_graphical](#) | [Maps & aeriels](#)

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches) ¹										
Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.373 (0.333-0.422)	0.444 (0.396-0.502)	0.532 (0.473-0.601)	0.601 (0.533-0.678)	0.692 (0.609-0.781)	0.763 (0.666-0.863)	0.832 (0.719-0.943)	0.905 (0.775-1.03)	1.00 (0.843-1.15)	1.07 (0.891-1.24)
10-min	0.580 (0.517-0.655)	0.694 (0.618-0.783)	0.827 (0.735-0.933)	0.928 (0.822-1.05)	1.06 (0.931-1.20)	1.16 (1.01-1.31)	1.25 (1.08-1.42)	1.35 (1.16-1.54)	1.47 (1.24-1.69)	1.56 (1.30-1.81)
15-min	0.711 (0.634-0.803)	0.848 (0.755-0.958)	1.02 (0.902-1.15)	1.14 (1.01-1.29)	1.31 (1.15-1.48)	1.43 (1.25-1.62)	1.56 (1.35-1.76)	1.68 (1.44-1.91)	1.84 (1.55-2.11)	1.96 (1.62-2.26)
30-min	0.940 (0.839-1.06)	1.14 (1.01-1.28)	1.39 (1.24-1.57)	1.59 (1.41-1.79)	1.85 (1.62-2.09)	2.05 (1.79-2.31)	2.25 (1.94-2.55)	2.45 (2.10-2.79)	2.72 (2.29-3.12)	2.93 (2.43-3.38)
60-min	1.15 (1.02-1.30)	1.39 (1.24-1.57)	1.75 (1.55-1.97)	2.02 (1.79-2.28)	2.40 (2.11-2.70)	2.70 (2.35-3.05)	3.00 (2.60-3.41)	3.33 (2.85-3.79)	3.77 (3.17-4.32)	4.12 (3.41-4.75)
2-hr	1.34 (1.20-1.52)	1.62 (1.45-1.84)	2.04 (1.82-2.31)	2.38 (2.10-2.69)	2.85 (2.50-3.21)	3.23 (2.81-3.65)	3.64 (3.13-4.11)	4.07 (3.45-4.60)	4.67 (3.89-5.32)	5.16 (4.22-5.93)
3-hr	1.42 (1.27-1.61)	1.72 (1.53-1.95)	2.17 (1.93-2.46)	2.53 (2.24-2.86)	3.05 (2.67-3.44)	3.47 (3.01-3.92)	3.93 (3.36-4.45)	4.41 (3.72-5.01)	5.10 (4.21-5.83)	5.66 (4.58-6.52)
6-hr	1.69 (1.51-1.94)	2.05 (1.82-2.34)	2.59 (2.29-2.95)	3.03 (2.67-3.44)	3.66 (3.19-4.15)	4.19 (3.62-4.74)	4.75 (4.05-5.39)	5.36 (4.49-6.10)	6.24 (5.11-7.13)	6.96 (5.58-8.00)
12-hr	2.03 (1.82-2.30)	2.44 (2.19-2.76)	3.04 (2.71-3.43)	3.52 (3.14-3.97)	4.20 (3.71-4.72)	4.76 (4.17-5.34)	5.35 (4.63-6.01)	5.97 (5.08-6.72)	6.84 (5.71-7.76)	7.55 (6.20-8.62)
24-hr	2.42 (2.24-2.64)	2.91 (2.68-3.17)	3.56 (3.28-3.88)	4.07 (3.74-4.43)	4.76 (4.36-5.19)	5.31 (4.84-5.79)	5.86 (5.32-6.40)	6.43 (5.80-7.02)	7.19 (6.43-7.88)	7.78 (6.92-8.70)
2-day	2.84 (2.63-3.08)	3.40 (3.14-3.68)	4.15 (3.83-4.49)	4.72 (4.35-5.12)	5.50 (5.05-5.96)	6.11 (5.58-6.63)	6.72 (6.11-7.30)	7.35 (6.65-7.99)	8.18 (7.34-8.93)	8.82 (7.87-9.66)
3-day	3.05 (2.84-3.28)	3.64 (3.39-3.91)	4.41 (4.10-4.74)	5.01 (4.65-5.38)	5.81 (5.38-6.25)	6.44 (5.94-6.92)	7.08 (6.50-7.61)	7.72 (7.06-8.31)	8.57 (7.79-9.25)	9.23 (8.34-9.98)
4-day	3.25 (3.04-3.48)	3.88 (3.63-4.14)	4.67 (4.38-5.00)	5.29 (4.95-5.65)	6.13 (5.71-6.54)	6.77 (6.30-7.22)	7.43 (6.89-7.92)	8.09 (7.47-8.62)	8.96 (8.24-9.57)	9.64 (8.82-10.3)
7-day	3.85 (3.59-4.13)	4.58 (4.27-4.91)	5.50 (5.12-5.89)	6.22 (5.79-6.66)	7.20 (6.69-7.71)	7.98 (7.39-8.53)	8.77 (8.10-9.37)	9.56 (8.81-10.2)	10.6 (9.76-11.4)	11.5 (10.5-12.3)
10-day	4.40 (4.12-4.70)	5.22 (4.89-5.58)	6.25 (5.85-6.68)	7.05 (6.60-7.53)	8.15 (7.60-8.69)	9.01 (8.39-9.60)	9.88 (9.17-10.5)	10.8 (9.95-11.5)	11.9 (11.0-12.7)	12.9 (11.8-13.7)
20-day	6.03 (5.68-6.42)	7.13 (6.71-7.59)	8.41 (7.91-8.95)	9.40 (8.83-10.00)	10.7 (10.0-11.4)	11.7 (11.0-12.5)	12.7 (11.9-13.5)	13.7 (12.8-14.6)	15.0 (13.9-16.0)	16.0 (14.8-17.0)
30-day	7.42 (7.00-7.86)	8.73 (8.24-9.26)	10.2 (9.57-10.8)	11.3 (10.6-11.9)	12.7 (11.9-13.5)	13.8 (12.9-14.6)	14.9 (13.9-15.8)	15.9 (14.9-16.9)	17.3 (16.1-18.4)	18.3 (16.9-19.5)
45-day	9.41 (8.87-9.97)	11.0 (10.4-11.7)	12.7 (12.0-13.5)	14.0 (13.2-14.9)	15.7 (14.7-16.6)	16.9 (15.9-17.9)	18.1 (17.0-19.2)	19.3 (18.0-20.4)	20.7 (19.3-22.0)	21.8 (20.2-23.2)
60-day	11.3 (10.6-11.9)	13.2 (12.4-14.0)	15.1 (14.2-16.0)	16.6 (15.6-17.6)	18.5 (17.4-19.6)	19.9 (18.7-21.1)	21.3 (19.9-22.5)	22.6 (21.1-23.9)	24.2 (22.6-25.7)	25.4 (23.6-27.0)

¹ Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

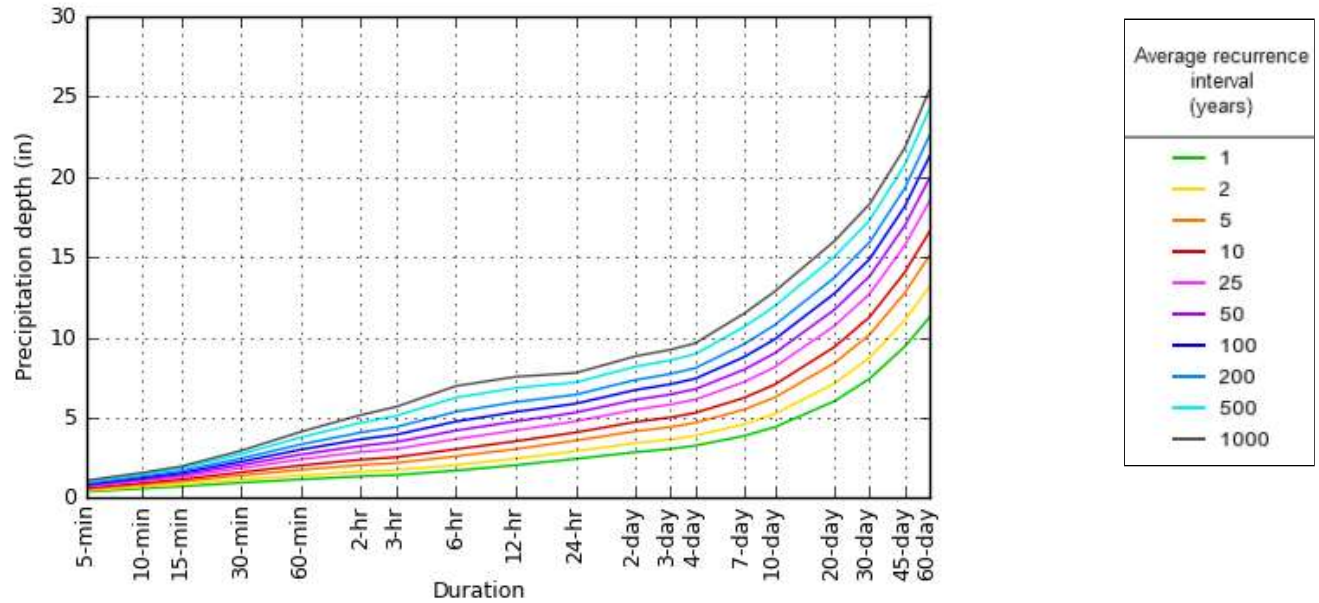
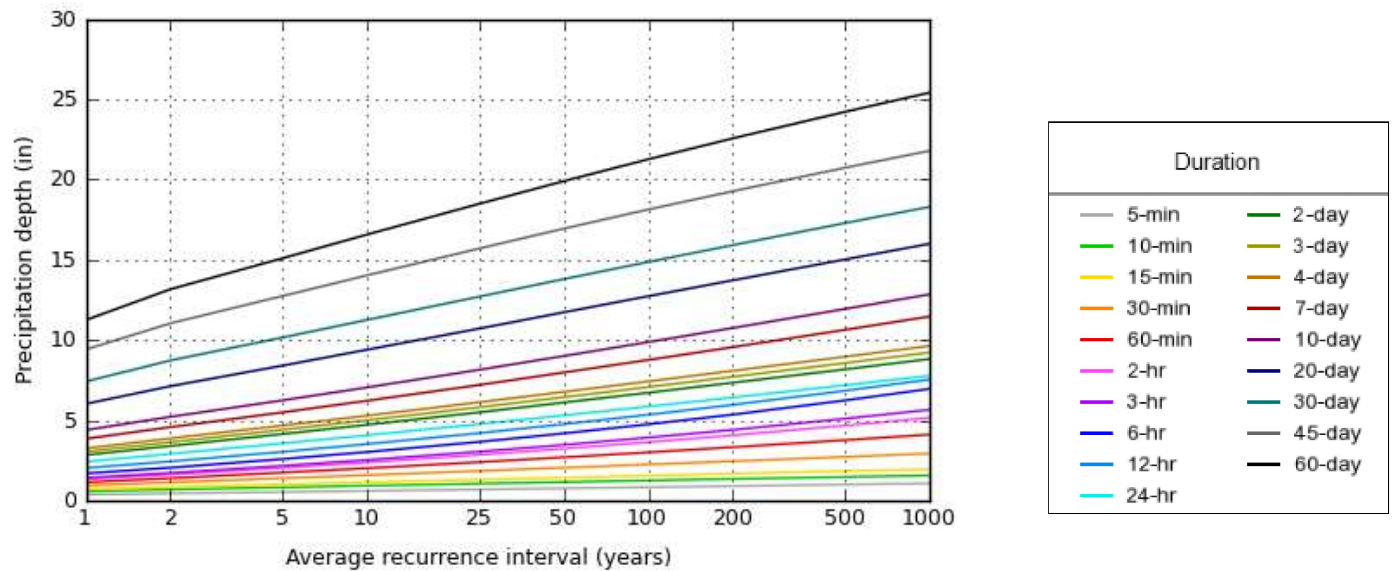
Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

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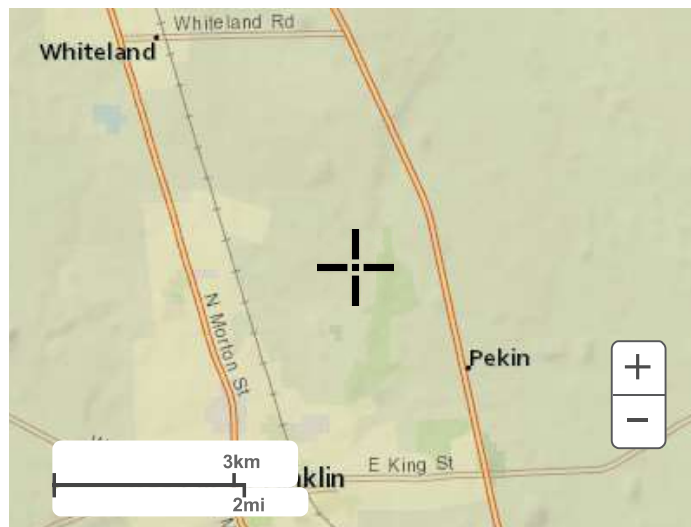
PF graphical

PDS-based depth-duration-frequency (DDF) curves
Latitude: 39.5148°, Longitude: -86.0398°



Maps & aerials

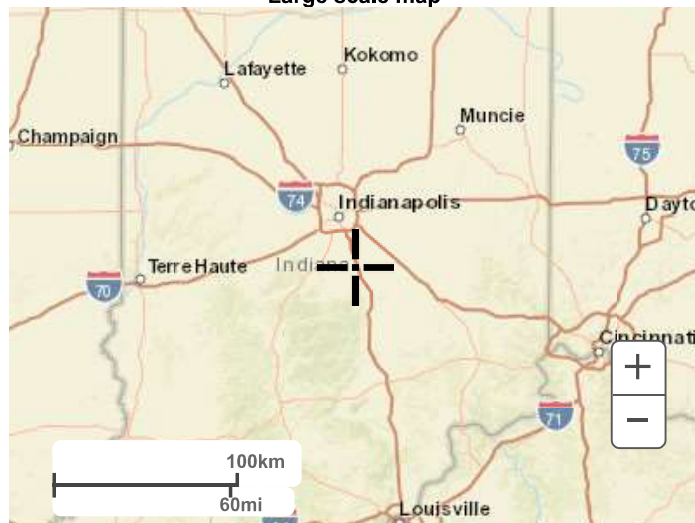
Small scale terrain



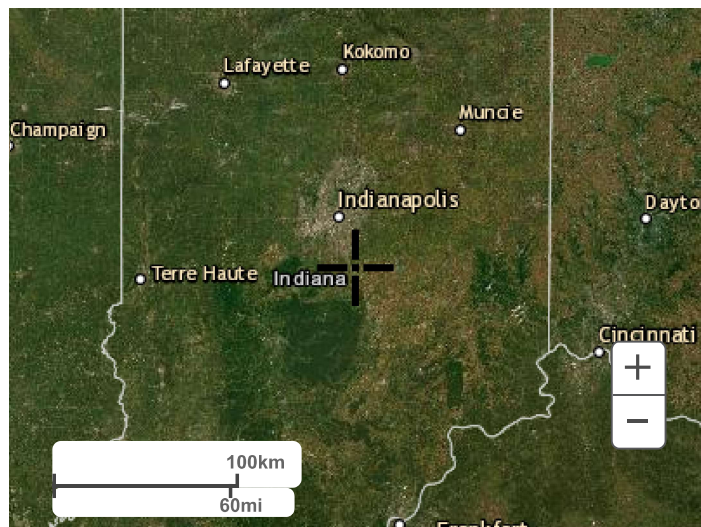
Large scale terrain



Large scale map



Large scale aerial



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Silver Spring, MD 20910
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APPENDIX A
EXISTING SITE CONDITIONS
CALCULATIONS

WINTERFIELD

Job #100405FOR

C Numbers**Pre-Developed ICPR**

A		CN = 75		
Soil Group	Cover Description (cover type, treatment, and hydrologic condition)	CN	Area (Ac.)	CN * Area
B	Row Crops (Good)	75	0.00	0
C	Row Crops (Good)	82	1.81	149
B	Woods (Good)	55	0.48	26
C	Woods (Good)	70	0.53	37
Total =			2.83	212

B		CN = 79		
Soil Group	Cover Description (cover type, treatment, and hydrologic condition)	CN	Area (Ac.)	CN * Area
B	Row Crops (Good)	75	0.01	1
C	Row Crops (Good)	82	2.58	212
B	Woods (Good)	55	0.12	6
C	Woods (Good)	70	0.40	28
Total =			3.11	247

C		CN = 80		
Soil Group	Cover Description (cover type, treatment, and hydrologic condition)	CN	Area (Ac.)	CN * Area
B	Row Crops (Good)	75	0.14	10
C	Row Crops (Good)	82	6.09	499
B	Woods (Good)	55	0.07	4
C	Woods (Good)	70	0.40	28
B	Open Space (Good)	61	0.03	2
C	Open Space (Good)	74	0.29	21
Total =			7.02	565

D		CN = 81		
Soil Group	Cover Description (cover type, treatment, and hydrologic condition)	CN	Area (Ac.)	CN * Area
B	Row Crops (Good)	75	0.01	0
C	Row Crops (Good)	82	2.25	184
B	Open Space (Good)	61	0.04	2
C	Open Space (Good)	74	0.38	28
D	Impervious	98	0.00	0
Total =			2.67	215

E		CN = 80		
Soil Group	Cover Description (cover type, treatment, and hydrologic condition)	CN	Area (Ac.)	CN * Area
B	Row Crops (Good)	75	3.86	290
C	Row Crops (Good)	82	5.43	445
B	Open Space (Good)	61	0.00	0
C	Open Space (Good)	74	0.01	0
D	Impervious	98	0.24	23
Total =			9.54	759

F		CN = 76		
Soil Group	Cover Description (cover type, treatment, and hydrologic condition)	CN	Area (Ac.)	CN * Area
B	Row Crops (Good)	75	2.09	156
C	Row Crops (Good)	82	2.14	175
B	Woods (Good)	55	0.43	23
C	Woods (Good)	70	0.15	11
Total =			4.80	366

G		CN = 80		
Soil Group	Cover Description (cover type, treatment, and hydrologic condition)	CN	Area (Ac.)	CN * Area
B	Row Crops (Good)	75	22.57	1692
C	Row Crops (Good)	82	38.88	3188
D	Impervious	98	0.43	42
Total =			61.87	4923

H		CN = 83		
Soil Group	Cover Description (cover type, treatment, and hydrologic condition)	CN	Area (Ac.)	CN * Area
B	Row Crops (Good)	75	0.11	8
C	Row Crops (Good)	82	4.07	334
D	Impervious	98	0.21	20
Total =			4.39	363

*Onsite Curve Number adjusted to the next less infiltrating capacity category per ordinance.

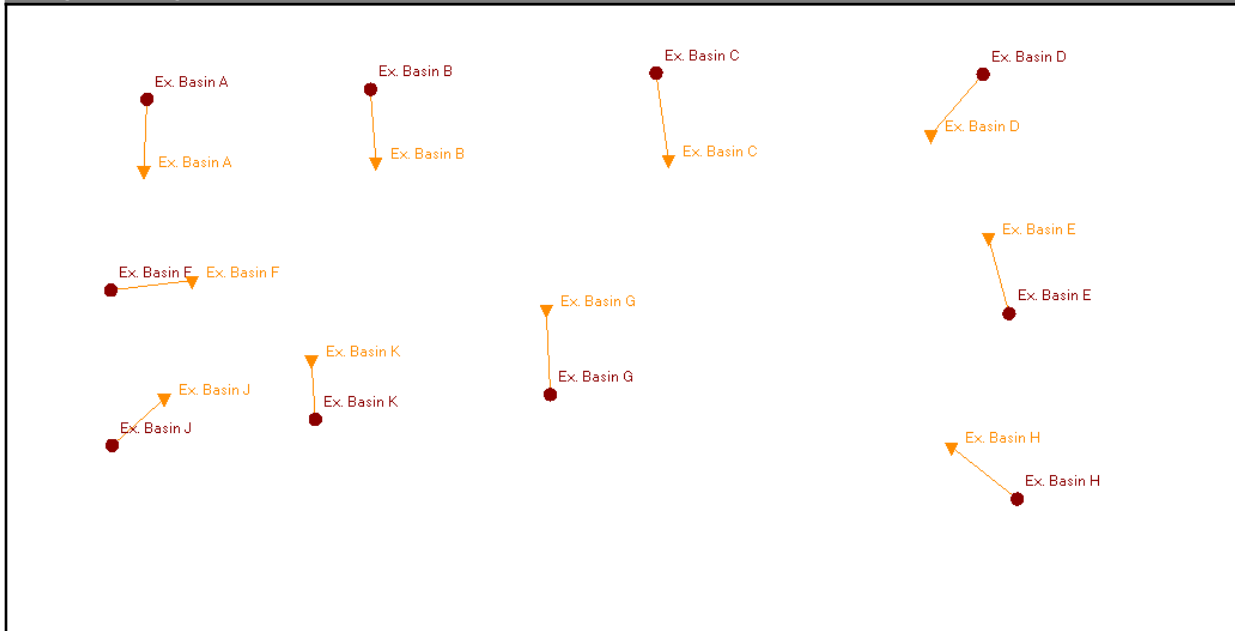
WINTERFIELD

Job #100405FOR

Time of Concentrations
Pre-Developed ICPR

Basin	Description	Sheet Flow					Shallow Concentrated Flow					Channel / Pipe Flow				Total ToC	
		n =	L = (ft)	P ₂ = (in)	s = (ft/ft)	T _t = .007(nL) ^{0.8} /(P ₂ ^{0.5} S ^{0.4}) (hrs)	Description Paved / Unpaved	s = (ft/ft)	V = (ft/s)	L = (ft)	T _t = L/V (hrs)	Description	V =	L =	T _t = L/V (hrs)	T _c (total) (hrs)	T _c (total) (min)
Ex. Basin A	Residue Cover > 20%	0.17	100	2.64	0.056	0.1316	Unpaved	0.013	1.85	313.5	0.0472	Channel	3.00	0	0.0000	0.1788	10.7
Ex. Basin B	Residue Cover > 20%	0.17	100	2.64	0.047	0.1412	Unpaved	0.019	2.22	379.3	0.0474	Channel	3.00	0	0.0000	0.1886	11.3
Ex. Basin C	Residue Cover > 20%	0.17	100	2.64	0.054	0.1336	Unpaved	0.012	1.79	630.9	0.0977	Channel	3.00	0	0.0000	0.2313	13.9
Ex. Basin D	Residue Cover > 20%	0.17	100	2.64	0.051	0.1367	Unpaved	0.022	2.41	364.2	0.0420	Channel	3.00	0	0.0000	0.1787	10.7
Ex. Basin E	Residue Cover > 20%	0.17	100	2.64	0.079	0.1147	Unpaved	0.012	1.77	523.4	0.0821	Channel	3.00	0	0.0000	0.1968	11.8
Ex. Basin F	Residue Cover > 20%	0.17	100	2.64	0.038	0.1537	Unpaved	0.004	1.06	394	0.1033	Channel	3.00	0	0.0000	0.2570	15.4
Ex. Basin G	Residue Cover > 20%	0.17	100	2.64	0.032	0.1647	Unpaved	0.004	1.03	323.4	0.8682	Channel	3.00	0	0.0000	1.0329	62.0
Ex. Basin H	Residue Cover > 20%	0.17	100	2.64	0.039	0.1521	Unpaved	0.004	0.97	166.6	0.0478	Channel	3.00	0	0.0000	0.1999	12.0
Ex. Basin J	Residue Cover > 20%	0.17	100	2.64	0.013	0.2361	Unpaved	0.007	1.38	1205	0.2428	Channel	3.00	0	0.0000	0.4789	28.7
Ex. Basin K	Residue Cover > 20%	0.17	100	2.64	0.03	0.1690	Unpaved	0.007	1.33	976.8	0.2045	Channel	3.00	0	0.0000	0.3735	22.4

