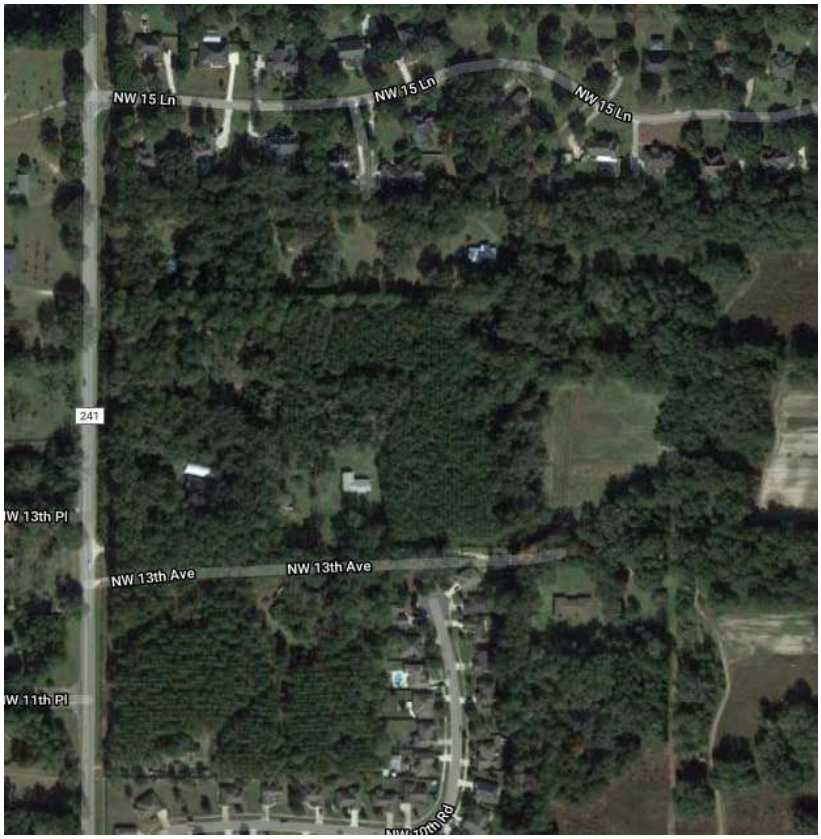
consultants inc.

DRAINAGE DESIGN NOTES

FOR

TARA ESMERALDA PHASE 2



Engineer of Record:
Meagan Dickey, PE
Cert. No. 85258

Submitted to:
Alachua County

Submitted:
July 3, 2023

DRAINAGE DESIGN NOTES

Prepared for

TARA ESMERALDA PHASE 2

Professional Engineer of Record:

Digitally signed by
Meagan Dickey, P.E.
Date: 2023.07.03
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Meagan Dickey, PE
Cert. No. 85258

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Attachments

DRAINAGE DESIGN NOTES

A. PROJECT NAME Tara Esmeralda Phase 2
Alachua County, Florida

B. PROJECT LOCATION

County: Alachua
Sections: 34 Township: 9 South Range: 18 East
General Location: Parcel 04289-000-000
Alachua, FL 32606

C. GENERAL PROJECT INFORMATION

The proposed development consists of a 16 lot residential subdivision with associated paving, grading, and utility improvements.

D. DRAINAGE AND DESIGN CRITERIA

1. Suwannee River Water Management District (SRWMD)
   Meet requirements of 40C-42.

2. Alachua County, Florida
   Meet requirements of Alachua County Land Development Code

E. SITE SOILS INFORMATION

Universal Engineering Sciences, Inc. conducted a subsurface investigation on the site and summarized their findings in the report No. 14682 dated July 29, 2020. A copy of the report is provided in Attachment A.

F. EXISTING SITE CONDITIONS

The existing site is mostly undeveloped with two single family residential homes and one abandoned building. The undeveloped portions of the site are lightly to moderately wooded.

G. DRAINAGE DESCRIPTION

1. Pre-development Conditions
   The site has a topography ranging from an elevation of 93 ft to 103 ft. Drainage area 1 sheet flows offsite to the north, and Drainage area 2 sheet flows offsite to the south where it is attenuated by the existing Strawberry Fields basin.

2. Post-development Conditions
   The proposed stormwater conveyance system consists of three above ground dry retention basins that will provide water quality treatment, recovery, and attenuation as required by the Suwannee River Water Management District and Alachua County, Florida.

   Pre- and Post-development conditions have been met as required by the Suwannee River Water Management District and the Alachua County, Florida.

EXECUTIVE SUMMARY

The Tara Esmeralda Phase 2 project proposes the construction of an additional 16 lots in a residential platted subdivison with associated utilities and stormwater improvements. A system of dry retentions ponds were constructed with Phase 1 to serve the proposed improvements.