Background Image: EXISTING



Simple Basin: Ex. Basin A

Scenario: Icpr3
Node: Ex. Basin A
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.7000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 2.8300 ac
Curve Number: 75.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: Ex. Basin B

Scenario: Icpr3
Node: Ex. Basin B
Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
Time of Concentration: 11.3000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 3.1100 ac
Curve Number: 79.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: Ex. Basin C

Scenario: Icpr3
Node: Ex. Basin C
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 13.9000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 7.0200 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: Ex. Basin D

Scenario: Icpr3
Node: Ex. Basin D
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.7000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 2.6700 ac

Curve Number: 81.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: Ex. Basin E

Scenario: Icpr3
Node: Ex. Basin E
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 11.8000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 9.5400 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: Ex. Basin F

Scenario: Icpr3
Node: Ex. Basin F
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: 4.8000 ac
Curve Number: 76.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: Ex. Basin G

Scenario: Icpr3
Node: Ex. Basin G
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 62.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 61.8700 ac
Curve Number: 80.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: Ex. Basin H

Scenario: Icpr3
Node: Ex. Basin H
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 12.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 4.3900 ac
Curve Number: 83.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: Ex. Basin J

Scenario: Icpr3
Node: Ex. Basin J
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 28.7000 min
Max Allowable Q: 0.00 cfs

Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 19.6400 ac
Curve Number: 79.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: Ex. Basin K

Scenario: Icpr3
Node: Ex. Basin K
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 22.4000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 14.7000 ac
Curve Number: 79.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Node: Ex. Basin A

Scenario: Icpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 757.00 ft
Warning Stage: 759.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	757.00
0	0	0	12.0000	758.00
0	0	0	30.0000	757.00

Comment:

Node: Ex. Basin B

Scenario: lcpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 760.00 ft
Warning Stage: 762.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	760.00
0	0	0	12.0000	761.00
0	0	0	30.0000	760.00

Comment:

Node: Ex. Basin C

Scenario: lcpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 756.00 ft
Warning Stage: 758.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	756.00
0	0	0	12.0000	757.00
0	0	0	30.0000	756.00

Comment:

Node: Ex. Basin D

Scenario: lcpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 753.00 ft
Warning Stage: 755.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	753.00
0	0	0	12.0000	754.00
0	0	0	30.0000	753.00

Comment:

Node: Ex. Basin E

Scenario: lcpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 755.00 ft
Warning Stage: 757.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	755.00
0	0	0	12.0000	756.00
0	0	0	30.0000	755.00

Comment:

Node: Ex. Basin F

Scenario: lcpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 762.00 ft
Warning Stage: 764.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	762.00
0	0	0	12.0000	763.00
0	0	0	30.0000	762.00

Comment:

Node: Ex. Basin G

Scenario: lcpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 750.00 ft
Warning Stage: 752.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	750.00
0	0	0	12.0000	751.00
0	0	0	30.0000	750.00

Comment:

Node: Ex. Basin H

Scenario: lcpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 755.00 ft
Warning Stage: 757.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	755.00
0	0	0	12.0000	756.00
0	0	0	30.0000	755.00

Comment:

Node: Ex. Basin J

Scenario: lcpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 754.00 ft
Warning Stage: 756.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	754.00
0	0	0	12.0000	755.00
0	0	0	30.0000	754.00

Comment:

Node: Ex. Basin K

Scenario: lcpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 753.00 ft
Warning Stage: 755.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	753.00
0	0	0	12.0000	754.00
0	0	0	30.0000	753.00

Comment:

Simulation: 002yr01hr

Scenario: IcpR3
 Run Date/Time: 12/10/2021 10:56:12 AM
 Program Version: ICPR4 4.07.04

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	3.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	3.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3

Unit Hydrograph Folder:
ICPR3

Lookup Tables

Boundary Stage Set:
 Extern Hydrograph Set:
 Curve Number Set:

Green-Ampt Set:
 Vertical Layers Set:
 Impervious Set:

Tolerances & Options

Time Marching: SAOR
 Max Iterations: 6
 Over-Relax Weight: 0.5 dec
 Fact:
 dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain: Global

Max dZ: 1.0000 ft
 Link Optimizer Tol: 0.0001 ft
 Edge Length Option: Automatic

Opt:

Rainfall Name: Scsii-24
 Rainfall Amount: 1.39 in
 Storm Duration: 1.0000 hr

Dflt Damping (1D): 0.0050 ft
 Min Node Srf Area 113 ft2
 (1D):
 Energy Switch (1D): Energy

Comment:

Simulation: 002yr02hr

Scenario: Icpr3
 Run Date/Time: 12/10/2021 10:56:13 AM
 Program Version: ICPR4 4.07.04

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	6.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	6.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:	ICPR3	Boundary Stage Set:	
Unit Hydrograph Folder:	ICPR3	Extern Hydrograph Set:	
		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	

Tolerances & Options			
Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight	0.5 dec		
Fact:			
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Scsii-24
		Rainfall Amount:	1.62 in
Edge Length Option:	Automatic	Storm Duration:	2.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	113 ft2
		Energy Switch (1D):	Energy

Simulation: 002yr03hr

Scenario: Icpr3
Run Date/Time: 12/10/2021 10:56:15 AM
Program Version: ICPR4 4.07.04

General				
Run Mode:	Normal			
	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	9.0000
	Hydrology [sec]	Surface Hydraulics [sec]		
Min Calculation Time:	60.0000	0.1000		
Max Calculation Time:		60.0000		

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	9.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3

Unit Hydrograph ICPR3
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set:

Green-Ampt Set:

Vertical Layers Set:

Impervious Set:

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: Scsii-24

Rainfall Amount: 1.72 in

Storm Duration: 3.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 113 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: 002yr06hr

Scenario: IcpR3
 Run Date/Time: 12/10/2021 10:56:17 AM
 Program Version: ICPR4 4.07.04

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	18.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3

Unit Hydrograph ICPR3
 Folder:

Lookup Tables

Boundary Stage Set:
 Extern Hydrograph Set:
 Curve Number Set:

Green-Ampt Set:
 Vertical Layers Set:
 Impervious Set:

Tolerances & Options

Time Marching: SAOR
 Max Iterations: 6
 Over-Relax Weight 0.5 dec
 Fact:
 dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global

Max dZ: 1.0000 ft
 Link Optimizer Tol: 0.0001 ft
 Edge Length Option: Automatic

Opt:

Rainfall Name: Scsii-24
 Rainfall Amount: 2.06 in
 Storm Duration: 6.0000 hr

Dflt Damping (1D): 0.0050 ft
 Min Node Srf Area 113 ft2
 (1D):
 Energy Switch (1D): Energy

Comment:

Simulation: 002yr12hr

Scenario: Icpr3
 Run Date/Time: 12/10/2021 10:56:23 AM
 Program Version: ICPR4 4.07.04

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	36.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:	ICPR3	Boundary Stage Set:	
Unit Hydrograph Folder:	ICPR3	Extern Hydrograph Set:	
		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	

Tolerances & Options			
Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight	0.5 dec		
Fact:			
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Scsii-24
Edge Length Option:	Automatic	Rainfall Amount:	2.45 in
		Storm Duration:	12.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	113 ft2
		Energy Switch (1D):	Energy

Simulation: 002yr24hr

Scenario: Icpr3
Run Date/Time: 12/10/2021 10:56:33 AM
Program Version: ICPR4 4.07.04

General				
Run Mode:	Normal			
	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000
	Hydrology [sec]	Surface Hydraulics [sec]		
Min Calculation Time:	60.0000	0.1000		
Max Calculation Time:		60.0000		

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	72.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3

Unit Hydrograph ICPR3
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set:

Green-Ampt Set:

Vertical Layers Set:

Impervious Set:

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: Scsii-24

Rainfall Amount: 2.90 in

Storm Duration: 24.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 113 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: 010yr01hr

Scenario: IcpR3
 Run Date/Time: 12/10/2021 10:56:43 AM
 Program Version: ICPR4 4.07.04

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	3.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	3.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3

Unit Hydrograph Folder:
ICPR3

Lookup Tables

Boundary Stage Set:
 Extern Hydrograph Set:
 Curve Number Set:

Green-Ampt Set:
 Vertical Layers Set:
 Impervious Set:

Tolerances & Options

Time Marching: SAOR
 Max Iterations: 6
 Over-Relax Weight: 0.5 dec
 Fact:
 dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain: Global

Max dZ: 1.0000 ft
 Link Optimizer Tol: 0.0001 ft
 Edge Length Option: Automatic

Opt:

Rainfall Name: Scsii-24
 Rainfall Amount: 2.02 in
 Storm Duration: 1.0000 hr

Dflt Damping (1D): 0.0050 ft
 Min Node Srf Area 113 ft2
 (1D):
 Energy Switch (1D): Energy

Comment:

Simulation: 010yr02hr

Scenario: Icpr3
 Run Date/Time: 12/10/2021 10:56:44 AM
 Program Version: ICPR4 4.07.04

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	6.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	6.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:	ICPR3	Boundary Stage Set:	
Unit Hydrograph Folder:	ICPR3	Extern Hydrograph Set:	
		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	

Tolerances & Options			
Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight	0.5 dec		
Fact:			
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Scsii-24
Edge Length Option:	Automatic	Rainfall Amount:	2.38 in
		Storm Duration:	2.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	113 ft2
		Energy Switch (1D):	Energy

Simulation: 010yr03hr

Scenario: Icpr3
Run Date/Time: 12/10/2021 10:56:45 AM
Program Version: ICPR4 4.07.04

General				
Run Mode:	Normal			
	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	9.0000
	Hydrology [sec]	Surface Hydraulics [sec]		
Min Calculation Time:	60.0000	0.1000		
Max Calculation Time:		60.0000		

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	9.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3

Unit Hydrograph ICPR3
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set:

Green-Ampt Set:

Vertical Layers Set:

Impervious Set:

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: Scsii-24

Rainfall Amount: 2.53 in

Storm Duration: 3.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 113 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: 010yr06hr

Scenario: IcpR3
 Run Date/Time: 12/10/2021 10:56:47 AM
 Program Version: ICPR4 4.07.04

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	18.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3

Unit Hydrograph Folder:
 ICPR3

Lookup Tables

Boundary Stage Set:
 Extern Hydrograph Set:
 Curve Number Set:

Green-Ampt Set:
 Vertical Layers Set:
 Impervious Set:

Tolerances & Options

Time Marching: SAOR
 Max Iterations: 6
 Over-Relax Weight: 0.5 dec
 Fact:
 dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain: Global

Max dZ: 1.0000 ft
 Link Optimizer Tol: 0.0001 ft
 Edge Length Option: Automatic

Opt:

Rainfall Name: Scsii-24
 Rainfall Amount: 3.04 in
 Storm Duration: 6.0000 hr

Dflt Damping (1D): 0.0050 ft
 Min Node Srf Area 113 ft2
 (1D):
 Energy Switch (1D): Energy

Comment:

Simulation: 010yr12hr

Scenario: Icpr3
 Run Date/Time: 12/10/2021 10:56:52 AM
 Program Version: ICPR4 4.07.04

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	36.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:	ICPR3	Boundary Stage Set:	
Unit Hydrograph Folder:	ICPR3	Extern Hydrograph Set:	
		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	

Tolerances & Options			
Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight	0.5 dec		
Fact:			
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Scsii-24
Edge Length Option:	Automatic	Rainfall Amount:	3.54 in
		Storm Duration:	12.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	113 ft2
		Energy Switch (1D):	Energy

Simulation: 010yr24hr

Scenario: Icpr3
Run Date/Time: 12/10/2021 10:57:03 AM
Program Version: ICPR4 4.07.04

General				
Run Mode:	Normal			
	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000
	Hydrology [sec]	Surface Hydraulics [sec]		
Min Calculation Time:	60.0000	0.1000		
Max Calculation Time:		60.0000		

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	72.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3

Unit Hydrograph ICPR3
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set:

Green-Ampt Set:

Vertical Layers Set:

Impervious Set:

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: Scsii-24

Rainfall Amount: 4.06 in

Storm Duration: 24.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 113 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: 100yr01hr

Scenario: IcpR3
 Run Date/Time: 12/10/2021 10:57:13 AM
 Program Version: ICPR4 4.07.04

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	3.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	3.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3

Unit Hydrograph Folder:
ICPR3

Lookup Tables

Boundary Stage Set:
 Extern Hydrograph Set:
 Curve Number Set:

Green-Ampt Set:
 Vertical Layers Set:
 Impervious Set:

Tolerances & Options

Time Marching: SAOR
 Max Iterations: 6
 Over-Relax Weight: 0.5 dec
 Fact:
 dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr

 Smp/Man Basin Rain: Global

Max dZ: 1.0000 ft
 Link Optimizer Tol: 0.0001 ft
 Edge Length Option: Automatic

Opt:

Rainfall Name: Scsii-24
 Rainfall Amount: 3.01 in
 Storm Duration: 1.0000 hr

Dflt Damping (1D): 0.0050 ft
 Min Node Srf Area 113 ft2
 (1D):
 Energy Switch (1D): Energy

Comment:

Simulation: 100yr02hr

Scenario: Icpr3
 Run Date/Time: 12/10/2021 10:57:14 AM
 Program Version: ICPR4 4.07.04

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	6.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	6.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:	ICPR3	Boundary Stage Set:	
Unit Hydrograph Folder:	ICPR3	Extern Hydrograph Set:	
		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	

Tolerances & Options			
Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight	0.5 dec		
Fact:			
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	Rainfall Name:	Scsii-24
Link Optimizer Tol:	0.0001 ft	Rainfall Amount:	3.65 in
		Storm Duration:	2.0000 hr
Edge Length Option:	Automatic		
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	113 ft2
		Energy Switch (1D):	Energy

Simulation: 100yr03hr

Scenario: Icpr3
Run Date/Time: 12/10/2021 10:57:15 AM
Program Version: ICPR4 4.07.04

General				
Run Mode:	Normal			
	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	9.0000
	Hydrology [sec]	Surface Hydraulics [sec]		
Min Calculation Time:	60.0000	0.1000		
Max Calculation Time:		60.0000		

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	9.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3

Unit Hydrograph ICPR3
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set:

Green-Ampt Set:

Vertical Layers Set:

Impervious Set:

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: Scsii-24

Rainfall Amount: 3.94 in

Storm Duration: 3.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 113 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: 100yr06hr

Scenario: IcpR3
 Run Date/Time: 12/10/2021 10:57:17 AM
 Program Version: ICPR4 4.07.04

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	18.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3

Unit Hydrograph Folder:
ICPR3

Lookup Tables

Boundary Stage Set:
 Extern Hydrograph Set:
 Curve Number Set:

Green-Ampt Set:
 Vertical Layers Set:
 Impervious Set:

Tolerances & Options

Time Marching: SAOR
 Max Iterations: 6
 Over-Relax Weight: 0.5 dec
 Fact:
 dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr

 Smp/Man Basin Rain: Global

Max dZ: 1.0000 ft
 Link Optimizer Tol: 0.0001 ft
 Edge Length Option: Automatic

Opt:

Rainfall Name: Scsii-24
 Rainfall Amount: 4.79 in
 Storm Duration: 6.0000 hr

Dflt Damping (1D): 0.0050 ft
 Min Node Srf Area 113 ft2
 (1D):
 Energy Switch (1D): Energy

Comment:

Simulation: 100yr12hr

Scenario: Icpr3
 Run Date/Time: 12/10/2021 10:57:23 AM
 Program Version: ICPR4 4.07.04

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	36.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:	ICPR3	Boundary Stage Set:	
Unit Hydrograph Folder:	ICPR3	Extern Hydrograph Set:	
		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	

Tolerances & Options			
Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight	0.5 dec		
Fact:			
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Scsii-24
Edge Length Option:	Automatic	Rainfall Amount:	5.38 in
		Storm Duration:	12.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	113 ft2
		Energy Switch (1D):	Energy

Simulation: 100yr24hr

Scenario: Icpr3
Run Date/Time: 12/10/2021 10:57:35 AM
Program Version: ICPR4 4.07.04

General				
Run Mode:	Normal			
	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000
	Hydrology [sec]	Surface Hydraulics [sec]		
Min Calculation Time:	60.0000	0.1000		
Max Calculation Time:		60.0000		

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	72.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3

Unit Hydrograph ICPR3
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set:

Green-Ampt Set:

Vertical Layers Set:

Impervious Set:

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: Scsii-48

Rainfall Amount: 5.83 in

Storm Duration: 24.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 113 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simple Basin Runoff Summary [Icpr3]