The existing dry retention pond, Pre-Treatment Basin 1, is located in the center of the development. The Pre-Treatment Basin 1 provides the required pre-treatment volume per Alachua County (AC) requirements, as well as a portion of the required water quality treatment volume, and attenuation of the 100YR critical storm events including the 240HR (10 day) such that the post-development discharge rate and volumes are less than the pre-development discharge rates and volumes as required by Suwannee River Water Management District (SRWMD).

Basin 1 discharges directly to both Basin 2 and Basin 3. Basin 1 discharges to Basin 2 through the proposed sodded weir in the southeast corner of the basin, and to Basin 3 through the proposed outfall structure at the northern end of the basin. Basin 2 is a self contained dry retention pond that will provide the required water quality treatment volume and attenuation of the 100YR critical storm events.

Basin 3 is a dry retention pond that contains a forebay to provide additional pre-treatment volume in addition to what is provided in Basin 1 due to some of the development being routed directly to Basin 3 instead of Basin 1. Basin 3 discharges offsite to the northeast as in existing conditions.

Post-development drainage area 4 is unmodified and continues to sheet flow to the northeast as in existing conditions.

H. DRAINAGE DESIGN

1) PRE DEVELOPMENT DRAINAGE AREA

PRE DRAINAGE AREA-1	Area (sf)	Area (ac)	Curve CN
Existing Impervious	5,273	0.12	98.0
Basin	0	0.00	100.0
Open	523,920	12.03	61.0
TOTALS	**529,193**	**12.15**	**61.4**

2) POST DEVELOPMENT DRAINAGE AREAS

Note: All lots are considered to be 65% impervious area.

POST DRAINAGE AREA-1	Area (sf)	Area (ac)	Curve CN
Phase 1 & 2 Lots	157,597	3.62	85.0
Phase 1 & 2 Impervious	51,680	1.19	98.0
Pre-Treatment Basin-1	22,442	0.52	100.0
Open (Type B Soils)	118,835	2.73	61.0
TOTALS	**350,553**	**8.05**	**79.7**

POST DRAINAGE AREA-2	Area (sf)	Area (ac)	Curve CN
Impervious	0	0.00	98.0
Basin-2	12,632	0.29	100.0
Open (Type B Soils)	6,286	0.14	61.0
TOTALS	**18,918**	**0.43**	**87.0**

POST DRAINAGE AREA-3	Area (sf)	Area (ac)	Curve CN
Phase 1 Lots	47,320	1.09	85.0
Phase 1 Impervious	18,743	0.43	98.0
Basin-3	15,035	0.35	100.0
Open (Type B Soils)	65,882	1.51	61.0
TOTALS	**146,980**	**3.37**	**77.4**

POST DRAINAGE AREA-4	Area (sf)	Area (ac)	Curve CN
Impervious	0	0.00	98.0
Basin	0	0.00	100.0
Open (Type B Soils)	76,564	1.76	61.0
TOTALS	**76,564**	**1.76**	**61.0**

3) POST DEVELOPMENT BASIN STORAGE DATA

Pre-Treatment Basin-1

Stage (MSL)	Area (sf)	Area (ac)	Volume (cf)	Volume (ac-ft)
96.00	17,427	0.40	0	0.00
96.50	19,084	0.44	9,128	0.21
96.92	20,494	0.47	17,439	0.40
97.35	21,938	0.50	26,562	0.61
97.50	22,442	0.52	29,891	0.69
98.70	25,858	0.59	58,871	1.35

Basin-2

Stage (MSL)	Area (sf)	Area (ac)	Volume (cf)	Volume (ac-ft)
92.00	6,110	0.14	0	0.00
92.50	6,588	0.15	3,175	0.07
93.50	7,598	0.17	10,268	0.24
94.00	8,140	0.19	14,202	0.33
94.50	8,681	0.20	18,407	0.42
95.50	9,837	0.23	27,666	0.64
96.40	10,941	0.25	37,016	0.85
96.50	11,064	0.25	38,117	0.88
97.50	12,632	0.29	49,965	1.15
98.70	13,732	0.32	65,783	1.51

Basin-3 Forebay

Stage (MSL)	Area (sf)	Area (ac)	Volume (cf)	Volume (ac-ft)
92.00	3,135	0.07	0	0.00
93.00	4,100	0.09	3,618	0.08

Basin-3

Stage (MSL)	Area (sf)	Area (ac)	Volume (cf)	Volume (ac-ft)
93.00	8,935	0.21	0	0.00
93.50	9,812	0.23	4,687	0.11
94.50	11,112	0.26	15,149	0.35
94.75	11,331	0.26	17,954	0.41
95.50	11,986	0.28	26,698	0.61
96.50	13,289	0.31	39,335	0.90
97.50	15,035	0.35	53,497	1.23
98.60	16,346	0.38	70,757	1.62

4) WATER QUALITY TREATMENT VOLUME

The basins and pre-treatment basins provide water quality treatment volume per SRWMD criteria for dry retention basins.

Volume V1 = 2.00 inches over the total area

Drainage Area	Volume V1 (cf)	Treat. Vol Provided (cf)
DA 1	58,425	17,439
DA 2	3,153	49,965
DA 3	24,497	21,572
DA 4*	-	-
TOTAL	**86,075**	**88,975**

*No treatment volume is required for this drainage area as it is unmodified in post-development conditions and continues to sheet flow offsite as in existing conditions.

5) PRE-TREATMENT SIZING

Projects using retention BMPs within Sensitive Karst Areas are required to treat the first inch of runoff from the project area with one or more low impact design techniques separate from the dry retention basin(s).

Per the Alachua County Stormwater Treatment Manual, Table B1-1, the required volume shall be determined based on the percent of directly connected impervious area (DCIA) and the non-DCIA curve number. An annotated copy of the table can be found in Attachment J.

Percent DCIA Calculation	
Impervious Area (sf)	204,917
Total Disturbed Project Area	516,451
Percent DCIA	**40%**
Non-DCIA Curve Number	**61.0**

Requirement = 0.62 inches over the total disturbed (non stormwater) project area

The pre-treatment is provided by the proposed Pre-Treatment Basin.

Drainage Area	Disturbed Area (sf)	Karst Area (sf)	Stormwater Area (sf)	Non-SW Area (sf)	Volume Required (cf)	Volume Provided (cf)
1	296,894	296,894	39,590	257,304	13,294	17,439
3	146,980	146,980	16,346	130,634	6,749	3,618
TOTAL					**20,043**	**21,057**

6) SUBSURFACE INVESTIGATION INFORMATION

Based on the Soils Report No. 14682, dated July 29, 2020, prepared by GSE Engineering & Consulting, Inc. the recommendations of the soil characteristics are summarized below:

Soil Report No. 14682			
Basin ID	PT 1	Basin 2	Basin 3
Soil Boring No.	B3-B5, P11	B6, P11, P12	P4, P9, P10
Average Ground Elevation	101.00	98.00	97
Depth to Confined Layer (ft)	14.50	14.50	14.90
Confining Layer Elevation	86.50	83.50	82.10
Depth to SHWT Elevation (ft)	14.30	14.30	14.50
Seasonal High Water Table E	86.70	83.70	82.50
Vertical Infiltration Rate (ft/d)	4.00	4.00	2.00
Safety Factor	2.00	2.00	2.00
Design Vertical Rate (ft/d)	2.00	2.00	1.00
Horizontal Infiltration Rate (ft/c	6.50	6.50	3.00
Safety Factor	2.00	2.00	2.00
Design Horizontal Rate (ft/d)	3.25	3.25	1.50
Fillable porosity (%)	20.00	20.00	20.00

7) STRUCTURE INFORMATION

The stormwater management facilities will have a structure for discharge as follows:

CONTROL STRUCTURE	Pre-Treatment Basin-1
Weir Type	Trapezoidal Sod Lined Land Weir
Weir Elevation	97.06
Bottom Width (ft)	35.00
Side slopes (H:V)	4:1

CONTROL STRUCTURE	BASIN 1
	Weir
Invert Elevation	96.92
Area (sf)	6.00
Width (in)	24.00
Height (in)	36.00
Type	Horizontal*

Note: There are two outfalls from Pre-Treatment Basin 1. The sod-lined weir discharges to Basin 2, the outfall structure discharges to Basin 3.

*The outfall weir from Basin 1 which discharges to Basin 3 is to be the top of a concrete inlet structure. No weir shall be cut into the side of the structure.

CONTROL STRUCTURE	BASIN 3	
	Weir	**Weir**
Invert Elevation	94.75	95.50
Area (sf)	0.38	1.00
Width (in)	18.00	6.00
Height (in)	3.00	24.00
Type	Vertical	Vertical

8) RECOVERY OF TREATMENT VOLUME FOR DRY RETENTION SYSTEM

The criteria for the recovery of the system is the recovery of the required water quality volume within 72 hours following the critical storm event. The analysis of the WQTV recovery can be found in Attachment H.

WQTV Recovery	
Total WQTV (ac-ft):	1.9760
Recovery Time (hrs):	71.01

9) RECOVERY FOR DRY RETENTION SYSTEM

The criteria for the recovery of the system is the recovery of one half of the total volume within 7 days following the storm event, and the total volume within 30 days following the storm event. The volume recovery analysis can be found in Attachment I.