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. Basin A	002yr01hr	1.05	0.6500	1.39	0.13	2.8300	75.0	0.00	0.00
Ex. Basin A	002yr02hr	1.48	1.1333	1.62	0.21	2.8300	75.0	0.00	0.00
Ex. Basin A	002yr03hr	1.60	1.6333	1.72	0.25	2.8300	75.0	0.00	0.00
Ex. Basin A	002yr06hr	2.46	3.1000	2.06	0.41	2.8300	75.0	0.00	0.00
Ex. Basin A	002yr12hr	3.19	6.0667	2.45	0.62	2.8300	75.0	0.00	0.00
Ex. Basin A	002yr24hr	3.38	12.0500	2.90	0.90	2.8300	75.0	0.00	0.00
Ex. Basin A	010yr01hr	3.84	0.6333	2.02	0.39	2.8300	75.0	0.00	0.00
Ex. Basin A	010yr02hr	5.05	1.1167	2.38	0.58	2.8300	75.0	0.00	0.00
Ex. Basin A	010yr03hr	5.35	1.6167	2.53	0.67	2.8300	75.0	0.00	0.00
Ex. Basin A	010yr06hr	6.93	3.0833	3.04	0.99	2.8300	75.0	0.00	0.00
Ex. Basin A	010yr12hr	7.36	6.0667	3.54	1.33	2.8300	75.0	0.00	0.00
Ex. Basin A	010yr24hr	6.54	12.0333	4.06	1.72	2.8300	75.0	0.00	0.00
Ex. Basin A	100yr01hr	10.63	0.6167	3.01	0.97	2.8300	75.0	0.00	0.00
Ex. Basin A	100yr02hr	13.71	1.1167	3.65	1.41	2.8300	75.0	0.00	0.00
Ex. Basin A	100yr03hr	14.44	1.6000	3.94	1.63	2.8300	75.0	0.00	0.00
Ex. Basin A	100yr06hr	17.11	3.0833	4.79	2.29	2.8300	75.0	0.00	0.00
Ex. Basin A	100yr12hr	15.54	6.0667	5.38	2.77	2.8300	75.0	0.00	0.00
Ex. Basin A	100yr24hr	12.97	12.0500	5.83	3.14	2.8300	75.0	0.00	0.00
Ex. Basin B	002yr01hr	2.05	0.6500	1.39	0.21	3.1100	79.0	0.00	0.00
Ex. Basin B	002yr02hr	2.70	1.1333	1.62	0.32	3.1100	79.0	0.00	0.00
Ex. Basin B	002yr03hr	2.87	1.6333	1.72	0.37	3.1100	79.0	0.00	0.00
Ex. Basin B	002yr06hr	3.96	3.1000	2.06	0.56	3.1100	79.0	0.00	0.00
Ex. Basin B	002yr12hr	4.63	6.0833	2.45	0.81	3.1100	79.0	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. Basin B	002yr24hr	4.61	12.0500	2.90	1.12	3.1100	79.0	0.00	0.00
Ex. Basin B	010yr01hr	5.96	0.6333	2.02	0.53	3.1100	79.0	0.00	0.00
Ex. Basin B	010yr02hr	7.43	1.1167	2.38	0.76	3.1100	79.0	0.00	0.00
Ex. Basin B	010yr03hr	7.76	1.6167	2.53	0.86	3.1100	79.0	0.00	0.00
Ex. Basin B	010yr06hr	9.45	3.1000	3.04	1.22	3.1100	79.0	0.00	0.00
Ex. Basin B	010yr12hr	9.56	6.0667	3.54	1.60	3.1100	79.0	0.00	0.00
Ex. Basin B	010yr24hr	8.28	12.0500	4.06	2.01	3.1100	79.0	0.00	0.00
Ex. Basin B	100yr01hr	14.33	0.6333	3.01	1.20	3.1100	79.0	0.00	0.00
Ex. Basin B	100yr02hr	17.76	1.1167	3.65	1.69	3.1100	79.0	0.00	0.00
Ex. Basin B	100yr03hr	18.36	1.6167	3.94	1.92	3.1100	79.0	0.00	0.00
Ex. Basin B	100yr06hr	20.96	3.0833	4.79	2.62	3.1100	79.0	0.00	0.00
Ex. Basin B	100yr12hr	18.81	6.0667	5.38	3.14	3.1100	79.0	0.00	0.00
Ex. Basin B	100yr24hr	15.72	12.0500	5.83	3.53	3.1100	79.0	0.00	0.00
Ex. Basin C	002yr01hr	4.62	0.6833	1.39	0.23	7.0200	80.0	0.00	0.00
Ex. Basin C	002yr02hr	5.94	1.1667	1.62	0.35	7.0200	80.0	0.00	0.00
Ex. Basin C	002yr03hr	6.28	1.6667	1.72	0.40	7.0200	80.0	0.00	0.00
Ex. Basin C	002yr06hr	8.45	3.1333	2.06	0.60	7.0200	80.0	0.00	0.00
Ex. Basin C	002yr12hr	9.97	6.1000	2.45	0.86	7.0200	80.0	0.00	0.00
Ex. Basin C	002yr24hr	10.19	12.0667	2.90	1.18	7.0200	80.0	0.00	0.00
Ex. Basin C	010yr01hr	12.57	0.6667	2.02	0.58	7.0200	80.0	0.00	0.00
Ex. Basin C	010yr02hr	15.54	1.1500	2.38	0.81	7.0200	80.0	0.00	0.00
Ex. Basin C	010yr03hr	16.12	1.6500	2.53	0.91	7.0200	80.0	0.00	0.00
Ex. Basin C	010yr06hr	19.47	3.1333	3.04	1.28	7.0200	80.0	0.00	0.00
Ex. Basin C	010yr12hr	20.12	6.1000	3.54	1.67	7.0200	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
C									
Ex. Basin C	010yr24hr	18.16	12.0667	4.06	2.09	7.0200	80.0	0.00	0.00
Ex. Basin C	100yr01hr	29.18	0.6500	3.01	1.26	7.0200	80.0	0.00	0.00
Ex. Basin C	100yr02hr	35.95	1.1500	3.65	1.76	7.0200	80.0	0.00	0.00
Ex. Basin C	100yr03hr	37.09	1.6333	3.94	2.00	7.0200	80.0	0.00	0.00
Ex. Basin C	100yr06hr	42.54	3.1167	4.79	2.71	7.0200	80.0	0.00	0.00
Ex. Basin C	100yr12hr	38.99	6.0833	5.38	3.23	7.0200	80.0	0.00	0.00
Ex. Basin C	100yr24hr	33.82	12.0667	5.83	3.63	7.0200	80.0	0.00	0.00
Ex. Basin D	002yr01hr	2.39	0.6333	1.39	0.26	2.6700	81.0	0.00	0.00
Ex. Basin D	002yr02hr	3.06	1.1167	1.62	0.38	2.6700	81.0	0.00	0.00
Ex. Basin D	002yr03hr	3.24	1.6167	1.72	0.44	2.6700	81.0	0.00	0.00
Ex. Basin D	002yr06hr	4.22	3.1000	2.06	0.64	2.6700	81.0	0.00	0.00
Ex. Basin D	002yr12hr	4.73	6.0667	2.45	0.91	2.6700	81.0	0.00	0.00
Ex. Basin D	002yr24hr	4.46	12.0333	2.90	1.24	2.6700	81.0	0.00	0.00
Ex. Basin D	010yr01hr	6.33	0.6167	2.02	0.62	2.6700	81.0	0.00	0.00
Ex. Basin D	010yr02hr	7.78	1.1167	2.38	0.86	2.6700	81.0	0.00	0.00
Ex. Basin D	010yr03hr	7.98	1.6000	2.53	0.97	2.6700	81.0	0.00	0.00
Ex. Basin D	010yr06hr	9.44	3.0833	3.04	1.35	2.6700	81.0	0.00	0.00
Ex. Basin D	010yr12hr	9.24	6.0667	3.54	1.74	2.6700	81.0	0.00	0.00
Ex. Basin D	010yr24hr	7.78	12.0333	4.06	2.18	2.6700	81.0	0.00	0.00
Ex. Basin D	100yr01hr	14.49	0.6167	3.01	1.32	2.6700	81.0	0.00	0.00
Ex. Basin D	100yr02hr	17.39	1.1167	3.65	1.83	2.6700	81.0	0.00	0.00
Ex. Basin D	100yr03hr	17.98	1.6000	3.94	2.08	2.6700	81.0	0.00	0.00
Ex. Basin D	100yr06hr	20.06	3.0833	4.79	2.81	2.6700	81.0	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. Basin D	100yr12hr	17.51	6.0667	5.38	3.33	2.6700	81.0	0.00	0.00
Ex. Basin D	100yr24hr	14.47	12.0333	5.83	3.74	2.6700	81.0	0.00	0.00
Ex. Basin E	002yr01hr	7.01	0.6500	1.39	0.23	9.5400	80.0	0.00	0.00
Ex. Basin E	002yr02hr	9.06	1.1333	1.62	0.35	9.5400	80.0	0.00	0.00
Ex. Basin E	002yr03hr	9.63	1.6333	1.72	0.40	9.5400	80.0	0.00	0.00
Ex. Basin E	002yr06hr	12.90	3.1000	2.06	0.60	9.5400	80.0	0.00	0.00
Ex. Basin E	002yr12hr	14.92	6.0833	2.45	0.86	9.5400	80.0	0.00	0.00
Ex. Basin E	002yr24hr	14.71	12.0500	2.90	1.18	9.5400	80.0	0.00	0.00
Ex. Basin E	010yr01hr	19.28	0.6333	2.02	0.58	9.5400	80.0	0.00	0.00
Ex. Basin E	010yr02hr	23.90	1.1333	2.38	0.81	9.5400	80.0	0.00	0.00
Ex. Basin E	010yr03hr	24.72	1.6167	2.53	0.91	9.5400	80.0	0.00	0.00
Ex. Basin E	010yr06hr	29.85	3.1000	3.04	1.28	9.5400	80.0	0.00	0.00
Ex. Basin E	010yr12hr	29.88	6.0667	3.54	1.67	9.5400	80.0	0.00	0.00
Ex. Basin E	010yr24hr	26.07	12.0500	4.06	2.09	9.5400	80.0	0.00	0.00
Ex. Basin E	100yr01hr	45.25	0.6333	3.01	1.26	9.5400	80.0	0.00	0.00
Ex. Basin E	100yr02hr	55.09	1.1167	3.65	1.76	9.5400	80.0	0.00	0.00
Ex. Basin E	100yr03hr	57.17	1.6167	3.94	2.00	9.5400	80.0	0.00	0.00
Ex. Basin E	100yr06hr	64.77	3.1000	4.79	2.71	9.5400	80.0	0.00	0.00
Ex. Basin E	100yr12hr	58.00	6.0667	5.38	3.23	9.5400	80.0	0.00	0.00
Ex. Basin E	100yr24hr	48.87	12.0500	5.83	3.63	9.5400	80.0	0.00	0.00
Ex. Basin F	002yr01hr	1.69	0.7167	1.39	0.15	4.8000	76.0	0.00	0.00
Ex. Basin F	002yr02hr	2.29	1.2000	1.62	0.24	4.8000	76.0	0.00	0.00
Ex. Basin F	002yr03hr	2.46	1.7000	1.72	0.28	4.8000	76.0	0.00	0.00
Ex. Basin	002yr06hr	3.59	3.1667	2.06	0.45	4.8000	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
F									
Ex. Basin F	002yr12hr	4.69	6.1167	2.45	0.67	4.8000	76.0	0.00	0.00
Ex. Basin F	002yr24hr	5.29	12.0833	2.90	0.95	4.8000	76.0	0.00	0.00
Ex. Basin F	010yr01hr	5.56	0.7000	2.02	0.42	4.8000	76.0	0.00	0.00
Ex. Basin F	010yr02hr	7.16	1.1833	2.38	0.62	4.8000	76.0	0.00	0.00
Ex. Basin F	010yr03hr	7.52	1.6667	2.53	0.71	4.8000	76.0	0.00	0.00
Ex. Basin F	010yr06hr	9.71	3.1500	3.04	1.04	4.8000	76.0	0.00	0.00
Ex. Basin F	010yr12hr	10.63	6.1167	3.54	1.40	4.8000	76.0	0.00	0.00
Ex. Basin F	010yr24hr	10.18	12.0833	4.06	1.79	4.8000	76.0	0.00	0.00
Ex. Basin F	100yr01hr	14.56	0.6833	3.01	1.02	4.8000	76.0	0.00	0.00
Ex. Basin F	100yr02hr	18.57	1.1667	3.65	1.48	4.8000	76.0	0.00	0.00
Ex. Basin F	100yr03hr	19.59	1.6667	3.94	1.69	4.8000	76.0	0.00	0.00
Ex. Basin F	100yr06hr	23.31	3.1333	4.79	2.37	4.8000	76.0	0.00	0.00
Ex. Basin F	100yr12hr	22.23	6.1167	5.38	2.86	4.8000	76.0	0.00	0.00
Ex. Basin F	100yr24hr	19.73	12.0833	5.83	3.24	4.8000	76.0	0.00	0.00
Ex. Basin G	002yr01hr	14.48	1.3167	1.39	0.23	61.8700	80.0	0.00	0.00
Ex. Basin G	002yr02hr	18.03	1.8333	1.62	0.35	61.8700	80.0	0.00	0.00
Ex. Basin G	002yr03hr	18.68	2.3167	1.72	0.40	61.8700	80.0	0.00	0.00
Ex. Basin G	002yr06hr	24.39	3.7500	2.06	0.60	61.8700	80.0	0.00	0.00
Ex. Basin G	002yr12hr	30.53	6.7000	2.45	0.86	61.8700	80.0	0.00	0.00
Ex. Basin G	002yr24hr	36.37	12.6000	2.90	1.18	61.8700	80.0	0.00	0.00
Ex. Basin G	010yr01hr	35.91	1.2833	2.02	0.57	61.8700	80.0	0.00	0.00
Ex. Basin G	010yr02hr	43.53	1.7833	2.38	0.81	61.8700	80.0	0.00	0.00
Ex. Basin G	010yr03hr	44.94	2.2667	2.53	0.91	61.8700	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
Ex. Basin G	010yr06hr	55.70	3.7333	3.04	1.28	61.8700	80.0	0.00	0.00
Ex. Basin G	010yr12hr	62.72	6.6833	3.54	1.67	61.8700	80.0	0.00	0.00
Ex. Basin G	010yr24hr	66.67	12.5833	4.06	2.10	61.8700	80.0	0.00	0.00
Ex. Basin G	100yr01hr	79.20	1.2500	3.01	1.25	61.8700	80.0	0.00	0.00
Ex. Basin G	100yr02hr	97.36	1.7500	3.65	1.76	61.8700	80.0	0.00	0.00
Ex. Basin G	100yr03hr	102.21	2.2333	3.94	2.00	61.8700	80.0	0.00	0.00
Ex. Basin G	100yr06hr	121.90	3.7167	4.79	2.72	61.8700	80.0	0.00	0.00
Ex. Basin G	100yr12hr	123.80	6.6500	5.38	3.23	61.8700	80.0	0.00	0.00
Ex. Basin G	100yr24hr	117.41	12.6167	5.83	3.64	61.8700	80.0	0.00	0.00
Ex. Basin H	002yr01hr	4.63	0.6500	1.39	0.32	4.3900	83.0	0.00	0.00
Ex. Basin H	002yr02hr	5.78	1.1333	1.62	0.45	4.3900	83.0	0.00	0.00
Ex. Basin H	002yr03hr	6.03	1.6333	1.72	0.51	4.3900	83.0	0.00	0.00
Ex. Basin H	002yr06hr	7.58	3.1000	2.06	0.74	4.3900	83.0	0.00	0.00
Ex. Basin H	002yr12hr	8.27	6.0833	2.45	1.02	4.3900	83.0	0.00	0.00
Ex. Basin H	002yr24hr	7.83	12.0500	2.90	1.37	4.3900	83.0	0.00	0.00
Ex. Basin H	010yr01hr	11.26	0.6333	2.02	0.71	4.3900	83.0	0.00	0.00
Ex. Basin H	010yr02hr	13.48	1.1333	2.38	0.97	4.3900	83.0	0.00	0.00
Ex. Basin H	010yr03hr	13.76	1.6167	2.53	1.08	4.3900	83.0	0.00	0.00
Ex. Basin H	010yr06hr	15.95	3.1000	3.04	1.48	4.3900	83.0	0.00	0.00
Ex. Basin H	010yr12hr	15.51	6.0667	3.54	1.90	4.3900	83.0	0.00	0.00
Ex. Basin H	010yr24hr	13.24	12.0500	4.06	2.34	4.3900	83.0	0.00	0.00
Ex. Basin H	100yr01hr	24.27	0.6333	3.01	1.46	4.3900	83.0	0.00	0.00
Ex. Basin H	100yr02hr	28.66	1.1167	3.65	1.99	4.3900	83.0	0.00	0.00
Ex. Basin H	100yr03hr	29.43	1.6167	3.94	2.24	4.3900	83.0	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
H									
Ex. Basin H	100yr06hr	32.49	3.1000	4.79	2.99	4.3900	83.0	0.00	0.00
Ex. Basin H	100yr12hr	28.67	6.0667	5.38	3.53	4.3900	83.0	0.00	0.00
Ex. Basin H	100yr24hr	24.07	12.0500	5.83	3.94	4.3900	83.0	0.00	0.00
Ex. Basin J	002yr01hr	7.08	0.9000	1.39	0.21	19.6400	79.0	0.00	0.00
Ex. Basin J	002yr02hr	8.86	1.3667	1.62	0.32	19.6400	79.0	0.00	0.00
Ex. Basin J	002yr03hr	9.36	1.8667	1.72	0.37	19.6400	79.0	0.00	0.00
Ex. Basin J	002yr06hr	12.61	3.3333	2.06	0.56	19.6400	79.0	0.00	0.00
Ex. Basin J	002yr12hr	15.89	6.2833	2.45	0.81	19.6400	79.0	0.00	0.00
Ex. Basin J	002yr24hr	18.47	12.2167	2.90	1.12	19.6400	79.0	0.00	0.00
Ex. Basin J	010yr01hr	18.94	0.8667	2.02	0.54	19.6400	79.0	0.00	0.00
Ex. Basin J	010yr02hr	23.22	1.3500	2.38	0.76	19.6400	79.0	0.00	0.00
Ex. Basin J	010yr03hr	24.23	1.8333	2.53	0.86	19.6400	79.0	0.00	0.00
Ex. Basin J	010yr06hr	30.13	3.3167	3.04	1.22	19.6400	79.0	0.00	0.00
Ex. Basin J	010yr12hr	33.45	6.2667	3.54	1.60	19.6400	79.0	0.00	0.00
Ex. Basin J	010yr24hr	34.10	12.2167	4.06	2.02	19.6400	79.0	0.00	0.00
Ex. Basin J	100yr01hr	43.96	0.8500	3.01	1.20	19.6400	79.0	0.00	0.00
Ex. Basin J	100yr02hr	54.51	1.3333	3.65	1.69	19.6400	79.0	0.00	0.00
Ex. Basin J	100yr03hr	57.23	1.8333	3.94	1.92	19.6400	79.0	0.00	0.00
Ex. Basin J	100yr06hr	67.46	3.3000	4.79	2.63	19.6400	79.0	0.00	0.00
Ex. Basin J	100yr12hr	66.93	6.2500	5.38	3.14	19.6400	79.0	0.00	0.00
Ex. Basin J	100yr24hr	62.08	12.2333	5.83	3.54	19.6400	79.0	0.00	0.00
Ex. Basin K	002yr01hr	6.21	0.8167	1.39	0.21	14.7000	79.0	0.00	0.00
Ex. Basin K	002yr02hr	7.91	1.2833	1.62	0.32	14.7000	79.0	0.00	0.00
Ex. Basin K	002yr03hr	8.36	1.7833	1.72	0.37	14.7000	79.0	0.00	0.00
Ex. Basin K	002yr06hr	11.33	3.2500	2.06	0.56	14.7000	79.0	0.00	0.00
Ex. Basin K	002yr12hr	14.18	6.2000	2.45	0.81	14.7000	79.0	0.00	0.00
Ex. Basin K	002yr24hr	16.04	12.1500	2.90	1.12	14.7000	79.0	0.00	0.00
Ex. Basin K	010yr01hr	16.99	0.7833	2.02	0.54	14.7000	79.0	0.00	0.00
Ex. Basin K	010yr02hr	21.02	1.2667	2.38	0.76	14.7000	79.0	0.00	0.00
Ex. Basin K	010yr03hr	21.87	1.7667	2.53	0.86	14.7000	79.0	0.00	0.00
Ex. Basin K	010yr06hr	27.17	3.2333	3.04	1.22	14.7000	79.0	0.00	0.00
Ex. Basin K	010yr12hr	29.71	6.1833	3.54	1.60	14.7000	79.0	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. Basin K	010yr24hr	29.46	12.1500	4.06	2.02	14.7000	79.0	0.00	0.00
Ex. Basin K	100yr01hr	39.89	0.7667	3.01	1.20	14.7000	79.0	0.00	0.00
Ex. Basin K	100yr02hr	49.49	1.2500	3.65	1.69	14.7000	79.0	0.00	0.00
Ex. Basin K	100yr03hr	51.88	1.7500	3.94	1.92	14.7000	79.0	0.00	0.00
Ex. Basin K	100yr06hr	60.73	3.2167	4.79	2.63	14.7000	79.0	0.00	0.00
Ex. Basin K	100yr12hr	59.34	6.1833	5.38	3.14	14.7000	79.0	0.00	0.00
Ex. Basin K	100yr24hr	54.23	12.1500	5.83	3.53	14.7000	79.0	0.00	0.00

Node Max Conditions w/ Times [lcp3]

Node Name	Sim 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]
Ex. Basin A	002yr01 hr	759.00	757.25	0.0014	1.05	0.00	0	3.0105	1.4605	0.6477	0.0000
Ex. Basin A	002yr02 hr	759.00	757.50	0.0014	1.47	0.00	0	6.0105	1.4605	1.1403	0.0000
Ex. Basin A	002yr03 hr	759.00	757.75	0.0014	1.60	0.00	0	9.0105	1.4605	1.6271	0.0000
Ex. Basin A	002yr06 hr	759.00	758.00	0.0014	2.44	0.00	0	11.9938	1.4605	3.1105	0.0000
Ex. Basin A	002yr12 hr	759.00	758.00	0.0014	3.18	0.00	0	11.9938	1.4605	6.0771	0.0000
Ex. Basin A	002yr24 hr	759.00	758.00	0.0014	3.37	0.00	0	11.9938	1.4605	12.0438	0.0000
Ex. Basin A	010yr01 hr	759.00	757.25	0.0014	3.84	0.00	0	3.0105	1.4605	0.6318	0.0000
Ex. Basin A	010yr02 hr	759.00	757.50	0.0014	5.03	0.00	0	6.0105	1.4605	1.1149	0.0000
Ex. Basin A	010yr03 hr	759.00	757.75	0.0014	5.32	0.00	0	9.0105	1.4605	1.6105	0.0000
Ex. Basin A	010yr06 hr	759.00	758.00	0.0014	6.93	0.00	0	11.9938	1.4605	3.0938	0.0000
Ex. Basin A	010yr12 hr	759.00	758.00	0.0014	7.29	0.00	0	11.9938	1.4605	6.0605	0.0000
Ex. Basin A	010yr24 hr	759.00	758.00	0.0014	6.53	0.00	0	11.9938	1.4605	12.0438	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 ²]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Basin A	hr										
Ex. Basin A	100yr01 hr	759.00	757.25	0.0014	10.62	0.00	0	3.0105	1.4605	0.6177	0.0000
Ex. Basin A	100yr02 hr	759.00	757.50	0.0014	13.69	0.00	0	6.0105	1.4605	1.1149	0.0000
Ex. Basin A	100yr03 hr	759.00	757.75	0.0014	14.35	0.00	0	9.0105	1.4605	1.6105	0.0000
Ex. Basin A	100yr06 hr	759.00	758.00	0.0014	16.93	0.00	0	11.9938	1.4605	3.0938	0.0000
Ex. Basin A	100yr12 hr	759.00	758.00	0.0014	15.47	0.00	0	11.9938	1.4605	6.0605	0.0000
Ex. Basin A	100yr24 hr	759.00	758.00	0.0014	12.97	0.00	0	11.9938	1.4605	12.0438	0.0000
Ex. Basin B	002yr01 hr	762.00	760.25	0.0014	2.05	0.00	0	3.0105	1.4605	0.6477	0.0000
Ex. Basin B	002yr02 hr	762.00	760.50	0.0014	2.69	0.00	0	6.0105	1.4605	1.1403	0.0000
Ex. Basin B	002yr03 hr	762.00	760.75	0.0014	2.87	0.00	0	9.0105	1.4605	1.6271	0.0000
Ex. Basin B	002yr06 hr	762.00	761.00	0.0014	3.93	0.00	0	11.9938	1.4605	3.1105	0.0000
Ex. Basin B	002yr12 hr	762.00	761.00	0.0014	4.63	0.00	0	11.9938	1.4605	6.0771	0.0000
Ex. Basin B	002yr24 hr	762.00	761.00	0.0014	4.59	0.00	0	11.9938	1.4605	12.0438	0.0000
Ex. Basin B	010yr01 hr	762.00	760.25	0.0014	5.94	0.00	0	3.0105	1.4605	0.6318	0.0000
Ex. Basin B	010yr02 hr	762.00	760.50	0.0014	7.42	0.00	0	6.0105	1.4605	1.1276	0.0000
Ex. Basin B	010yr03 hr	762.00	760.75	0.0014	7.70	0.00	0	9.0105	1.4605	1.6105	0.0000
Ex. Basin B	010yr06 hr	762.00	761.00	0.0014	9.42	0.00	0	11.9938	1.4605	3.0938	0.0000
Ex. Basin B	010yr12 hr	762.00	761.00	0.0014	9.49	0.00	0	11.9938	1.4605	6.0771	0.0000
Ex. Basin B	010yr24 hr	762.00	761.00	0.0014	8.28	0.00	0	11.9938	1.4605	12.0438	0.0000
Ex. Basin B	100yr01 hr	762.00	760.25	0.0014	14.33	0.00	0	3.0105	1.4605	0.6318	0.0000
Ex. Basin B	100yr02 hr	762.00	760.50	0.0014	17.72	0.00	0	6.0105	1.4605	1.1149	0.0000
Ex. Basin B	100yr03 hr	762.00	760.75	0.0014	18.34	0.00	0	9.0105	1.4605	1.6105	0.0000
Ex. Basin B	100yr06 hr	762.00	761.00	0.0014	20.91	0.00	0	11.9938	1.4605	3.0938	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 ²]	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. Basin B	100yr12 hr	762.00	761.00	0.0014	18.66	0.00	0	11.9938	1.4605	6.0605	0.0000
Ex. Basin B	100yr24 hr	762.00	761.00	0.0014	15.69	0.00	0	11.9938	1.4605	12.0438	0.0000
Ex. Basin C	002yr01 hr	758.00	756.25	0.0014	4.61	0.00	0	3.0105	1.4605	0.6794	0.0000
Ex. Basin C	002yr02 hr	758.00	756.50	0.0014	5.94	0.00	0	6.0105	1.4605	1.1689	0.0000
Ex. Basin C	002yr03 hr	758.00	756.75	0.0014	6.28	0.00	0	9.0105	1.4605	1.6605	0.0000
Ex. Basin C	002yr06 hr	758.00	757.00	0.0014	8.40	0.00	0	11.9938	1.4605	3.1271	0.0000
Ex. Basin C	002yr12 hr	758.00	757.00	0.0014	9.90	0.00	0	11.9938	1.4605	6.0938	0.0000
Ex. Basin C	002yr24 hr	758.00	757.00	0.0014	10.15	0.00	0	11.9938	1.4605	12.0605	0.0000
Ex. Basin C	010yr01 hr	758.00	756.25	0.0014	12.54	0.00	0	3.0105	1.4605	0.6635	0.0000
Ex. Basin C	010yr02 hr	758.00	756.50	0.0014	15.52	0.00	0	6.0105	1.4605	1.1546	0.0000
Ex. Basin C	010yr03 hr	758.00	756.75	0.0014	16.04	0.00	0	9.0105	1.4605	1.6438	0.0000
Ex. Basin C	010yr06 hr	758.00	757.00	0.0014	19.47	0.00	0	11.9938	1.4605	3.1271	0.0000
Ex. Basin C	010yr12 hr	758.00	757.00	0.0014	20.06	0.00	0	11.9938	1.4605	6.0938	0.0000
Ex. Basin C	010yr24 hr	758.00	757.00	0.0014	18.13	0.00	0	11.9938	1.4605	12.0605	0.0000
Ex. Basin C	100yr01 hr	758.00	756.25	0.0014	29.18	0.00	0	3.0105	1.4605	0.6556	0.0000
Ex. Basin C	100yr02 hr	758.00	756.50	0.0014	35.77	0.00	0	6.0105	1.4605	1.1546	0.0000
Ex. Basin C	100yr03 hr	758.00	756.75	0.0014	37.09	0.00	0	9.0105	1.4605	1.6438	0.0000
Ex. Basin C	100yr06 hr	758.00	757.00	0.0014	42.28	0.00	0	11.9938	1.4605	3.1271	0.0000
Ex. Basin C	100yr12 hr	758.00	757.00	0.0014	38.98	0.00	0	11.9938	1.4605	6.0938	0.0000
Ex. Basin C	100yr24 hr	758.00	757.00	0.0014	33.69	0.00	0	11.9938	1.4605	12.0605	0.0000
Ex. Basin D	002yr01 hr	755.00	753.25	0.0014	2.39	0.00	0	3.0105	1.4605	0.6318	0.0000
Ex. Basin D	002yr02 hr	755.00	753.50	0.0014	3.05	0.00	0	6.0105	1.4605	1.1149	0.0000
Ex. Basin D	002yr03 hr	755.00	753.75	0.0014	3.22	0.00	0	9.0105	1.4605	1.6105	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]
Basin D	hr										
Ex. Basin D	002yr06 hr	755.00	754.00	0.0014	4.22	0.00	0	11.9938	1.4605	3.0938	0.0000
Ex. Basin D	002yr12 hr	755.00	754.00	0.0014	4.68	0.00	0	11.9938	1.4605	6.0605	0.0000
Ex. Basin D	002yr24 hr	755.00	754.00	0.0014	4.46	0.00	0	11.9938	1.4605	12.0438	0.0000
Ex. Basin D	010yr01 hr	755.00	753.25	0.0014	6.33	0.00	0	3.0105	1.4605	0.6177	0.0000
Ex. Basin D	010yr02 hr	755.00	753.50	0.0014	7.76	0.00	0	6.0105	1.4605	1.1149	0.0000
Ex. Basin D	010yr03 hr	755.00	753.75	0.0014	7.94	0.00	0	9.0105	1.4605	1.6105	0.0000
Ex. Basin D	010yr06 hr	755.00	754.00	0.0014	9.36	0.00	0	11.9938	1.4605	3.0938	0.0000
Ex. Basin D	010yr12 hr	755.00	754.00	0.0014	9.19	0.00	0	11.9938	1.4605	6.0605	0.0000
Ex. Basin D	010yr24 hr	755.00	754.00	0.0014	7.75	0.00	0	11.9938	1.4605	12.0271	0.0000
Ex. Basin D	100yr01 hr	755.00	753.25	0.0014	14.47	0.00	0	3.0105	1.4605	0.6177	0.0000
Ex. Basin D	100yr02 hr	755.00	753.50	0.0014	17.38	0.00	0	6.0105	1.4605	1.1149	0.0000
Ex. Basin D	100yr03 hr	755.00	753.75	0.0014	17.77	0.00	0	9.0105	1.4605	1.5938	0.0000
Ex. Basin D	100yr06 hr	755.00	754.00	0.0014	19.88	0.00	0	11.9938	1.4605	3.0771	0.0000
Ex. Basin D	100yr12 hr	755.00	754.00	0.0014	17.47	0.00	0	11.9938	1.4605	6.0605	0.0000
Ex. Basin D	100yr24 hr	755.00	754.00	0.0014	14.42	0.00	0	11.9938	1.4605	12.0438	0.0000
Ex. Basin E	002yr01 hr	757.00	755.25	0.0014	6.99	0.00	0	3.0105	1.4605	0.6477	0.0000
Ex. Basin E	002yr02 hr	757.00	755.50	0.0014	9.04	0.00	0	6.0105	1.4605	1.1403	0.0000
Ex. Basin E	002yr03 hr	757.00	755.75	0.0014	9.58	0.00	0	9.0105	1.4605	1.6271	0.0000
Ex. Basin E	002yr06 hr	757.00	756.00	0.0014	12.87	0.00	0	11.9938	1.4605	3.1105	0.0000
Ex. Basin E	002yr12 hr	757.00	756.00	0.0014	14.87	0.00	0	11.9938	1.4605	6.0771	0.0000
Ex. Basin E	002yr24 hr	757.00	756.00	0.0014	14.65	0.00	0	11.9938	1.4605	12.0438	0.0000
Ex. Basin E	010yr01 hr	757.00	755.25	0.0014	19.24	0.00	0	3.0105	1.4605	0.6397	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 ²]	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. Basin E	010yr02 hr	757.00	755.50	0.0014	23.80	0.00	0	6.0105	1.4605	1.1276	0.0000
Ex. Basin E	010yr03 hr	757.00	755.75	0.0014	24.58	0.00	0	9.0105	1.4605	1.6271	0.0000
Ex. Basin E	010yr06 hr	757.00	756.00	0.0014	29.61	0.00	0	11.9938	1.4605	3.0938	0.0000
Ex. Basin E	010yr12 hr	757.00	756.00	0.0014	29.87	0.00	0	11.9938	1.4605	6.0771	0.0000
Ex. Basin E	010yr24 hr	757.00	756.00	0.0014	26.03	0.00	0	11.9938	1.4605	12.0438	0.0000
Ex. Basin E	100yr01 hr	757.00	755.25	0.0014	45.16	0.00	0	3.0105	1.4605	0.6318	0.0000
Ex. Basin E	100yr02 hr	757.00	755.50	0.0014	54.94	0.00	0	6.0105	1.4605	1.1276	0.0000
Ex. Basin E	100yr03 hr	757.00	755.75	0.0014	56.83	0.00	0	9.0105	1.4605	1.6105	0.0000
Ex. Basin E	100yr06 hr	757.00	756.00	0.0014	64.52	0.00	0	11.9938	1.4605	3.0938	0.0000
Ex. Basin E	100yr12 hr	757.00	756.00	0.0014	57.69	0.00	0	11.9938	1.4605	6.0771	0.0000
Ex. Basin E	100yr24 hr	757.00	756.00	0.0014	48.71	0.00	0	11.9938	1.4605	12.0438	0.0000
Ex. Basin F	002yr01 hr	764.00	762.25	0.0014	1.69	0.00	0	3.0105	1.4605	0.7200	0.0000
Ex. Basin F	002yr02 hr	764.00	762.50	0.0014	2.29	0.00	0	6.0105	1.4605	1.1974	0.0000
Ex. Basin F	002yr03 hr	764.00	762.75	0.0014	2.46	0.00	0	9.0105	1.4605	1.6938	0.0000
Ex. Basin F	002yr06 hr	764.00	763.00	0.0014	3.58	0.00	0	11.9938	1.4605	3.1605	0.0000
Ex. Basin F	002yr12 hr	764.00	763.00	0.0014	4.68	0.00	0	11.9938	1.4605	6.1271	0.0000
Ex. Basin F	002yr24 hr	764.00	763.00	0.0014	5.26	0.00	0	11.9938	1.4605	12.0771	0.0000
Ex. Basin F	010yr01 hr	764.00	762.25	0.0014	5.56	0.00	0	3.0105	1.4605	0.6952	0.0000
Ex. Basin F	010yr02 hr	764.00	762.50	0.0014	7.16	0.00	0	6.0105	1.4605	1.1832	0.0000
Ex. Basin F	010yr03 hr	764.00	762.75	0.0014	7.51	0.00	0	9.0105	1.4605	1.6771	0.0000
Ex. Basin F	010yr06 hr	764.00	763.00	0.0014	9.68	0.00	0	11.9938	1.4605	3.1438	0.0000
Ex. Basin F	010yr12 hr	764.00	763.00	0.0014	10.59	0.00	0	11.9938	1.4605	6.1105	0.0000
Ex. Basin F	010yr24 hr	764.00	763.00	0.0014	10.16	0.00	0	11.9938	1.4605	12.0771	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]
Basin F	hr										
Ex. Basin F	100yr01 hr	764.00	762.25	0.0014	14.52	0.00	0	3.0105	1.4605	0.6794	0.0000
Ex. Basin F	100yr02 hr	764.00	762.50	0.0014	18.56	0.00	0	6.0105	1.4605	1.1689	0.0000
Ex. Basin F	100yr03 hr	764.00	762.75	0.0014	19.53	0.00	0	9.0105	1.4605	1.6605	0.0000
Ex. Basin F	100yr06 hr	764.00	763.00	0.0014	23.27	0.00	0	11.9938	1.4605	3.1438	0.0000
Ex. Basin F	100yr12 hr	764.00	763.00	0.0014	22.22	0.00	0	11.9938	1.4605	6.1105	0.0000
Ex. Basin F	100yr24 hr	764.00	763.00	0.0014	19.67	0.00	0	11.9938	1.4605	12.0771	0.0000
Ex. Basin G	002yr01 hr	752.00	750.25	0.0014	14.48	0.00	0	3.0105	1.4605	1.3153	0.0000
Ex. Basin G	002yr02 hr	752.00	750.50	0.0014	18.02	0.00	0	6.0105	1.4605	1.8271	0.0000
Ex. Basin G	002yr03 hr	752.00	750.75	0.0014	18.68	0.00	0	9.0105	1.4605	2.3105	0.0000
Ex. Basin G	002yr06 hr	752.00	751.00	0.0014	24.39	0.00	0	11.9938	1.4605	3.7605	0.0000
Ex. Basin G	002yr12 hr	752.00	751.00	0.0014	30.53	0.00	0	11.9938	1.4605	6.7105	0.0000
Ex. Basin G	002yr24 hr	752.00	751.00	0.0014	36.36	0.00	0	11.9938	1.4605	12.6105	0.0000
Ex. Basin G	010yr01 hr	752.00	750.25	0.0014	35.91	0.00	0	3.0105	1.4605	1.2831	0.0000
Ex. Basin G	010yr02 hr	752.00	750.50	0.0014	43.52	0.00	0	6.0105	1.4605	1.7771	0.0000
Ex. Basin G	010yr03 hr	752.00	750.75	0.0014	44.94	0.00	0	9.0105	1.4605	2.2605	0.0000
Ex. Basin G	010yr06 hr	752.00	751.00	0.0014	55.69	0.00	0	11.9938	1.4605	3.7271	0.0000
Ex. Basin G	010yr12 hr	752.00	751.00	0.0014	62.72	0.00	0	11.9938	1.4605	6.6771	0.0000
Ex. Basin G	010yr24 hr	752.00	751.00	0.0014	66.64	0.00	0	11.9938	1.4605	12.5938	0.0000
Ex. Basin G	100yr01 hr	752.00	750.25	0.0014	79.19	0.00	0	3.0105	1.4605	1.2546	0.0000
Ex. Basin G	100yr02 hr	752.00	750.50	0.0014	97.30	0.00	0	6.0105	1.4605	1.7438	0.0000
Ex. Basin G	100yr03 hr	752.00	750.75	0.0014	102.18	0.00	0	9.0105	1.4605	2.2438	0.0000
Ex. Basin G	100yr06 hr	752.00	751.00	0.0014	121.89	0.00	0	11.9938	1.4605	3.7105	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]
Ex. Basin G	100yr12 hr	752.00	751.00	0.0014	123.79	0.00	0	11.9938	1.4605	6.6605	0.0000
Ex. Basin G	100yr24 hr	752.00	751.00	0.0014	117.37	0.00	0	11.9938	1.4605	12.6105	0.0000
Ex. Basin H	002yr01 hr	757.00	755.25	0.0014	4.62	0.00	0	3.0105	1.4605	0.6477	0.0000
Ex. Basin H	002yr02 hr	757.00	755.50	0.0014	5.74	0.00	0	6.0105	1.4605	1.1403	0.0000
Ex. Basin H	002yr03 hr	757.00	755.75	0.0014	6.01	0.00	0	9.0105	1.4605	1.6271	0.0000
Ex. Basin H	002yr06 hr	757.00	756.00	0.0014	7.55	0.00	0	11.9938	1.4605	3.1105	0.0000
Ex. Basin H	002yr12 hr	757.00	756.00	0.0014	8.24	0.00	0	11.9938	1.4605	6.0771	0.0000
Ex. Basin H	002yr24 hr	757.00	756.00	0.0014	7.80	0.00	0	11.9938	1.4605	12.0438	0.0000
Ex. Basin H	010yr01 hr	757.00	755.25	0.0014	11.22	0.00	0	3.0105	1.4605	0.6318	0.0000
Ex. Basin H	010yr02 hr	757.00	755.50	0.0014	13.43	0.00	0	6.0105	1.4605	1.1276	0.0000
Ex. Basin H	010yr03 hr	757.00	755.75	0.0014	13.67	0.00	0	9.0105	1.4605	1.6271	0.0000
Ex. Basin H	010yr06 hr	757.00	756.00	0.0014	15.82	0.00	0	11.9938	1.4605	3.0938	0.0000
Ex. Basin H	010yr12 hr	757.00	756.00	0.0014	15.50	0.00	0	11.9938	1.4605	6.0771	0.0000
Ex. Basin H	010yr24 hr	757.00	756.00	0.0014	13.22	0.00	0	11.9938	1.4605	12.0438	0.0000
Ex. Basin H	100yr01 hr	757.00	755.25	0.0014	24.22	0.00	0	3.0105	1.4605	0.6318	0.0000
Ex. Basin H	100yr02 hr	757.00	755.50	0.0014	28.61	0.00	0	6.0105	1.4605	1.1276	0.0000
Ex. Basin H	100yr03 hr	757.00	755.75	0.0014	29.22	0.00	0	9.0105	1.4605	1.6105	0.0000
Ex. Basin H	100yr06 hr	757.00	756.00	0.0014	32.34	0.00	0	11.9938	1.4605	3.0938	0.0000
Ex. Basin H	100yr12 hr	757.00	756.00	0.0014	28.55	0.00	0	11.9938	1.4605	6.0771	0.0000
Ex. Basin H	100yr24 hr	757.00	756.00	0.0014	24.01	0.00	0	11.9938	1.4605	12.0438	0.0000
Ex. Basin J	002yr01 hr	756.00	754.25	0.0014	7.08	0.00	0	3.0105	1.4605	0.9005	0.0000
Ex. Basin J	002yr02 hr	756.00	754.50	0.0014	8.86	0.00	0	6.0105	1.4605	1.3795	0.0000
Ex. Basin J	002yr03 hr	756.00	754.75	0.0014	9.36	0.00	0	9.0105	1.4605	1.8605	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 ²]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Basin J	hr										
Ex. Basin J	002yr06 hr	756.00	755.00	0.0014	12.60	0.00	0	11.9938	1.4605	3.3271	0.0000
Ex. Basin J	002yr12 hr	756.00	755.00	0.0014	15.88	0.00	0	11.9938	1.4605	6.2771	0.0000
Ex. Basin J	002yr24 hr	756.00	755.00	0.0014	18.44	0.00	0	11.9938	1.4605	12.2271	0.0000
Ex. Basin J	010yr01 hr	756.00	754.25	0.0014	18.93	0.00	0	3.0105	1.4605	0.8704	0.0000
Ex. Basin J	010yr02 hr	756.00	754.50	0.0014	23.21	0.00	0	6.0105	1.4605	1.3474	0.0000
Ex. Basin J	010yr03 hr	756.00	754.75	0.0014	24.20	0.00	0	9.0105	1.4605	1.8438	0.0000
Ex. Basin J	010yr06 hr	756.00	755.00	0.0014	30.11	0.00	0	11.9938	1.4605	3.3105	0.0000
Ex. Basin J	010yr12 hr	756.00	755.00	0.0014	33.41	0.00	0	11.9938	1.4605	6.2605	0.0000
Ex. Basin J	010yr24 hr	756.00	755.00	0.0014	34.09	0.00	0	11.9938	1.4605	12.2105	0.0000
Ex. Basin J	100yr01 hr	756.00	754.25	0.0014	43.95	0.00	0	3.0105	1.4605	0.8504	0.0000
Ex. Basin J	100yr02 hr	756.00	754.50	0.0014	54.46	0.00	0	6.0105	1.4605	1.3313	0.0000
Ex. Basin J	100yr03 hr	756.00	754.75	0.0014	57.20	0.00	0	9.0105	1.4605	1.8271	0.0000
Ex. Basin J	100yr06 hr	756.00	755.00	0.0014	67.37	0.00	0	11.9938	1.4605	3.2938	0.0000
Ex. Basin J	100yr12 hr	756.00	755.00	0.0014	66.88	0.00	0	11.9938	1.4605	6.2605	0.0000
Ex. Basin J	100yr24 hr	756.00	755.00	0.0014	62.07	0.00	0	11.9938	1.4605	12.2271	0.0000
Ex. Basin K	002yr01 hr	755.00	753.25	0.0014	6.21	0.00	0	3.0105	1.4605	0.8103	0.0000
Ex. Basin K	002yr02 hr	755.00	753.50	0.0014	7.91	0.00	0	6.0105	1.4605	1.2831	0.0000
Ex. Basin K	002yr03 hr	755.00	753.75	0.0014	8.36	0.00	0	9.0105	1.4605	1.7771	0.0000
Ex. Basin K	002yr06 hr	755.00	754.00	0.0014	11.31	0.00	0	11.9938	1.4605	3.2438	0.0000
Ex. Basin K	002yr12 hr	755.00	754.00	0.0014	14.15	0.00	0	11.9938	1.4605	6.1938	0.0000
Ex. Basin K	002yr24 hr	755.00	754.00	0.0014	16.01	0.00	0	11.9938	1.4605	12.1438	0.0000
Ex. Basin K	010yr01 hr	755.00	753.25	0.0014	16.98	0.00	0	3.0105	1.4605	0.7824	0.0000

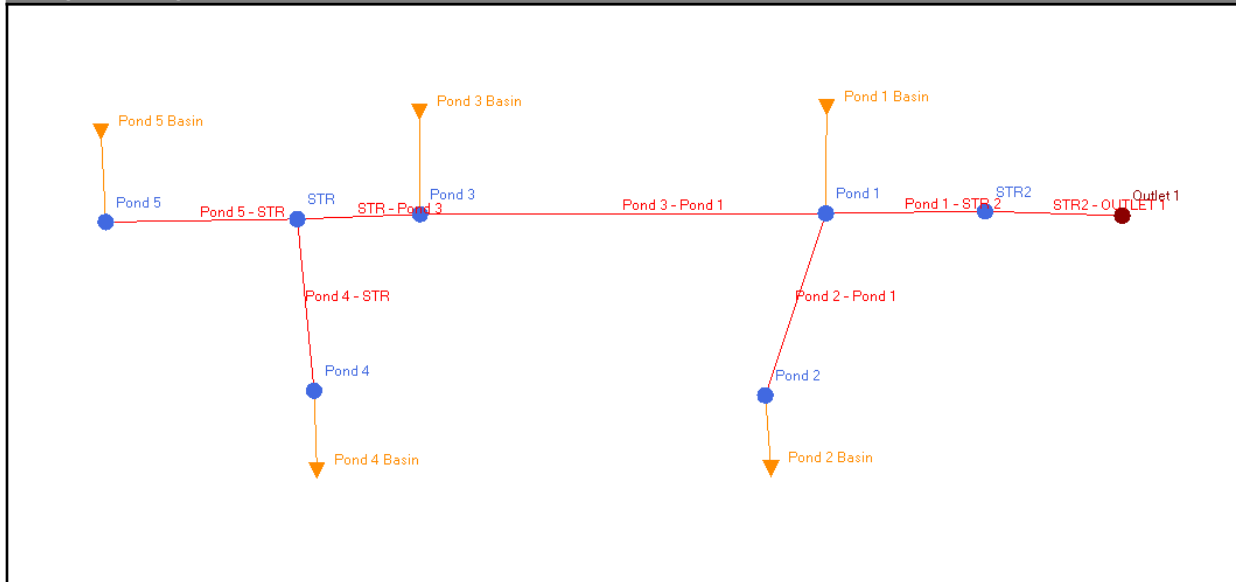
Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft ²]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Ex. Basin K	010yr02 hr	755.00	753.50	0.0014	21.01	0.00	0	6.0105	1.4605	1.2689	0.0000
Ex. Basin K	010yr03 hr	755.00	753.75	0.0014	21.87	0.00	0	9.0105	1.4605	1.7605	0.0000
Ex. Basin K	010yr06 hr	755.00	754.00	0.0014	27.12	0.00	0	11.9938	1.4605	3.2271	0.0000
Ex. Basin K	010yr12 hr	755.00	754.00	0.0014	29.69	0.00	0	11.9938	1.4605	6.1938	0.0000
Ex. Basin K	010yr24 hr	755.00	754.00	0.0014	29.46	0.00	0	11.9938	1.4605	12.1438	0.0000
Ex. Basin K	100yr01 hr	755.00	753.25	0.0014	39.84	0.00	0	3.0105	1.4605	0.7646	0.0000
Ex. Basin K	100yr02 hr	755.00	753.50	0.0014	49.47	0.00	0	6.0105	1.4605	1.2546	0.0000
Ex. Basin K	100yr03 hr	755.00	753.75	0.0014	51.79	0.00	0	9.0105	1.4605	1.7438	0.0000
Ex. Basin K	100yr06 hr	755.00	754.00	0.0014	60.66	0.00	0	11.9938	1.4605	3.2271	0.0000
Ex. Basin K	100yr12 hr	755.00	754.00	0.0014	59.21	0.00	0	11.9938	1.4605	6.1771	0.0000
Ex. Basin K	100yr24 hr	755.00	754.00	0.0014	54.09	0.00	0	11.9938	1.4605	12.1605	0.0000

APPENDIX B

PROPOSED SITE CONDITIONS

CALCULATIONS

Background Image: PROPOSED UPDATED



Simple Basin: Pond 1 Basin

Scenario: Proposed Scenario
Node: Pond 1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 15.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 18.8700 ac
Curve Number: 87.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: Pond 2 Basin

Scenario: Proposed Scenario
Node: Pond 2
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number

Time of Concentration: 15.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 24.8000 ac
Curve Number: 87.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: Pond 3 Basin

Scenario: Proposed Scenario
Node: Pond 3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 15.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 21.8900 ac
Curve Number: 87.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: Pond 4 Basin

Scenario: Proposed Scenario
Node: Pond 4
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 15.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 34.0900 ac
Curve Number: 87.0

% Impervious: 0.00
 % DCIA: 0.00
 % Direct: 0.00
 Rainfall Name:

Comment:

Simple Basin: Pond 5 Basin

Scenario: Proposed Scenario
 Node: Pond 5
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 15.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH484
 Peaking Factor: 484.0
 Area: 23.7600 ac
 Curve Number: 87.0
 % Impervious: 0.00
 % DCIA: 0.00
 % Direct: 0.00
 Rainfall Name:

Comment:

Pipe Link: Pond 1 - STR 1

	Upstream	Downstream
Scenario: Proposed Scenario	Invert: 745.00 ft	Invert: 742.45 ft
From Node: Pond 1	Manning's N: 0.0130	Manning's N: 0.0130
To Node: STR 1	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: 255.20 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: Pond 2 - Pond 1		Upstream	Downstream
Scenario:	Proposed Scenario	Invert: 746.90 ft	Invert: 745.00 ft
From Node:	Pond 2	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	Pond 1	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:	734.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: Pond 3 - Pond 1		Upstream	Downstream
Scenario:	Proposed Scenario	Invert: 747.72 ft	Invert: 745.00 ft
From Node:	Pond 3	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	Pond 1	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:	962.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: Pond 4 - STR		Upstream	Downstream
Scenario:	Proposed Scenario	Invert: 750.42 ft	Invert: 748.55 ft
From Node:	Pond 4	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	STR	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:	742.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	

PROPOSED CONDITIONS

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Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: Pond 5 - STR	Upstream	Downstream
Scenario: Proposed Scenario	Invert: 750.90 ft	Invert: 750.20 ft
From Node: Pond 5	Manning's N: 0.0130	Manning's N: 0.0130
To Node: STR	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: 69.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: STR - Pond 3	Upstream	Downstream
Scenario: Proposed Scenario	Invert: 748.55 ft	Invert: 747.72 ft
From Node: STR	Manning's N: 0.0130	Manning's N: 0.0130
To Node: Pond 3	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: 415.00 ft	Op Table:	Op Table:
FHWA Code: 0	Ref Node:	Ref Node:
Entr Loss Coef: 0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 0.00	Top Clip	
Bend Loss Coef: 0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: STR 1 - STR 2	Upstream	Downstream
Scenario: Proposed Scenario	Invert: 740.45 ft	Invert: 737.02 ft

From Node:	STR 1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	STR 2	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:	342.80 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: STR 2 - STR 3		Upstream	Downstream
Scenario:	Proposed Scenario	Invert: 735.02 ft	Invert: 733.50 ft
From Node:	STR 2	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	STR 3	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:	198.60 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	0.00	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: STR 3 - OUTLET 1		Upstream	Downstream
Scenario:	Proposed Scenario	Invert: 733.40 ft	Invert: 733.00 ft
From Node:	STR 3	Manning's N: 0.0130	Manning's N: 0.0130
To Node:	Outlet 1	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:	545.00 ft	Op Table:	Op Table:
FHWA Code:	0	Ref Node:	Ref Node:
Entr Loss Coef:	0.00	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	0.00	Top Clip	
Bend Loss Coef:	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:

Node: Outlet 1

Scenario: Proposed Scenario
 Type: Time/Stage
 Base Flow: 0.00 cfs
 Initial Stage: 733.00 ft
 Warning Stage: 736.00 ft
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	733.00
0	0	0	12.0000	734.00
0	0	0	30.0000	733.00

Comment:

Node: Pond 1

Scenario: Proposed Scenario
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 745.00 ft
 Warning Stage: 750.00 ft

Stage [ft]	Area [ac]	Area [ft2]
745.00	1.5710	68433
746.00	1.6772	73059
747.00	1.7856	77781
748.00	1.8964	82607
749.00	2.0094	87529
750.00	2.1248	92556
751.00	2.2425	97683

Comment:

Node: Pond 2

Scenario: Proposed Scenario
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 746.90 ft

Warning Stage: 751.00 ft

Stage [ft]	Area [ac]	Area [ft2]
746.90	1.1600	50530
747.00	1.2408	54049
748.00	1.3240	57673
749.00	1.4095	61398
750.00	1.4972	65218
751.00	1.5873	69143
752.00	1.6797	73168

Comment:

Node: Pond 3

Scenario: Proposed Scenario
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 747.72 ft
 Warning Stage: 752.00 ft

Stage [ft]	Area [ac]	Area [ft2]
747.72	2.5729	112076
748.00	2.7242	118666
749.00	2.8779	125361
750.00	3.0338	132152
751.00	3.1921	139048
752.00	3.3527	146044
753.00	3.5156	153140

Comment:

Node: Pond 4

Scenario: Proposed Scenario
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 750.42 ft
 Warning Stage: 755.00 ft

Stage [ft]	Area [ac]	Area [ft2]
750.42	1.2702	55330
751.00	1.3594	59215
752.00	1.4509	63201
753.00	1.5447	67287
754.00	1.6408	71473
755.00	1.7392	75760

Stage [ft]	Area [ac]	Area [ft2]
756.00	1.8399	80146

Comment:

Node: Pond 5

Scenario: Proposed Scernario
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 750.90 ft
Warning Stage: 755.00 ft

Stage [ft]	Area [ac]	Area [ft2]
750.90	1.0123	44096
751.00	1.1202	48796
752.00	1.2303	53592
753.00	1.3427	58488
754.00	1.4574	63484
755.00	1.5745	68585
756.00	1.6938	73782

Comment:

Node: STR

Scenario: Proposed Scernario
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 748.22 ft
Warning Stage: 756.00 ft

Stage [ft]	Area [ac]	Area [ft2]
748.22	0.0064	279
756.00	0.0064	279

Comment:

Node: STR 1

Scenario: Proposed Scernario
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 739.78 ft
Warning Stage: 754.00 ft

Stage [ft]	Area [ac]	Area [ft2]
739.78	0.0064	279
754.00	0.0064	279

Comment:

Node: STR 2

Scenario: Proposed Scenario
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 736.54 ft
Warning Stage: 755.10 ft

Stage [ft]	Area [ac]	Area [ft2]
736.54	0.0064	279
755.10	0.0064	279

Comment:

Node: STR 3

Scenario: Proposed Scenario
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 733.40 ft
Warning Stage: 754.40 ft

Stage [ft]	Area [ac]	Area [ft2]
733.40	0.0064	279
754.40	0.0064	279

Comment: From Crossroads, a secondary subdivision is discharging into our outlet. The estimated flows are as follows:

10yr - 6.76
100yr - 25.18

Simulation: 002yr01hr

Scenario: Proposed Scenario
Run Date/Time: 2/1/2022 10:03:08 AM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	3.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	3.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3

Unit Hydrograph
Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight: 0.5 dec
Fact:
dZ Tolerance: 0.0010 ftMax dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain: Global
Opt:Rainfall Name: Scsii-24
Rainfall Amount: 1.39 in
Storm Duration: 1.0000 hr

Dflt Damping (1D): 0.0050 ft
 Min Node Srf Area 113 ft2
 (1D):
 Energy Switch (1D): Energy

Comment:

Simulation: 002yr02hr

Scenario: Proposed Scernario
 Run Date/Time: 2/1/2022 10:03:10 AM
 Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	6.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	6.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3

 Unit Hydrograph ICPR3
 Folder:

Lookup Tables

Boundary Stage Set:
 Extern Hydrograph Set:
 Curve Number Set:

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: Scsii-24
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 1.62 in
	Storm Duration: 2.0000 hr
Edge Length Option: Automatic	
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area 113 ft2
	(1D):
	Energy Switch (1D): Energy

Comment:

Simulation: 002yr03hr

Scenario: Proposed Scnario
Run Date/Time: 2/1/2022 10:03:12 AM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	9.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
------	-------	-----	-----------	----------------------

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	9.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3

Unit Hydrograph ICPR3
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight 0.5 dec
Fact:
dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

Edge Length Option: AutomaticIA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: Scsii-24
Rainfall Amount: 1.72 in
Storm Duration: 3.0000 hr

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 113 ft2
(1D):
Energy Switch (1D): Energy

Comment:

Simulation: 002yr06hr

Scenario: Proposed Scenario
Run Date/Time: 2/1/2022 10:03:15 AM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	18.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3

Unit Hydrograph
Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight: 0.5 dec
Fact:
dZ Tolerance: 0.0010 ftMax dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain: Global
Opt:Rainfall Name: Scsii-24
Rainfall Amount: 2.06 in

Edge Length Option: Automatic

Storm Duration: 6.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 113 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: 002yr12hr

Scenario: Proposed Scernario

Run Date/Time: 2/1/2022 10:03:22 AM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	36.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Unit Hydrograph ICPR3
Folder:

Curve Number Set:

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: Scsii-24
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 2.45 in
	Storm Duration: 12.0000 hr
Edge Length Option: Automatic	
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area 113 ft2
	(1D):
	Energy Switch (1D): Energy

Comment:

Simulation: 002yr24hr

Scenario: Proposed Scernario
Run Date/Time: 2/1/2022 10:03:37 AM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	72.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3

Unit Hydrograph ICPR3
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set:

Green-Ampt Set:

Vertical Layers Set:

Impervious Set:

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: Scsii-24

Rainfall Amount: 2.90 in

Storm Duration: 24.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 113 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: 010yr01hr

Scenario: Proposed Scernario

Run Date/Time: 2/1/2022 10:03:50 AM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	3.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	3.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3

Unit Hydrograph
Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight 0.5 dec
Fact:
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ftIA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:
Rainfall Name: Scsii-24

Edge Length Option: Automatic

Rainfall Amount: 2.02 in

Storm Duration: 1.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 113 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: 010yr02hr

Scenario: Proposed Scenario

Run Date/Time: 2/1/2022 10:03:51 AM

Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	6.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	6.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3

Lookup Tables

Boundary Stage Set:

Unit Hydrograph ICPR3
Folder:

Extern Hydrograph Set:
Curve Number Set:

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	Rainfall Name: Scsii-24
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 2.38 in
	Storm Duration: 2.0000 hr
Edge Length Option: Automatic	
	Dflt Damping (1D): 0.0050 ft
	Min Node Srf Area 113 ft2
	(1D):
	Energy Switch (1D): Energy

Comment:

Simulation: 010yr03hr

Scenario: Proposed Scernario
Run Date/Time: 2/1/2022 10:03:54 AM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	9.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	9.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3

Unit Hydrograph ICPR3
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set:

Green-Ampt Set:

Vertical Layers Set:

Impervious Set:

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: Scsii-24

Rainfall Amount: 2.53 in

Storm Duration: 3.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 113 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: 010yr06hr

Scenario: Proposed Scnario

Run Date/Time: 2/1/2022 10:03:57 AM
 Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	18.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3

Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
 Extern Hydrograph Set:
 Curve Number Set:

Green-Ampt Set:
 Vertical Layers Set:
 Impervious Set:

Tolerances & Options

Time Marching: SAOR
 Max Iterations: 6
 Over-Relax Weight: 0.5 dec
 Fact:
 dZ Tolerance: 0.0010 ft
 Max dZ: 1.0000 ft

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
 Opt:

Link Optimizer Tol: 0.0001 ft
 Edge Length Option: Automatic

Rainfall Name: Scsii-24
 Rainfall Amount: 3.04 in
 Storm Duration: 6.0000 hr
 Dflt Damping (1D): 0.0050 ft
 Min Node Srf Area (1D): 113 ft2
 Energy Switch (1D): Energy

Comment:

Simulation: 010yr12hr

Scenario: Proposed Scenario
 Run Date/Time: 2/1/2022 10:04:04 AM
 Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	36.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Lookup Tables

Rainfall Folder: ICPR3

Unit Hydrograph Folder:
ICPR3

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set:

Green-Ampt Set:

Vertical Layers Set:

Impervious Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight: 0.5 dec
Fact:
dZ Tolerance: 0.0010 ftMax dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain: Global
Opt:Rainfall Name: Scsii-24
Rainfall Amount: 3.54 in
Storm Duration: 12.0000 hrDflt Damping (1D): 0.0050 ft
Min Node Srf Area: 113 ft2
(1D):
Energy Switch (1D): Energy

Comment:

Simulation: 010yr24hr

Scenario: Proposed Scernario
Run Date/Time: 2/1/2022 10:04:19 AM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	72.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3

Unit Hydrograph ICPR3
Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight 0.5 dec
Fact:
dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:Rainfall Name: Scsii-24
Rainfall Amount: 4.06 in
Storm Duration: 24.0000 hrDflt Damping (1D): 0.0050 ft
Min Node Srf Area 113 ft2
(1D):
Energy Switch (1D): Energy

Comment:

Simulation: 100yr01hr

Scenario: Proposed Scenario
 Run Date/Time: 2/1/2022 10:04:32 AM
 Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	3.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	3.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3

Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
 Extern Hydrograph Set:
 Curve Number Set:

Green-Ampt Set:
 Vertical Layers Set:
 Impervious Set:

Tolerances & Options

Time Marching: SAOR
 Max Iterations: 6
 Over-Relax Weight: 0.5 dec
 Fact:
 dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
 Opt:

Max dZ: 1.0000 ft
 Link Optimizer Tol: 0.0001 ft
 Edge Length Option: Automatic

Rainfall Name: Scsii-24
 Rainfall Amount: 3.01 in
 Storm Duration: 1.0000 hr
 Dflt Damping (1D): 0.0050 ft
 Min Node Srf Area (1D): 113 ft2
 Energy Switch (1D): Energy

Comment:

Simulation: 100yr02hr

Scenario: Proposed Scenario
 Run Date/Time: 2/1/2022 10:04:34 AM
 Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	6.0000
	Hydrology [sec]	Surface Hydraulics [sec]		
Min Calculation Time:	60.0000	0.1000		
Max Calculation Time:		60.0000		

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	6.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:	ICPR3	Boundary Stage Set:	
Unit Hydrograph Folder:	ICPR3	Extern Hydrograph Set:	
		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	

Tolerances & Options			
Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Scsii-24
Edge Length Option:	Automatic	Rainfall Amount:	3.65 in
		Storm Duration:	2.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	113 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 100yr03hr

Scenario: Proposed Scernario
 Run Date/Time: 2/1/2022 10:04:37 AM
 Program Version: ICPR4 4.07.08

General				
Run Mode:	Normal			
	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	9.0000
	Hydrology [sec]	Surface Hydraulics [sec]		
Min Calculation Time:	60.0000	0.1000		
Max Calculation Time:		60.0000		

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	9.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3

Unit Hydrograph ICPR3
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set:

Green-Ampt Set:

Vertical Layers Set:

Impervious Set:

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: Scsii-24

Rainfall Amount: 3.94 in

Storm Duration: 3.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 113 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simulation: 100yr06hr

Scenario: Proposed Scernario
 Run Date/Time: 2/1/2022 10:04:40 AM
 Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	18.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3

Unit Hydrograph Folder:
 ICPR3

Lookup Tables

Boundary Stage Set:
 Extern Hydrograph Set:
 Curve Number Set:

Green-Ampt Set:
 Vertical Layers Set:
 Impervious Set:

Tolerances & Options

Time Marching: SAOR
 Max Iterations: 6
 Over-Relax Weight: 0.5 dec
 Fact:
 dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain: Global

Max dZ: 1.0000 ft
 Link Optimizer Tol: 0.0001 ft
 Edge Length Option: Automatic

Opt:

Rainfall Name: Scsii-24
 Rainfall Amount: 4.79 in
 Storm Duration: 6.0000 hr

Dflt Damping (1D): 0.0050 ft
 Min Node Srf Area 113 ft2
 (1D):
 Energy Switch (1D): Energy

Comment:

Simulation: 100yr12hr

Scenario: Proposed Scenario
 Run Date/Time: 2/1/2022 10:04:48 AM
 Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		60.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	36.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:	ICPR3	Boundary Stage Set:	
Unit Hydrograph Folder:	ICPR3	Extern Hydrograph Set:	
		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	

Tolerances & Options			
Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight	0.5 dec		
Fact:			
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Scsii-24
		Rainfall Amount:	5.38 in
Edge Length Option:	Automatic	Storm Duration:	12.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	113 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 100yr24hr

Scenario: Proposed Scernario
 Run Date/Time: 2/1/2022 10:05:04 AM
 Program Version: ICPR4 4.07.08

General				
Run Mode:	Normal			
	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	48.0000
	Hydrology [sec]	Surface Hydraulics [sec]		
Min Calculation Time:	60.0000	0.1000		
Max Calculation Time:		60.0000		

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	72.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	1.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3

Unit Hydrograph ICPR3
Folder:

Lookup Tables

Boundary Stage Set:

Extern Hydrograph Set:

Curve Number Set:

Green-Ampt Set:

Vertical Layers Set:

Impervious Set:

Tolerances & Options

Time Marching: SAOR

Max Iterations: 6

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Global
Opt:

Rainfall Name: Scsii-48

Rainfall Amount: 5.83 in

Storm Duration: 24.0000 hr

Dflt Damping (1D): 0.0050 ft

Min Node Srf Area 113 ft2

(1D):

Energy Switch (1D): Energy

Comment:

Simple Basin Runoff Summary [Proposed Scenario]

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
Pond 1 Basin	002yr01hr	26.23	0.6833	1.39	0.46	18.8700	87.0	0.00	0.00
Pond 2 Basin	002yr01hr	34.48	0.6833	1.39	0.46	24.8000	87.0	0.00	0.00
Pond 3 Basin	002yr01hr	30.43	0.6833	1.39	0.46	21.8900	87.0	0.00	0.00
Pond 4 Basin	002yr01hr	47.39	0.6833	1.39	0.46	34.0900	87.0	0.00	0.00
Pond 5 Basin	002yr01hr	33.03	0.6833	1.39	0.46	23.7600	87.0	0.00	0.00
Pond 1 Basin	002yr02hr	31.18	1.1667	1.62	0.62	18.8700	87.0	0.00	0.00
Pond 2 Basin	002yr02hr	40.97	1.1667	1.62	0.62	24.8000	87.0	0.00	0.00
Pond 3 Basin	002yr02hr	36.17	1.1667	1.62	0.62	21.8900	87.0	0.00	0.00
Pond 4 Basin	002yr02hr	56.32	1.1667	1.62	0.62	34.0900	87.0	0.00	0.00
Pond 5 Basin	002yr02hr	39.26	1.1667	1.62	0.62	23.7600	87.0	0.00	0.00
Pond 1 Basin	002yr03hr	31.86	1.6667	1.72	0.69	18.8700	87.0	0.00	0.00
Pond 2 Basin	002yr03hr	41.87	1.6667	1.72	0.69	24.8000	87.0	0.00	0.00
Pond 3 Basin	002yr03hr	36.95	1.6667	1.72	0.69	21.8900	87.0	0.00	0.00
Pond 4 Basin	002yr03hr	57.55	1.6667	1.72	0.69	34.0900	87.0	0.00	0.00
Pond 5 Basin	002yr03hr	40.11	1.6667	1.72	0.69	23.7600	87.0	0.00	0.00
Pond 1 Basin	002yr06hr	37.56	3.1333	2.06	0.95	18.8700	87.0	0.00	0.00
Pond 2 Basin	002yr06hr	49.36	3.1333	2.06	0.95	24.8000	87.0	0.00	0.00
Pond 3 Basin	002yr06hr	43.57	3.1333	2.06	0.95	21.8900	87.0	0.00	0.00
Pond 4 Basin	002yr06hr	67.85	3.1333	2.06	0.95	34.0900	87.0	0.00	0.00
Pond 5 Basin	002yr06hr	47.29	3.1333	2.06	0.95	23.7600	87.0	0.00	0.00
Pond 1 Basin	002yr12hr	39.65	6.1000	2.45	1.27	18.8700	87.0	0.00	0.00
Pond 2 Basin	002yr12hr	52.11	6.1000	2.45	1.27	24.8000	87.0	0.00	0.00
Pond 3 Basin	002yr12hr	46.00	6.1000	2.45	1.27	21.8900	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
Pond 4 Basin	002yr12hr	71.63	6.1000	2.45	1.27	34.0900	87.0	0.00	0.00
Pond 5 Basin	002yr12hr	49.93	6.1000	2.45	1.27	23.7600	87.0	0.00	0.00
Pond 1 Basin	002yr24hr	37.39	12.0667	2.90	1.66	18.8700	87.0	0.00	0.00
Pond 2 Basin	002yr24hr	49.14	12.0667	2.90	1.66	24.8000	87.0	0.00	0.00
Pond 3 Basin	002yr24hr	43.37	12.0667	2.90	1.66	21.8900	87.0	0.00	0.00
Pond 4 Basin	002yr24hr	67.55	12.0667	2.90	1.66	34.0900	87.0	0.00	0.00
Pond 5 Basin	002yr24hr	47.08	12.0667	2.90	1.66	23.7600	87.0	0.00	0.00
Pond 1 Basin	010yr01hr	55.16	0.6667	2.02	0.92	18.8700	87.0	0.00	0.00
Pond 2 Basin	010yr01hr	72.50	0.6667	2.02	0.92	24.8000	87.0	0.00	0.00
Pond 3 Basin	010yr01hr	63.99	0.6667	2.02	0.92	21.8900	87.0	0.00	0.00
Pond 4 Basin	010yr01hr	99.66	0.6667	2.02	0.92	34.0900	87.0	0.00	0.00
Pond 5 Basin	010yr01hr	69.46	0.6667	2.02	0.92	23.7600	87.0	0.00	0.00
Pond 1 Basin	010yr02hr	63.39	1.1667	2.38	1.21	18.8700	87.0	0.00	0.00
Pond 2 Basin	010yr02hr	83.30	1.1667	2.38	1.21	24.8000	87.0	0.00	0.00
Pond 3 Basin	010yr02hr	73.53	1.1667	2.38	1.21	21.8900	87.0	0.00	0.00
Pond 4 Basin	010yr02hr	114.51	1.1667	2.38	1.21	34.0900	87.0	0.00	0.00
Pond 5 Basin	010yr02hr	79.81	1.1667	2.38	1.21	23.7600	87.0	0.00	0.00
Pond 1 Basin	010yr03hr	63.73	1.6500	2.53	1.34	18.8700	87.0	0.00	0.00
Pond 2 Basin	010yr03hr	83.76	1.6500	2.53	1.34	24.8000	87.0	0.00	0.00
Pond 3 Basin	010yr03hr	73.93	1.6500	2.53	1.34	21.8900	87.0	0.00	0.00
Pond 4 Basin	010yr03hr	115.14	1.6500	2.53	1.34	34.0900	87.0	0.00	0.00
Pond 5 Basin	010yr03hr	80.25	1.6500	2.53	1.34	23.7600	87.0	0.00	0.00
Pond 1 Basin	010yr06hr	71.20	3.1333	3.04	1.78	18.8700	87.0	0.00	0.00
Pond 2 Basin	010yr06hr	93.57	3.1333	3.04	1.78	24.8000	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
Basin									
Pond 3 Basin	010yr06hr	82.59	3.1333	3.04	1.78	21.8900	87.0	0.00	0.00
Pond 4 Basin	010yr06hr	128.62	3.1333	3.04	1.78	34.0900	87.0	0.00	0.00
Pond 5 Basin	010yr06hr	89.65	3.1333	3.04	1.78	23.7600	87.0	0.00	0.00
Pond 1 Basin	010yr12hr	69.33	6.1000	3.54	2.22	18.8700	87.0	0.00	0.00
Pond 2 Basin	010yr12hr	91.11	6.1000	3.54	2.22	24.8000	87.0	0.00	0.00
Pond 3 Basin	010yr12hr	80.42	6.1000	3.54	2.22	21.8900	87.0	0.00	0.00
Pond 4 Basin	010yr12hr	125.24	6.1000	3.54	2.22	34.0900	87.0	0.00	0.00
Pond 5 Basin	010yr12hr	87.29	6.1000	3.54	2.22	23.7600	87.0	0.00	0.00
Pond 1 Basin	010yr24hr	60.01	12.0667	4.06	2.70	18.8700	87.0	0.00	0.00
Pond 2 Basin	010yr24hr	78.87	12.0667	4.06	2.70	24.8000	87.0	0.00	0.00
Pond 3 Basin	010yr24hr	69.61	12.0667	4.06	2.70	21.8900	87.0	0.00	0.00
Pond 4 Basin	010yr24hr	108.41	12.0667	4.06	2.70	34.0900	87.0	0.00	0.00
Pond 5 Basin	010yr24hr	75.56	12.0667	4.06	2.70	23.7600	87.0	0.00	0.00
Pond 1 Basin	100yr01hr	107.31	0.6667	3.01	1.75	18.8700	87.0	0.00	0.00
Pond 2 Basin	100yr01hr	141.03	0.6667	3.01	1.75	24.8000	87.0	0.00	0.00
Pond 3 Basin	100yr01hr	124.48	0.6667	3.01	1.75	21.8900	87.0	0.00	0.00
Pond 4 Basin	100yr01hr	193.86	0.6667	3.01	1.75	34.0900	87.0	0.00	0.00
Pond 5 Basin	100yr01hr	135.12	0.6667	3.01	1.75	23.7600	87.0	0.00	0.00
Pond 1 Basin	100yr02hr	122.69	1.1667	3.65	2.32	18.8700	87.0	0.00	0.00
Pond 2 Basin	100yr02hr	161.25	1.1667	3.65	2.32	24.8000	87.0	0.00	0.00
Pond 3 Basin	100yr02hr	142.32	1.1667	3.65	2.32	21.8900	87.0	0.00	0.00
Pond 4 Basin	100yr02hr	221.65	1.1667	3.65	2.32	34.0900	87.0	0.00	0.00
Pond 5 Basin	100yr02hr	154.48	1.1667	3.65	2.32	23.7600	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
Pond 1 Basin	100yr03hr	124.43	1.6500	3.94	2.59	18.8700	87.0	0.00	0.00
Pond 2 Basin	100yr03hr	163.54	1.6500	3.94	2.59	24.8000	87.0	0.00	0.00
Pond 3 Basin	100yr03hr	144.35	1.6500	3.94	2.59	21.8900	87.0	0.00	0.00
Pond 4 Basin	100yr03hr	224.80	1.6500	3.94	2.59	34.0900	87.0	0.00	0.00
Pond 5 Basin	100yr03hr	156.68	1.6500	3.94	2.59	23.7600	87.0	0.00	0.00
Pond 1 Basin	100yr06hr	134.59	3.1333	4.79	3.38	18.8700	87.0	0.00	0.00
Pond 2 Basin	100yr06hr	176.89	3.1333	4.79	3.38	24.8000	87.0	0.00	0.00
Pond 3 Basin	100yr06hr	156.13	3.1333	4.79	3.38	21.8900	87.0	0.00	0.00
Pond 4 Basin	100yr06hr	243.15	3.1333	4.79	3.38	34.0900	87.0	0.00	0.00
Pond 5 Basin	100yr06hr	169.47	3.1333	4.79	3.38	23.7600	87.0	0.00	0.00
Pond 1 Basin	100yr12hr	120.86	6.1000	5.38	3.93	18.8700	87.0	0.00	0.00
Pond 2 Basin	100yr12hr	158.84	6.1000	5.38	3.93	24.8000	87.0	0.00	0.00
Pond 3 Basin	100yr12hr	140.20	6.1000	5.38	3.93	21.8900	87.0	0.00	0.00
Pond 4 Basin	100yr12hr	218.34	6.1000	5.38	3.93	34.0900	87.0	0.00	0.00
Pond 5 Basin	100yr12hr	152.17	6.1000	5.38	3.93	23.7600	87.0	0.00	0.00
Pond 1 Basin	100yr24hr	103.81	12.0667	5.83	4.36	18.8700	87.0	0.00	0.00
Pond 2 Basin	100yr24hr	136.43	12.0667	5.83	4.36	24.8000	87.0	0.00	0.00
Pond 3 Basin	100yr24hr	120.42	12.0667	5.83	4.36	21.8900	87.0	0.00	0.00
Pond 4 Basin	100yr24hr	187.53	12.0667	5.83	4.36	34.0900	87.0	0.00	0.00
Pond 5 Basin	100yr24hr	130.71	12.0667	5.83	4.36	23.7600	87.0	0.00	0.00

Link Min/Max Conditions with Times [Proposed Scenario]

Link Name	Sim Name	Max Flow	Min Flow	Min/Max Delta	Max Us Velocity	Max Ds Velocity	Time to Max	Time to Min	Time to Min/Max	Time to Max Us	Time to Max Ds
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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 1 - STR 1	002yr01 hr	3.61	0.00	0.00	3.65	5.03	3.0030	0.0000	1.4045	3.0030	3.0030
Pond 1 - STR 1	002yr02 hr	6.66	0.00	-0.01	4.32	6.03	3.8826	0.0000	5.9683	4.0088	4.0088
Pond 1 - STR 1	002yr03 hr	8.13	0.00	-0.02	4.57	6.39	4.3406	0.0000	7.1576	4.3854	4.3854
Pond 1 - STR 1	002yr06 hr	13.36	0.00	-0.02	5.28	7.37	6.1199	0.0000	8.4055	6.1822	6.1822
Pond 1 - STR 1	002yr12 hr	16.63	0.00	-0.02	5.64	7.84	8.8206	0.0000	12.1759	8.9166	8.9478
Pond 1 - STR 1	002yr24 hr	20.76	0.00	-0.03	6.06	8.33	14.2870	0.0000	16.8761	14.3305	14.3305
Pond 1 - STR 1	010yr01 hr	13.48	0.00	0.01	5.29	7.39	2.5947	0.0000	1.1521	2.6383	2.6383
Pond 1 - STR 1	010yr02 hr	21.09	0.00	0.03	6.09	8.37	2.8439	0.0000	1.9848	2.8831	2.8831
Pond 1 - STR 1	010yr03 hr	24.43	0.00	0.03	6.40	8.70	3.3981	0.0000	2.9086	3.4077	3.4077
Pond 1 - STR 1	010yr06 hr	31.33	0.00	0.03	7.00	9.29	5.0914	0.0000	4.0328	5.1291	5.1399
Pond 1 - STR 1	010yr12 hr	35.04	0.00	0.03	7.32	9.55	7.8119	0.0000	6.9023	7.8617	7.8617
Pond 1 - STR 1	010yr24 hr	38.91	0.00	0.03	7.64	9.80	13.4948	0.0000	12.7417	13.5552	13.5977
Pond 1 - STR 1	100yr01 hr	33.92	0.00	0.03	7.22	9.47	1.8458	0.0000	1.0921	1.8712	1.8808
Pond 1 - STR 1	100yr02 hr	47.43	0.00	0.03	8.37	10.24	2.2154	0.0000	1.7646	2.2283	2.2283
Pond 1 - STR 1	100yr03 hr	50.48	0.00	0.03	8.63	10.37	3.0490	0.0000	2.2509	3.0570	3.0806
Pond 1 - STR 1	100yr06 hr	55.79	0.00	0.03	9.12	10.56	4.0301	0.0000	3.5378	4.0426	4.0565
Pond 1 - STR 1	100yr12 hr	59.19	0.00	0.03	9.45	10.66	6.7390	0.0000	6.1793	6.7643	6.7683
Pond 1 - STR 1	100yr24 hr	60.74	0.00	0.03	9.60	10.69	12.5816	0.0000	12.1446	12.5857	12.5857
Pond 2 - Pond 1	002yr01 hr	2.79	0.00	-0.02	2.95	3.51	1.2196	0.0000	1.5212	2.8056	1.2232
Pond 2 - Pond 1	002yr02 hr	4.02	0.00	0.02	3.47	3.86	2.1866	0.0000	1.3772	2.9674	2.0170
Pond 2 - Pond 1	002yr03 hr	4.46	0.00	0.02	3.66	3.89	3.1096	0.0000	1.8442	3.4816	2.4862
Pond 2 - Pond 1	002yr06 hr	5.80	0.00	0.02	4.00	4.23	4.3935	0.0000	3.2269	4.9162	3.7714
Pond 2 - Pond 1	002yr12 hr	7.55	0.00	0.02	4.24	4.59	7.1279	0.0000	6.1278	7.5973	6.6635

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 1	hr										
Pond 2 - Pond 1	002yr24 hr	9.61	0.00	-0.02	4.48	4.94	12.8856	0.0000	12.3206	13.3136	12.4681
Pond 2 - Pond 1	010yr01 hr	8.69	0.00	0.02	4.17	4.84	1.1529	0.0000	0.7113	1.9276	1.2269
Pond 2 - Pond 1	010yr02 hr	11.47	0.00	-0.02	4.59	5.17	2.0733	0.0000	1.4284	2.3660	1.6508
Pond 2 - Pond 1	010yr03 hr	11.77	0.00	-0.02	4.66	5.23	2.5401	0.0000	1.8395	2.9386	2.1244
Pond 2 - Pond 1	010yr06 hr	14.67	0.00	-0.03	4.81	5.63	3.7817	0.0000	3.4212	4.2815	3.5075
Pond 2 - Pond 1	010yr12 hr	17.09	0.00	-0.03	4.87	5.91	6.6770	0.0000	6.3673	7.1464	6.3673
Pond 2 - Pond 1	010yr24 hr	19.06	0.00	-0.03	4.90	5.91	12.4873	0.0000	12.1771	12.9396	12.1771
Pond 2 - Pond 1	100yr01 hr	20.50	0.00	-0.04	4.89	6.25	1.1650	0.0000	0.9223	1.6753	0.9223
Pond 2 - Pond 1	100yr02 hr	23.15	0.00	-0.04	4.82	6.45	1.7775	0.0000	1.3251	2.4746	1.3381
Pond 2 - Pond 1	100yr03 hr	23.13	0.00	-0.04	4.75	6.48	2.4348	0.0000	1.7851	3.2916	1.7949
Pond 2 - Pond 1	100yr06 hr	25.29	0.00	-0.04	5.15	6.51	3.5085	0.0000	3.1965	3.5085	3.2034
Pond 2 - Pond 1	100yr12 hr	25.46	0.00	-0.03	5.19	6.29	6.3890	0.0000	6.1074	6.3890	6.1150
Pond 2 - Pond 1	100yr24 hr	24.56	0.00	-0.02	5.00	5.71	12.2978	0.0000	14.7267	12.2978	12.0975
Pond 3 - Pond 1	002yr01 hr	2.63	0.00	0.01	3.04	2.96	3.0030	0.0000	1.4045	3.0030	3.0030
Pond 3 - Pond 1	002yr02 hr	4.73	0.00	0.01	3.66	3.45	3.7300	0.0000	2.0082	4.1223	3.3638
Pond 3 - Pond 1	002yr03 hr	5.74	0.00	-0.01	3.86	3.62	4.1934	0.0000	6.3054	4.4456	3.9850
Pond 3 - Pond 1	002yr06 hr	9.02	0.00	-0.02	4.39	4.04	6.1151	0.0000	8.4055	6.1696	5.7751
Pond 3 - Pond 1	002yr12 hr	11.15	0.00	-0.02	4.59	4.31	8.7552	0.0000	11.1592	8.9064	8.5961
Pond 3 - Pond 1	002yr24 hr	13.77	0.00	-0.02	4.76	4.61	14.3154	0.0000	17.3152	14.2520	14.3735
Pond 3 - Pond 1	010yr01 hr	9.39	0.00	0.01	4.36	4.18	2.5271	0.0000	1.2637	2.7093	2.4333
Pond 3 - Pond 1	010yr02 hr	14.13	0.00	0.02	4.76	4.69	2.9124	0.0000	1.9589	2.6797	3.0477
Pond 3 - Pond 1	010yr03 hr	15.93	0.00	0.02	4.88	4.85	3.4894	0.0000	2.3970	3.2374	3.7672

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 3 - Pond 1	010yr06 hr	19.85	0.00	-0.02	4.99	5.28	5.3640	0.0000	8.4163	4.5085	6.0085
Pond 3 - Pond 1	010yr12 hr	21.81	0.00	-0.02	5.09	5.55	8.3626	0.0000	12.9385	7.0659	9.1978
Pond 3 - Pond 1	010yr24 hr	23.20	0.00	-0.02	5.14	5.76	14.1820	0.0000	19.4278	12.7417	15.3695
Pond 3 - Pond 1	100yr01 hr	20.75	0.00	0.01	5.17	5.50	2.4747	0.0000	1.2745	1.3133	3.0010
Pond 3 - Pond 1	100yr02 hr	23.81	0.00	-0.01	5.23	6.23	2.8680	0.0000	5.9780	1.6182	5.0182
Pond 3 - Pond 1	100yr03 hr	24.33	0.00	0.02	5.23	6.41	3.9769	0.0000	6.0923	2.0607	6.4041
Pond 3 - Pond 1	100yr06 hr	27.14	0.00	0.04	5.53	6.61	6.2173	0.0000	10.4155	6.2173	10.4134
Pond 3 - Pond 1	100yr12 hr	27.72	0.00	0.04	5.65	6.60	9.4795	0.0000	14.9483	9.4795	14.8700
Pond 3 - Pond 1	100yr24 hr	27.70	0.00	0.03	5.64	6.47	15.2801	0.0000	12.5030	15.2801	17.4383
Pond 4 - STR	002yr01 hr	5.64	0.00	-0.01	4.03	3.10	1.1825	0.0000	1.4045	1.2051	0.7707
Pond 4 - STR	002yr02 hr	7.22	0.00	-0.02	4.27	3.28	1.8118	0.0000	2.2748	1.8433	1.2481
Pond 4 - STR	002yr03 hr	7.44	0.00	-0.02	4.30	3.31	2.2867	0.0000	3.2269	2.3320	1.7342
Pond 4 - STR	002yr06 hr	9.81	0.00	0.01	4.54	3.49	3.6467	0.0000	3.1495	3.6655	3.1801
Pond 4 - STR	002yr12 hr	12.37	0.00	-0.02	4.71	3.43	6.5509	0.0000	7.4652	6.5903	6.1802
Pond 4 - STR	002yr24 hr	14.94	0.00	-0.02	4.77	3.60	12.4165	0.0000	13.3231	12.2748	12.1993
Pond 4 - STR	010yr01 hr	14.52	0.00	-0.02	4.77	3.96	1.1221	0.0000	1.4293	1.0511	0.7158
Pond 4 - STR	010yr02 hr	16.65	0.00	-0.02	4.79	4.13	1.6759	0.0000	2.4361	1.3648	1.1912
Pond 4 - STR	010yr03 hr	16.97	0.00	-0.02	4.79	4.11	2.1592	0.0000	3.9038	1.8359	1.6736
Pond 4 - STR	010yr06 hr	19.86	0.00	-0.02	4.81	4.15	3.5728	0.0000	5.5241	3.2359	3.5828
Pond 4 - STR	010yr12 hr	21.35	0.00	-0.02	4.82	4.40	6.5146	0.0000	8.7906	6.1501	6.4974
Pond 4 - STR	010yr24 hr	21.70	0.00	-0.02	4.81	4.44	12.3249	0.0000	14.5043	12.0447	12.3028
Pond 4 - STR	100yr01 hr	21.82	0.00	-0.02	4.82	4.79	1.1406	0.0000	2.9962	0.7344	0.6719
Pond 4 - STR	100yr02 hr	23.61	0.00	-0.02	4.81	4.81	1.7613	0.0000	4.0675	1.1955	1.7613

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]
STR	hr										
Pond 4 - STR	100yr03 hr	24.03	0.00	-0.02	4.90	4.90	2.2395	0.0000	4.2993	2.2395	2.2395
Pond 4 - STR	100yr06 hr	26.00	0.00	-0.03	5.30	5.30	3.8404	0.0000	6.3548	3.8404	3.8404
Pond 4 - STR	100yr12 hr	26.50	0.00	-0.03	5.40	5.40	6.7277	0.0000	9.5934	6.7277	6.7277
Pond 4 - STR	100yr24 hr	26.04	0.00	-0.03	5.30	5.30	12.6070	0.0000	15.3284	12.6070	12.6070
Pond 5 - STR	002yr01 hr	3.27	0.00	-0.01	4.13	5.28	1.1990	0.0000	1.4045	1.2073	1.2073
Pond 5 - STR	002yr02 hr	4.36	0.00	-0.01	4.54	5.70	1.9055	0.0000	2.2748	1.9112	1.9016
Pond 5 - STR	002yr03 hr	4.51	0.00	-0.01	4.59	5.75	2.3852	0.0000	3.2269	2.3951	2.3951
Pond 5 - STR	002yr06 hr	6.10	0.00	-0.01	5.14	6.20	3.6841	0.0000	6.2674	3.7105	3.7157
Pond 5 - STR	002yr12 hr	8.12	0.00	-0.01	5.82	6.60	6.5747	0.0000	7.4652	6.5883	6.5942
Pond 5 - STR	002yr24 hr	10.89	0.00	-0.01	6.85	6.83	12.4069	0.0000	13.2773	12.4083	12.5522
Pond 5 - STR	010yr01 hr	10.25	0.00	-0.02	6.59	6.82	1.1229	0.0000	1.3148	1.1283	1.1442
Pond 5 - STR	010yr02 hr	13.51	0.00	-0.02	7.99	7.84	1.5906	0.0000	2.1897	1.5906	1.5906
Pond 5 - STR	010yr03 hr	14.36	0.00	-0.01	8.40	8.33	2.0428	0.0000	2.4212	2.0434	2.0428
Pond 5 - STR	010yr06 hr	15.21	0.00	-1.81	8.82	8.82	3.2676	0.0000	3.9478	3.2676	3.2676
Pond 5 - STR	010yr12 hr	15.21	0.00	-1.50	8.82	8.82	6.1669	0.0000	7.2696	6.1669	6.1669
Pond 5 - STR	010yr24 hr	15.21	0.00	-1.38	8.82	8.82	12.0636	0.0000	12.1269	12.0636	12.0636
Pond 5 - STR	100yr01 hr	15.86	0.00	-1.56	8.98	9.22	1.1389	0.0000	0.7819	1.1389	1.1389
Pond 5 - STR	100yr02 hr	17.77	0.00	-1.57	10.06	10.33	1.7125	0.0000	3.1651	1.7125	1.7125
Pond 5 - STR	100yr03 hr	18.24	0.00	-1.35	10.32	10.60	2.1837	0.0000	4.2993	2.1837	2.1837
Pond 5 - STR	100yr06 hr	20.20	0.00	-0.85	11.43	11.75	3.6465	0.0000	3.1437	3.6465	3.6465
Pond 5 - STR	100yr12 hr	20.63	0.00	-1.03	11.67	11.99	6.5991	0.0000	6.0730	6.5991	6.5991
Pond 5 - STR	100yr24 hr	20.21	0.00	-1.08	11.44	11.75	12.5349	0.0000	12.0321	12.5349	12.5349

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]
STR - Pond 3	002yr01 hr	8.88	0.00	-0.02	3.32	4.55	1.2257	0.0000	2.6868	1.2281	1.2294
STR - Pond 3	002yr02 hr	11.56	0.00	-0.02	3.59	4.90	1.8752	0.0000	2.3247	1.8808	1.8808
STR - Pond 3	002yr03 hr	11.93	0.00	0.03	3.63	4.94	2.3538	0.0000	1.8086	2.3597	2.3597
STR - Pond 3	002yr06 hr	15.89	0.00	0.02	3.95	5.35	3.6961	0.0000	3.2310	3.7003	3.7003
STR - Pond 3	002yr12 hr	20.47	0.00	-0.03	4.27	5.74	6.5903	0.0000	7.4652	6.5933	6.5952
STR - Pond 3	002yr24 hr	25.81	0.00	0.04	4.55	6.22	12.4358	0.0000	12.7062	12.4367	12.4384
STR - Pond 3	010yr01 hr	24.73	0.00	-0.05	4.49	6.15	1.1469	0.0000	1.0558	1.1487	1.1487
STR - Pond 3	010yr02 hr	30.10	0.00	-0.06	4.76	6.53	1.6283	0.0000	1.5496	1.6290	1.6290
STR - Pond 3	010yr03 hr	31.21	0.00	-0.05	4.81	6.59	2.0793	0.0000	1.9502	2.0827	2.0827
STR - Pond 3	010yr06 hr	33.85	0.00	-0.06	4.93	6.79	3.6950	0.0000	3.3030	3.6955	3.7028
STR - Pond 3	010yr12 hr	35.20	0.00	-0.05	5.02	6.85	6.5501	0.0000	6.2001	7.5793	6.5514
STR - Pond 3	010yr24 hr	36.41	0.00	-0.05	5.13	6.90	12.4509	0.0000	12.0987	13.4464	12.4566
STR - Pond 3	100yr01 hr	37.68	0.00	-0.07	5.09	7.03	1.1510	0.0000	0.9168	1.1533	1.1539
STR - Pond 3	100yr02 hr	41.38	0.00	-0.07	5.31	7.24	1.7439	0.0000	1.3623	2.2864	1.9967
STR - Pond 3	100yr03 hr	42.26	0.00	-0.08	5.37	7.34	2.2173	0.0000	2.0347	2.7915	2.2196
STR - Pond 3	100yr06 hr	46.20	0.00	-0.08	5.53	7.57	3.7428	0.0000	3.3455	3.9943	3.6880
STR - Pond 3	100yr12 hr	47.14	0.00	-0.08	5.57	7.62	6.6655	0.0000	6.4449	6.7903	6.4449
STR - Pond 3	100yr24 hr	46.26	0.00	-0.07	5.55	7.49	12.5691	0.0000	12.2662	12.6164	12.3177
STR 1 - STR 2	002yr01 hr	3.60	0.00	0.01	3.65	5.03	3.0030	0.0000	0.8741	3.0030	3.0030
STR 1 - STR 2	002yr02 hr	6.66	0.00	-0.01	4.32	6.03	3.9067	0.0000	5.9683	4.0329	4.0329
STR 1 - STR 2	002yr03 hr	8.13	0.00	-0.02	4.57	6.39	4.3659	0.0000	7.1576	4.4062	4.4062
STR 1 - STR 2	002yr06 hr	13.36	0.00	-0.02	5.28	7.37	6.1295	0.0000	8.4055	6.1939	6.1939
STR 1 - STR 2	002yr12 hr	16.63	0.00	-0.02	5.65	7.84	8.8775	0.0000	10.9779	8.9369	8.9115

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]
STR 2	hr										
STR 1 - STR 2	002yr24 hr	20.76	0.00	-0.03	6.06	8.33	14.3154	0.0000	16.8761	14.3338	14.3338
STR 1 - STR 2	010yr01 hr	13.48	0.00	0.01	5.29	7.39	2.6212	0.0000	1.1521	2.6528	2.6618
STR 1 - STR 2	010yr02 hr	21.09	0.00	0.03	6.09	8.37	2.8561	0.0000	1.9848	2.8961	2.8961
STR 1 - STR 2	010yr03 hr	24.43	0.00	0.03	6.40	8.71	3.3646	0.0000	2.9086	3.4341	3.4288
STR 1 - STR 2	010yr06 hr	31.33	0.00	0.03	7.00	9.29	5.1075	0.0000	4.0328	5.1291	5.1439
STR 1 - STR 2	010yr12 hr	35.04	0.00	0.03	7.32	9.55	7.8260	0.0000	6.9023	7.8672	7.8516
STR 1 - STR 2	010yr24 hr	38.91	0.00	0.03	7.64	9.80	13.5018	0.0000	12.7417	13.5729	13.5977
STR 1 - STR 2	100yr01 hr	33.92	0.00	0.03	7.22	9.48	1.8580	0.0000	1.0921	1.8869	1.8869
STR 1 - STR 2	100yr02 hr	47.43	0.00	0.03	8.37	10.25	2.2323	0.0000	1.7646	2.2455	2.2429
STR 1 - STR 2	100yr03 hr	50.48	0.00	0.03	8.63	10.38	3.0305	0.0000	2.1823	3.0415	3.0806
STR 1 - STR 2	100yr06 hr	55.79	0.00	0.03	9.12	10.57	4.0214	0.0000	3.5378	4.0301	4.0856
STR 1 - STR 2	100yr12 hr	59.19	0.00	0.03	9.45	10.66	6.7539	0.0000	6.1793	6.7547	6.7724
STR 1 - STR 2	100yr24 hr	60.74	0.00	0.03	9.60	10.70	12.5857	0.0000	12.1446	12.5864	12.5934
STR 2 - STR 3	002yr01 hr	24.39	0.00	-0.21	6.10	7.84	0.0000	0.0000	0.0002	0.0001	0.0001
STR 2 - STR 3	002yr02 hr	24.39	0.00	-0.21	6.10	7.84	0.0000	0.0000	0.0002	0.0001	0.0001
STR 2 - STR 3	002yr03 hr	24.39	0.00	-0.21	6.10	7.84	0.0000	0.0000	0.0002	0.0001	0.0001
STR 2 - STR 3	002yr06 hr	24.39	0.00	-0.21	6.10	7.84	0.0000	0.0000	0.0002	0.0001	0.0001
STR 2 - STR 3	002yr12 hr	24.39	0.00	-0.21	6.10	7.84	0.0000	0.0000	0.0002	0.0001	0.0001
STR 2 - STR 3	002yr24 hr	24.39	0.00	-0.21	6.10	7.84	0.0000	0.0000	0.0002	0.0001	0.0001
STR 2 - STR 3	010yr01 hr	24.39	0.00	-0.21	6.10	7.84	0.0000	0.0000	0.0002	0.0001	0.0001
STR 2 - STR 3	010yr02 hr	24.39	0.00	-0.21	6.10	7.84	0.0000	0.0000	0.0002	0.0001	0.0001
STR 2 - STR 3	010yr03 hr	24.43	0.00	-0.21	6.10	7.84	3.3890	0.0000	0.0002	0.0001	0.0001

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]
STR 2 - STR 3	010yr06 hr	31.33	0.00	-0.21	6.60	7.84	5.1269	0.0000	0.0002	5.1807	0.0001
STR 2 - STR 3	010yr12 hr	35.04	0.00	-0.21	6.86	7.84	7.8516	0.0000	0.0002	7.8777	0.0001
STR 2 - STR 3	010yr24 hr	38.91	0.00	-0.21	7.11	7.84	13.5230	0.0000	0.0002	13.5977	0.0001
STR 2 - STR 3	100yr01 hr	33.92	0.00	-0.21	6.78	7.84	1.8817	0.0000	0.0002	1.9061	0.0001
STR 2 - STR 3	100yr02 hr	47.43	0.00	-0.21	7.65	7.84	2.2411	0.0000	0.0002	2.2447	0.0001
STR 2 - STR 3	100yr03 hr	50.48	0.00	-0.21	7.84	7.84	3.0477	0.0000	0.0002	3.0626	0.0001
STR 2 - STR 3	100yr06 hr	55.79	0.00	-0.21	8.17	7.84	4.0320	0.0000	0.0002	4.0351	0.0001
STR 2 - STR 3	100yr12 hr	59.15	0.00	-0.21	8.37	7.84	6.7178	0.0000	0.0002	6.7178	0.0001
STR 2 - STR 3	100yr24 hr	60.64	0.00	-0.21	8.42	7.84	12.6040	0.0000	0.0002	12.4549	0.0001
STR 3 - OUTLET 1	002yr01 hr	3.57	0.00	0.01	1.81	3.49	3.0030	0.0000	1.3325	3.0030	3.0030
STR 3 - OUTLET 1	002yr02 hr	6.66	0.00	0.01	2.23	4.12	4.0417	0.0000	2.3144	4.0461	4.0461
STR 3 - OUTLET 1	002yr03 hr	8.13	0.00	-0.02	2.39	4.32	4.4456	0.0000	6.2847	4.4493	4.4493
STR 3 - OUTLET 1	002yr06 hr	13.35	0.00	0.02	2.84	4.97	6.2095	0.0000	4.6363	6.2173	6.2173
STR 3 - OUTLET 1	002yr12 hr	16.63	-0.06	-0.04	3.06	5.24	8.9478	5.9796	10.3441	8.9535	8.9535
STR 3 - OUTLET 1	002yr24 hr	20.76	-0.06	-0.04	3.31	5.60	14.3576	5.9930	17.2347	14.3609	14.3609
STR 3 - OUTLET 1	010yr01 hr	13.48	0.00	0.03	2.84	4.98	2.6729	0.0000	1.0929	2.6729	2.6729
STR 3 - OUTLET 1	010yr02 hr	21.09	0.00	-0.04	3.32	5.63	2.9138	0.0000	4.9961	2.9164	2.9164
STR 3 - OUTLET 1	010yr03 hr	24.42	0.00	0.04	3.50	5.88	3.4501	0.0000	2.3776	3.4522	3.4522

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]
STR 3 - OUTLET 1	010yr06 hr	31.33	0.00	-0.04	3.82	6.31	5.1651	0.0000	8.9949	5.1696	5.1696
STR 3 - OUTLET 1	010yr12 hr	35.04	-0.05	0.04	3.98	6.60	7.8866	5.8318	8.6680	7.8880	7.8880
STR 3 - OUTLET 1	010yr24 hr	38.91	-0.06	0.04	4.14	6.79	13.5886	5.9930	12.2131	13.5965	13.5965
STR 3 - OUTLET 1	100yr01 hr	33.92	0.00	-0.05	3.93	6.54	1.9102	0.0000	1.6449	1.9129	1.9158
STR 3 - OUTLET 1	100yr02 hr	47.40	0.00	0.06	4.46	7.22	2.2655	0.0000	3.0041	2.2688	2.2705
STR 3 - OUTLET 1	100yr03 hr	50.47	0.00	0.06	4.57	7.41	3.0782	0.0000	3.3811	3.0795	3.0909
STR 3 - OUTLET 1	100yr06 hr	55.78	0.00	0.08	4.76	7.64	4.0718	0.0000	5.1195	4.0737	4.0846
STR 3 - OUTLET 1	100yr12 hr	59.10	0.00	0.08	4.88	7.88	6.8094	0.0000	8.2323	6.7080	6.7155
STR 3 - OUTLET 1	100yr24 hr	60.59	-0.06	0.07	4.94	7.89	12.6432	5.9930	14.1203	12.6502	12.6432

Node Max Conditions w/ Times [Proposed Scenario]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft ²]	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 1	002yr01 hr	736.00	733.25	0.0005	3.57	0.00	0	3.0030	2.7829	3.0030	0.0000
Outlet 1	002yr02 hr	736.00	733.50	0.0010	6.66	0.00	0	6.0021	5.8569	4.0417	0.0000
Outlet 1	002yr03 hr	736.00	733.75	0.0013	8.13	0.00	0	9.0024	1.3716	4.4456	0.0000
Outlet 1	002yr06 hr	736.00	734.00	0.0014	13.35	0.00	0	11.9992	1.6005	6.2095	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 ²]	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 1	002yr12 hr	736.00	734.00	0.0014	16.63	0.06	0	11.9991	1.6005	8.9478	5.9796
Outlet 1	002yr24 hr	736.00	734.00	0.0014	20.76	0.06	0	12.0000	1.6005	14.3576	5.9930
Outlet 1	010yr01 hr	736.00	733.25	0.0004	13.48	0.00	0	3.0003	0.4651	2.6729	0.0000
Outlet 1	010yr02 hr	736.00	733.50	0.0008	21.09	0.00	0	6.0050	0.8795	2.9138	0.0000
Outlet 1	010yr03 hr	736.00	733.75	0.0012	24.42	0.00	0	9.0037	1.2261	3.4501	0.0000
Outlet 1	010yr06 hr	736.00	734.00	0.0014	31.33	0.00	0	12.0012	1.6005	5.1651	0.0000
Outlet 1	010yr12 hr	736.00	734.00	0.0014	35.04	0.05	0	12.0020	1.6005	7.8866	5.8318
Outlet 1	010yr24 hr	736.00	734.00	0.0014	38.91	0.06	0	11.9999	1.6005	13.5886	5.9930
Outlet 1	100yr01 hr	736.00	733.25	0.0004	33.92	0.00	0	3.0010	0.4292	1.9102	0.0000
Outlet 1	100yr02 hr	736.00	733.50	0.0007	47.40	0.00	0	6.0005	0.7159	2.2655	0.0000
Outlet 1	100yr03 hr	736.00	733.75	0.0009	50.47	0.00	0	9.0026	0.9817	3.0782	0.0000
Outlet 1	100yr06 hr	736.00	734.00	0.0014	55.78	0.00	0	11.9991	1.6005	4.0718	0.0000
Outlet 1	100yr12 hr	736.00	734.00	0.0014	59.10	0.00	0	12.0016	1.6005	6.8094	0.0000
Outlet 1	100yr24 hr	736.00	734.00	0.0014	60.59	0.06	0	12.0000	1.6005	12.6432	5.9930
Pond 1	002yr01 hr	750.00	745.59	0.0005	26.63	3.61	73258	3.0030	0.6196	0.6833	3.0030
Pond 1	002yr02 hr	750.00	745.81	0.0007	31.68	6.66	74471	3.9145	1.9839	1.1667	3.8826
Pond 1	002yr03 hr	750.00	745.90	-0.0008	32.53	8.13	74941	4.3318	7.6839	1.6666	4.3406
Pond 1	002yr06 hr	750.00	746.16	-0.0009	38.62	13.36	76291	6.1295	12.0127	3.1334	6.1199
Pond 1	002yr12 hr	750.00	746.30	-0.0009	42.28	16.63	76978	8.8458	12.1685	6.1167	8.8206
Pond 1	002yr24 hr	750.00	746.46	-0.0008	43.68	20.76	77725	14.2769	24.1510	12.0834	14.2870
Pond 1	010yr01 hr	750.00	746.17	0.0005	56.66	13.48	76322	2.5838	1.1059	0.6832	2.5947
Pond 1	010yr02 hr	750.00	746.48	-0.0008	66.03	21.09	77781	2.8428	5.4657	1.1667	2.8439
Pond 1	010yr03 hr	750.00	746.59	-0.0008	66.81	24.43	78302	3.3756	7.9003	1.6667	3.3981

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft ²]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	hr										
Pond 1	010yr06 hr	750.00	746.82	-0.0007	76.50	31.33	79213	5.1015	13.2312	3.1500	5.0914
Pond 1	010yr12 hr	750.00	746.92	-0.0008	79.23	35.04	79620	7.8214	13.5902	6.1166	7.8119
Pond 1	010yr24 hr	750.00	747.03	-0.0009	77.84	38.91	80001	13.5188	24.2116	12.0836	13.4948
Pond 1	100yr01 hr	750.00	746.89	0.0006	113.50	33.92	79511	1.8479	1.0868	0.6799	1.8458
Pond 1	100yr02 hr	750.00	747.24	0.0006	133.83	47.43	80636	2.2164	1.6931	1.1667	2.2154
Pond 1	100yr03 hr	750.00	747.31	0.0005	137.26	50.48	80755	3.0346	2.1748	1.6667	3.0490
Pond 1	100yr06 hr	750.00	747.42	-0.0008	155.20	55.79	80499	4.0204	15.0456	3.1499	4.0301
Pond 1	100yr12 hr	750.00	747.49	-0.0008	149.61	59.19	80521	6.7398	23.6127	6.1167	6.7390
Pond 1	100yr24 hr	750.00	747.52	0.0008	138.19	60.74	80606	12.5651	11.3539	12.0838	12.5816
Pond 2	002yr01 hr	751.00	747.57	0.0008	34.48	2.79	56899	1.2184	0.5156	0.6833	1.2196
Pond 2	002yr02 hr	751.00	747.69	0.0008	40.97	4.02	57391	2.0684	1.0458	1.1667	2.1866
Pond 2	002yr03 hr	751.00	747.70	0.0008	41.87	4.46	57440	2.5297	1.5114	1.6666	3.1096
Pond 2	002yr06 hr	751.00	747.84	0.0008	49.36	5.80	57956	3.7682	2.8456	3.1334	4.3935
Pond 2	002yr12 hr	751.00	747.99	0.0008	52.11	7.55	58531	6.6584	5.1171	6.1000	7.1279
Pond 2	002yr24 hr	751.00	748.15	-0.0008	49.14	9.61	59166	12.4650	13.2536	12.0667	12.8856
Pond 2	010yr01 hr	751.00	748.11	0.0008	72.49	8.69	59009	1.1521	0.5369	0.6666	1.1529
Pond 2	010yr02 hr	751.00	748.28	0.0008	83.30	11.47	59613	1.7079	0.8997	1.1667	2.0733
Pond 2	010yr03 hr	751.00	748.30	0.0008	83.76	11.77	59704	2.1681	1.3426	1.6500	2.5401
Pond 2	010yr06 hr	751.00	748.53	0.0008	93.57	14.67	60538	3.5806	2.2705	3.1333	3.7817
Pond 2	010yr12 hr	751.00	748.71	0.0008	91.11	17.09	61152	6.5018	5.9779	6.1000	6.6770
Pond 2	010yr24 hr	751.00	748.85	-0.0010	78.87	19.06	61642	12.3897	12.9396	12.0667	12.4873
Pond 2	100yr01 hr	751.00	749.01	-0.0010	141.03	20.50	62175	1.1023	1.3125	0.6667	1.1650

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft ²]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Pond 2	100yr02 hr	751.00	749.36	-0.0010	161.24	23.15	63081	1.6135	2.2184	1.1666	1.7775
Pond 2	100yr03 hr	751.00	749.47	-0.0010	163.54	23.13	63317	2.0919	3.1600	1.6500	2.4348
Pond 2	100yr06 hr	751.00	749.93	-0.0010	176.89	25.29	64955	3.5769	4.5513	3.1333	3.5085
Pond 2	100yr12 hr	751.00	750.05	-0.0010	158.83	25.46	65421	6.5388	7.4233	6.1000	6.3890
Pond 2	100yr24 hr	751.00	749.96	-0.0010	136.43	24.56	65100	12.4933	13.2643	12.0667	12.2978
Pond 3	002yr01 hr	752.00	748.30	0.0007	30.44	2.63	122250	3.0030	1.3734	0.6833	3.0030
Pond 3	002yr02 hr	752.00	748.50	0.0009	36.19	4.73	123705	3.6051	1.9839	1.1667	3.7300
Pond 3	002yr03 hr	752.00	748.58	0.0009	37.05	5.74	124301	4.1088	2.6424	1.6666	4.1934
Pond 3	002yr06 hr	752.00	748.81	0.0009	43.94	9.02	125950	6.0753	3.9652	3.1499	6.1151
Pond 3	002yr12 hr	752.00	748.96	0.0009	49.78	11.15	126990	8.6889	6.8223	6.1167	8.7552
Pond 3	002yr24 hr	752.00	749.14	-0.0009	55.60	13.77	128242	14.3124	17.2347	12.1000	14.3154
Pond 3	010yr01 hr	752.00	748.85	0.0008	64.34	9.39	126228	2.4901	1.2505	0.6668	2.5271
Pond 3	010yr02 hr	752.00	749.18	-0.0009	75.06	14.13	128470	2.9394	5.4657	1.1667	2.9124
Pond 3	010yr03 hr	752.00	749.30	0.0009	76.41	15.93	129304	3.5545	2.3845	1.6667	3.4894
Pond 3	010yr06 hr	752.00	749.63	-0.0010	90.47	19.85	131392	5.4966	8.3768	3.1661	5.3640
Pond 3	010yr12 hr	752.00	749.84	-0.0010	98.60	21.81	132672	8.5121	10.8085	6.1334	8.3626
Pond 3	010yr24 hr	752.00	750.04	-0.0010	99.94	23.20	133869	14.4441	16.3848	12.0836	14.1820
Pond 3	100yr01 hr	752.00	749.73	0.0008	131.54	20.75	132011	2.6310	1.2636	0.7000	2.4747
Pond 3	100yr02 hr	752.00	750.32	-0.0010	159.38	23.81	135233	3.7215	5.6763	1.1908	2.8680
Pond 3	100yr03 hr	752.00	750.58	-0.0010	165.98	24.33	136790	4.5421	7.6404	1.6790	3.9769
Pond 3	100yr06 hr	752.00	751.29	-0.0010	188.23	27.14	141101	6.6378	11.0605	3.1339	6.2173
Pond 3	100yr12 hr	752.00	751.48	-0.0010	175.72	27.72	142445	10.0902	15.3483	6.1000	9.4795
Pond 3	100yr24 hr	752.00	751.47	-0.0010	156.45	27.70	142348	15.8590	20.4341	12.0833	15.2801

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft ²]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	hr										
Pond 4	002yr01 hr	755.00	751.24	0.0010	47.39	5.64	61056	1.1768	0.6196	0.6833	1.1825
Pond 4	002yr02 hr	755.00	751.36	0.0010	56.32	7.22	61564	1.8045	1.0458	1.1667	1.8118
Pond 4	002yr03 hr	755.00	751.38	0.0010	57.55	7.44	61632	2.2805	1.5114	1.6666	2.2867
Pond 4	002yr06 hr	755.00	751.55	0.0010	67.85	9.81	62338	3.6435	3.0912	3.1334	3.6467
Pond 4	002yr12 hr	755.00	751.74	0.0010	71.63	12.37	63077	6.5493	5.9497	6.1000	6.5509
Pond 4	002yr24 hr	755.00	751.94	-0.0009	67.54	14.94	63857	12.4172	14.6964	12.0667	12.4165
Pond 4	010yr01 hr	755.00	751.91	0.0010	99.65	14.52	63720	1.1237	0.5886	0.6666	1.1221
Pond 4	010yr02 hr	755.00	752.11	0.0010	114.51	16.65	64472	1.6532	1.0671	1.1667	1.6759
Pond 4	010yr03 hr	755.00	752.15	0.0010	115.14	16.97	64607	2.1170	1.4407	1.6500	2.1592
Pond 4	010yr06 hr	755.00	752.46	0.0010	128.62	19.86	65749	3.5766	3.0439	3.1333	3.5728
Pond 4	010yr12 hr	755.00	752.69	0.0010	125.24	21.35	66522	6.5289	5.9779	6.1000	6.5146
Pond 4	010yr24 hr	755.00	752.87	0.0010	108.41	21.70	66776	12.4352	12.0893	12.0667	12.3249
Pond 4	100yr01 hr	755.00	753.17	-0.0010	193.86	21.82	68003	1.1423	2.5772	0.6667	1.1406
Pond 4	100yr02 hr	755.00	753.69	-0.0010	221.65	23.61	70177	1.7479	2.4491	1.1666	1.7613
Pond 4	100yr03 hr	755.00	753.82	0.0010	224.80	24.03	70735	2.2281	1.5450	1.6500	2.2395
Pond 4	100yr06 hr	755.00	754.41	0.0010	243.15	26.00	73235	3.6895	3.0054	3.1333	3.8404
Pond 4	100yr12 hr	755.00	754.53	0.0010	218.33	26.50	73761	6.6508	5.8678	6.1000	6.7277
Pond 4	100yr24 hr	755.00	754.37	0.0010	187.53	26.04	73081	12.5808	11.9198	12.0667	12.6070
Pond 5	002yr01 hr	755.00	751.59	0.0009	33.03	3.27	51672	1.1978	0.5156	0.6833	1.1990
Pond 5	002yr02 hr	755.00	751.70	0.0009	39.25	4.36	52210	1.9035	0.9908	1.1667	1.9055
Pond 5	002yr03 hr	755.00	751.72	0.0009	40.11	4.51	52277	2.3797	1.5114	1.6666	2.3852
Pond 5	002yr06 hr	755.00	751.85	0.0009	47.29	6.10	52945	3.6934	2.8456	3.1334	3.6841

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft ²]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
Pond 5	002yr12 hr	755.00	752.00	0.0008	49.92	8.12	53658	6.5747	5.1171	6.1000	6.5747
Pond 5	002yr24 hr	755.00	752.16	0.0008	47.08	10.89	54436	12.4062	11.8873	12.0667	12.4069
Pond 5	010yr01 hr	755.00	752.13	0.0009	69.45	10.25	54280	1.1221	0.5369	0.6666	1.1229
Pond 5	010yr02 hr	755.00	752.27	0.0009	79.81	13.51	54930	1.5899	0.8997	1.1667	1.5906
Pond 5	010yr03 hr	755.00	752.29	0.0009	80.25	14.36	55041	2.0428	1.3426	1.6500	2.0428
Pond 5	010yr06 hr	755.00	752.54	0.0009	89.64	15.21	56281	3.5728	2.2705	3.1333	3.2676
Pond 5	010yr12 hr	755.00	752.77	-0.0010	87.29	15.21	57381	6.5554	7.4169	6.1000	6.1669
Pond 5	010yr24 hr	755.00	752.93	-0.0010	75.56	15.21	58127	12.4417	13.6990	12.0667	12.0636
Pond 5	100yr01 hr	755.00	753.13	-0.0010	135.12	15.86	59157	1.1358	2.1071	0.6667	1.1389
Pond 5	100yr02 hr	755.00	753.52	-0.0009	154.48	17.77	61107	1.7104	3.2261	1.1666	1.7125
Pond 5	100yr03 hr	755.00	753.63	0.0009	156.68	18.24	61615	2.1809	0.9931	1.6500	2.1837
Pond 5	100yr06 hr	755.00	754.08	-0.0010	169.47	20.20	63914	3.6435	6.0467	3.1333	3.6465
Pond 5	100yr12 hr	755.00	754.19	-0.0010	152.17	20.63	64451	6.5984	10.2838	6.1000	6.5991
Pond 5	100yr24 hr	755.00	754.09	-0.0010	130.71	20.21	63932	12.5333	16.2226	12.0667	12.5349
STR	002yr01 hr	756.00	749.68	0.0010	8.91	8.88	1912	1.2245	0.6340	1.1888	1.2257
STR	002yr02 hr	756.00	749.84	0.0010	11.57	11.56	1947	1.8752	1.1679	1.8433	1.8752
STR	002yr03 hr	756.00	749.86	-0.0010	11.93	11.93	1950	2.3538	3.2242	2.3223	2.3538
STR	002yr06 hr	756.00	750.07	0.0010	15.90	15.89	1961	3.6948	3.1429	3.6688	3.6961
STR	002yr12 hr	756.00	750.30	-0.0010	20.48	20.47	1961	6.5883	8.4849	6.5630	6.5903
STR	002yr24 hr	756.00	750.55	0.0010	25.83	25.81	1966	12.4343	12.0170	12.4110	12.4358
STR	010yr01 hr	756.00	750.50	0.0010	24.76	24.73	1961	1.1460	0.6767	1.1221	1.1469
STR	010yr02 hr	756.00	750.74	0.0010	30.12	30.10	1967	1.6269	1.1451	1.6114	1.6283
STR	010yr03 hr	756.00	750.78	-0.0010	31.24	31.21	1969	2.0793	4.8991	2.0574	2.0793

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft ²]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	hr										
STR	010yr06 hr	756.00	750.90	-0.0010	35.05	33.85	1973	3.6335	4.3668	3.5404	3.6950
STR	010yr12 hr	756.00	750.96	0.0010	35.20	35.20	1973	6.5487	6.0417	6.5374	6.5501
STR	010yr24 hr	756.00	751.01	0.0010	36.42	36.41	1972	12.4502	11.1361	12.4338	12.4509
STR	100yr01 hr	756.00	751.07	0.0010	37.68	37.68	1971	1.1498	0.6806	1.1406	1.1510
STR	100yr02 hr	756.00	751.23	0.0010	41.38	41.38	1967	1.7439	1.1813	1.7285	1.7439
STR	100yr03 hr	756.00	751.27	0.0010	42.26	42.26	1963	2.2173	1.3840	2.2025	2.2173
STR	100yr06 hr	756.00	751.60	0.0010	46.10	46.20	1955	6.2225	3.0761	3.6627	3.7428
STR	100yr12 hr	756.00	751.74	0.0010	47.09	47.14	1959	9.4223	5.9887	6.6729	6.6655
STR	100yr24 hr	756.00	751.73	0.0010	46.24	46.26	1964	15.1704	10.8784	12.5721	12.5691
STR 1	002yr01 hr	754.00	741.04	0.0010	3.61	3.60	966	3.0030	0.7874	3.0030	3.0030
STR 1	002yr02 hr	754.00	741.26	0.0010	6.66	6.66	1048	3.9067	1.2774	3.8826	3.9067
STR 1	002yr03 hr	754.00	741.35	0.0010	8.13	8.13	1074	4.3527	1.7570	4.3406	4.3659
STR 1	002yr06 hr	754.00	741.61	0.0010	13.36	13.36	1132	6.1566	3.1790	6.1199	6.1295
STR 1	002yr12 hr	754.00	741.75	0.0010	16.63	16.63	1152	8.8594	6.0516	8.8206	8.8775
STR 1	002yr24 hr	754.00	741.91	0.0010	20.76	20.76	1167	14.3003	10.9494	14.2870	14.3154
STR 1	010yr01 hr	754.00	741.62	0.0010	13.48	13.48	1133	2.6086	0.7178	2.5947	2.6212
STR 1	010yr02 hr	754.00	741.93	0.0010	21.09	21.09	1167	2.8561	1.1787	2.8439	2.8561
STR 1	010yr03 hr	754.00	742.04	0.0010	24.43	24.43	1172	3.4140	1.6618	3.3981	3.3646
STR 1	010yr06 hr	754.00	742.27	0.0010	31.33	31.33	1173	5.0995	3.0887	5.0914	5.1075
STR 1	010yr12 hr	754.00	742.37	0.0010	35.04	35.04	1173	7.8260	5.6764	7.8119	7.8260
STR 1	010yr24 hr	754.00	742.48	0.0010	38.91	38.91	1173	13.5541	9.2023	13.4948	13.5018
STR 1	100yr01 hr	754.00	742.34	0.0010	33.92	33.92	1173	1.8580	0.6589	1.8458	1.8580

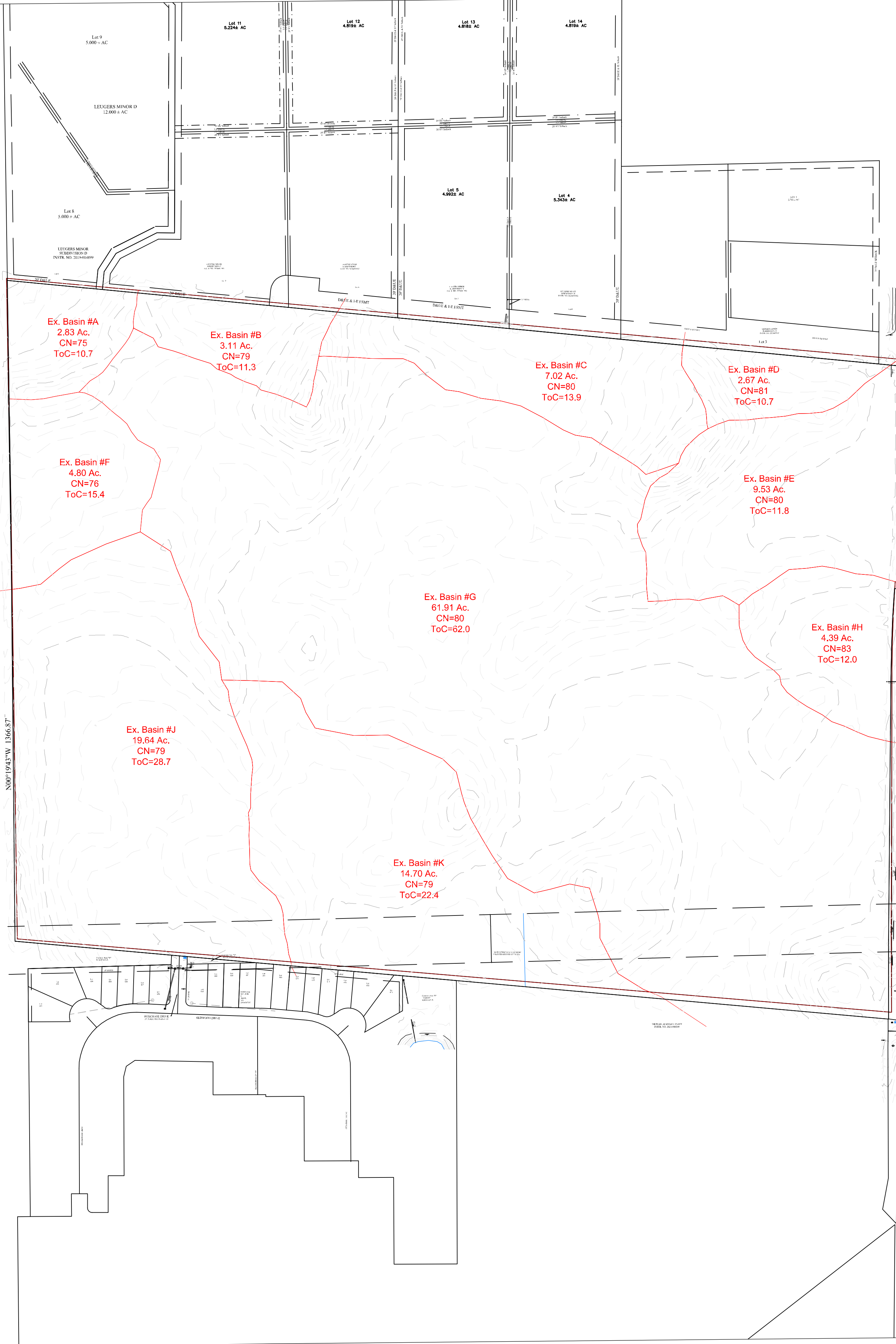
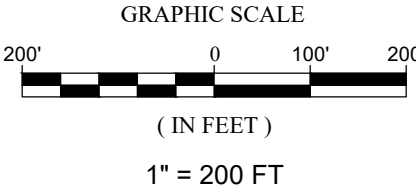
Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft ²]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
STR 1	100yr02 hr	754.00	742.69	0.0010	47.43	47.43	1173	2.2323	1.1194	2.2154	2.2323
STR 1	100yr03 hr	754.00	742.76	0.0010	50.48	50.48	1173	3.0250	1.5804	3.0490	3.0305
STR 1	100yr06 hr	754.00	742.87	0.0010	55.79	55.79	1173	4.0161	2.7748	4.0301	4.0214
STR 1	100yr12 hr	754.00	742.94	0.0010	59.19	59.19	1174	6.7539	4.6627	6.7390	6.7539
STR 1	100yr24 hr	754.00	742.97	0.0010	60.74	60.74	1174	12.5857	7.8403	12.5816	12.5857
STR 2	002yr01 hr	755.10	736.54	-0.0071	3.60	24.39	648	0.0000	0.0001	3.0030	0.0000
STR 2	002yr02 hr	755.10	736.54	-0.0071	6.66	24.39	728	0.0000	0.0001	3.9067	0.0000
STR 2	002yr03 hr	755.10	736.54	-0.0071	8.13	24.39	753	0.0000	0.0001	4.3659	0.0000
STR 2	002yr06 hr	755.10	736.54	-0.0071	13.36	24.39	811	0.0000	0.0001	6.1295	0.0000
STR 2	002yr12 hr	755.10	736.54	-0.0071	16.63	24.39	832	0.0000	0.0001	8.8775	0.0000
STR 2	002yr24 hr	755.10	736.54	-0.0071	20.76	24.39	849	0.0000	0.0001	14.3154	0.0000
STR 2	010yr01 hr	755.10	736.54	-0.0071	13.48	24.39	812	0.0000	0.0001	2.6212	0.0000
STR 2	010yr02 hr	755.10	736.54	-0.0071	21.09	24.39	850	0.0000	0.0001	2.8561	0.0000
STR 2	010yr03 hr	755.10	736.54	-0.0071	24.43	24.43	1135	3.3850	0.0001	3.3646	3.3890
STR 2	010yr06 hr	755.10	736.75	-0.0071	31.33	31.33	1138	5.1135	0.0001	5.1075	5.1269
STR 2	010yr12 hr	755.10	736.86	-0.0071	35.04	35.04	1138	7.8434	0.0001	7.8260	7.8516
STR 2	010yr24 hr	755.10	736.96	-0.0071	38.91	38.91	1138	13.5176	0.0001	13.5018	13.5230
STR 2	100yr01 hr	755.10	736.82	-0.0071	33.92	33.92	1138	1.8749	0.0001	1.8580	1.8817
STR 2	100yr02 hr	755.10	737.17	-0.0071	47.43	47.43	1139	2.2392	0.0001	2.2323	2.2411
STR 2	100yr03 hr	755.10	737.24	-0.0071	50.48	50.48	1139	3.0402	0.0001	3.0305	3.0477
STR 2	100yr06 hr	755.10	737.36	-0.0071	55.79	55.79	1139	4.0292	0.0001	4.0214	4.0320
STR 2	100yr12 hr	755.10	737.45	-0.0071	59.19	59.15	1139	6.8017	0.0001	6.7539	6.7178
STR 2	100yr24 hr	755.10	737.61	-0.0071	60.74	60.64	1139	12.6328	0.0001	12.5857	12.6040

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft ²]	Time to Max Stage [hr]	Time to Min/Max Delta Stage [hr]	Time to Max Total Inflow [hr]	Time to Max Total Outflow [hr]
	hr										
STR 3	002yr01 hr	754.40	734.26	0.0038	24.39	3.57	2207	3.0030	0.0001	0.0000	3.0030
STR 3	002yr02 hr	754.40	734.55	0.0038	24.39	6.66	2434	4.0373	0.0001	0.0000	4.0417
STR 3	002yr03 hr	754.40	734.66	0.0038	24.39	8.13	2506	4.4422	0.0001	0.0000	4.4456
STR 3	002yr06 hr	754.40	735.00	0.0038	24.39	13.35	2663	6.2056	0.0001	0.0000	6.2095
STR 3	002yr12 hr	754.40	735.19	0.0038	24.39	16.63	2720	8.9369	0.0001	0.0000	8.9478
STR 3	002yr24 hr	754.40	735.40	0.0038	24.39	20.76	2760	14.3508	0.0001	0.0000	14.3576
STR 3	010yr01 hr	754.40	735.01	0.0038	24.39	13.48	2665	2.6708	0.0001	0.0000	2.6729
STR 3	010yr02 hr	754.40	735.42	0.0038	24.39	21.09	2762	2.9124	0.0001	0.0000	2.9138
STR 3	010yr03 hr	754.40	735.57	0.0038	24.43	24.42	2776	3.4458	0.0001	3.3890	3.4501
STR 3	010yr06 hr	754.40	735.88	0.0038	31.33	31.33	2779	5.1583	0.0001	5.1269	5.1651
STR 3	010yr12 hr	754.40	736.04	0.0038	35.04	35.04	2779	7.8852	0.0001	7.8516	7.8866
STR 3	010yr24 hr	754.40	736.20	0.0038	38.91	38.91	2779	13.5886	0.0001	13.5230	13.5886
STR 3	100yr01 hr	754.40	736.00	0.0038	33.92	33.92	2779	1.9099	0.0001	1.8817	1.9102
STR 3	100yr02 hr	754.40	736.55	0.0038	47.43	47.40	2779	2.2647	0.0001	2.2411	2.2655
STR 3	100yr03 hr	754.40	736.69	0.0038	50.48	50.47	2779	3.0770	0.0001	3.0477	3.0782
STR 3	100yr06 hr	754.40	736.92	0.0038	55.79	55.78	2779	4.0708	0.0001	4.0320	4.0718
STR 3	100yr12 hr	754.40	737.09	0.0038	59.15	59.10	2779	6.8076	0.0001	6.7178	6.8094
STR 3	100yr24 hr	754.40	737.17	0.0038	60.64	60.59	2779	12.6406	0.0001	12.6040	12.6432

APPENDIX C

BASIN MAPS

File Name:
Modified / By:
Plotted / By:



LEGEND

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

EXISTING CONDITIONS BASIN MAP		WINTERFIELD OVERALL		JOHNSON, N
DRAWN BY NRS		CHECKED BY: BMB		FRANKLIN, MARION
SHEET NO				
<div>EX-1</div> <div>S & A JOB NO.</div> <div>100405FOR</div>				

STOEPPELWERTH

ALWAYS ON

7965 East 106th Street, Fishers, IN 46038-2505
phone: 317.849.5935 fax: 317.849.5942

JOHNSON, IN

FRANKLIN, MARION

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EX-1

S & A JOB NO.
100405FOR

REVISIONS

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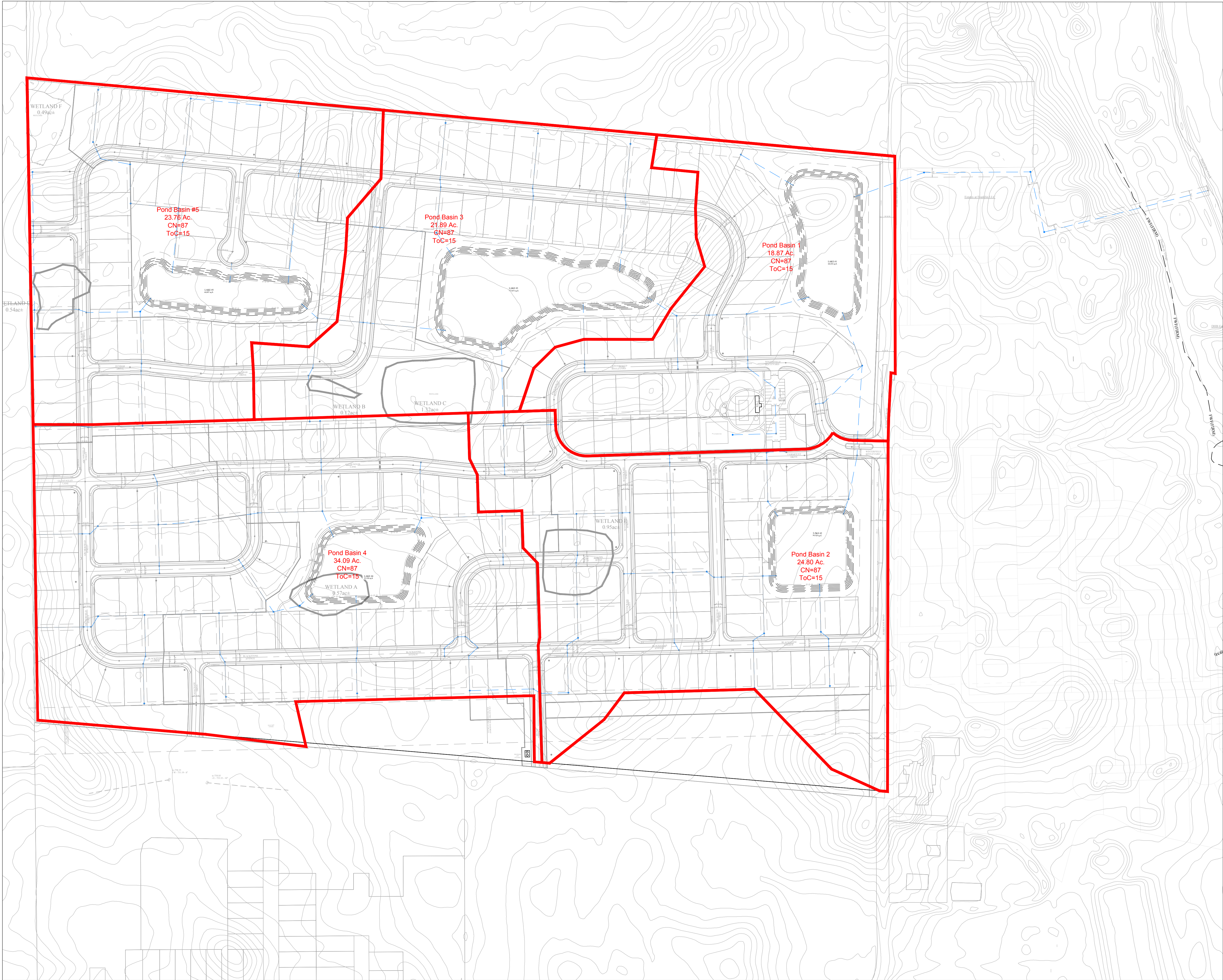
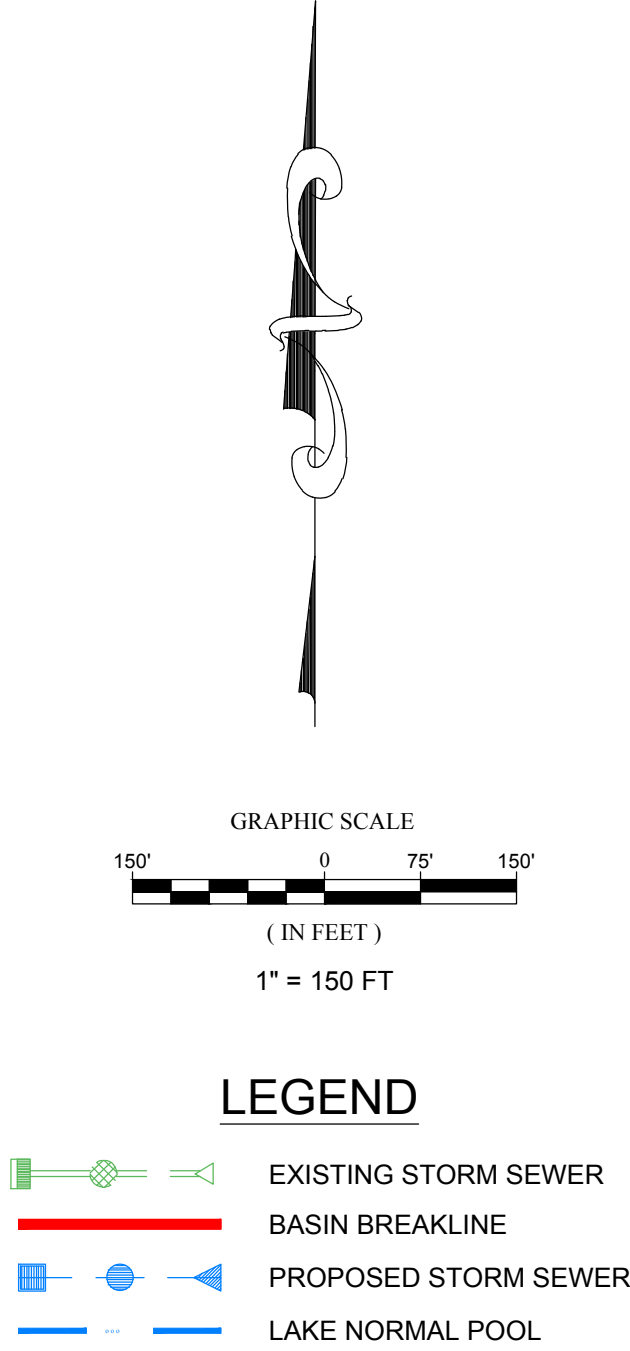
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MARIC

3

File Name: S:\100405FOR\Drawings\Basin Maps\Basin Maps - with overall design file.dwg POND ROUTING BASIN MAP
Modified / By: January 31, 2022 3:48:51 PM / jslambro
Plotted / By: February 1, 2022 10:32:06 AM / Brian Brown



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