Pre-Treatment Basin-1 - One Half of Volume within Seven Days

Storm Event	1/2 Stage (Elevation)	Recovery (Days)	Back to Back Required	Back to Back Stage
100YR-001HR	96.77	0.13	No	N/A
100YR-002HR	96.75	0.13	No	N/A
100YR-004HR	96.84	0.13	No	N/A
100YR-008HR	96.90	0.07	No	N/A
100YR-024HR	96.62	0.17	No	N/A
100YR-072HR	96.60	0.88	No	N/A
100YR-168HR	96.59	1.43	No	N/A
100YR-240HR	96.64	1.22	No	N/A

Pre-Treatment Basin-1 - Total Volume within Thirty Days Recovery

Storm Event	Stage (Elevation)	Recovery (Days)	Back to Back Required	Back to Back Stage
100YR-001HR	96.00	0.46	No	N/A
100YR-002HR	96.00	0.46	No	N/A
100YR-004HR	96.00	0.48	No	N/A
100YR-008HR	96.00	0.46	No	N/A
100YR-024HR	96.00	0.84	No	N/A
100YR-072HR	96.00	2.90	No	N/A
100YR-168HR	96.00	4.43	No	N/A
100YR-240HR	96.00	5.33	No	N/A

Basin 2 - One Half of Volume within Seven Days Recovery

Storm Event	1/2 Stage (Elevation)	Recovery (Days)	Back to Back Required	Back to Back Stage
100YR-001HR	94.96	0.48	No	N/A
100YR-002HR	94.94	0.96	No	N/A
100YR-004HR	95.29	0.85	No	N/A
100YR-008HR	95.38	0.79	No	N/A
100YR-024HR	95.01	1.26	No	N/A
100YR-072HR	94.55	3.57	No	N/A
100YR-168HR	94.15	3.15	No	N/A
100YR-240HR	95.02	1.95	No	N/A

Basin 2 - Total Volume within Thirty Days Recovery

Storm Event	Stage (Elevation)	Recovery (Days)	Back to Back Required	Back to Back Stage
100YR-001HR	92.00	3.31	No	N/A
100YR-002HR	92.00	6.19	No	N/A
100YR-004HR	92.00	6.78	No	N/A
100YR-008HR	92.00	7.39	No	N/A
100YR-024HR	92.00	9.59	No	N/A
100YR-072HR	92.00	16.09	No	N/A
100YR-168HR	92.00	12.92	No	N/A
100YR-240HR	92.00	16.16	No	N/A

Basin 3 - One Half of Volume within Seven Days Recovery

Storm Event	1/2 Stage (Elevation)	Recovery (Days)	Back to Back Required	Back to Back Stage
100YR-001HR	94.53	0.58	No	N/A
100YR-002HR	94.89	0.23	No	N/A
100YR-004HR	95.34	0.14	No	N/A
100YR-008HR	95.41	0.11	No	N/A
100YR-024HR	95.03	0.07	No	N/A
100YR-072HR	94.96	0.03	No	N/A
100YR-168HR	94.78	0.17	No	N/A
100YR-240HR	95.05	0.0*	No	N/A

*One half the total volume has recovered prior to the end of the storm event, therefore this has already recovered when the storm event concludes, therefore resulting in a recovery time of 0.0 days.

Basin 3 - Total Volume within Thirty Days Recovery

Storm Event	Stage (Elevation)	Recovery (Days)	Back to Back Required	Back to Back Stage
100YR-001HR	93.00	10.20	No	N/A
100YR-002HR	93.00	12.62	No	N/A
100YR-004HR	93.00	14.82	No	N/A
100YR-008HR	93.00	15.85	No	N/A
100YR-024HR	93.00	18.42	No	N/A
100YR-072HR	93.00	22.65	No	N/A
100YR-168HR	93.00	28.21	No	N/A
100YR-240HR	93.00	29.84	Yes (94.90)	97.19

10) STORM ROUTING RESULTS

The computer program ICPR was used to route the critical design storms, the input data and results can be seen in Attachment G. The 'Runoff Area' is analyzed to compare the pre-existing runoff. Discharge rate and volume are reduced with the proposed design.

Storm	Pre-Treatment Basin-1		Basin 2		Basin 3	
Event	Stage	Freeboard (ft)	Stage	Freeboard (ft)	Stage	Freeboard (ft)
100YR-001HR	97.47	1.23	96.02	2.68	96.13	2.47
100YR-002HR	97.43	1.27	97.08	1.62	96.77	1.83
100YR-004HR	97.62	1.08	97.62	1.08	97.48	1.12
100YR-008HR	97.74	0.96	97.74	0.96	97.60	1.00
100YR-024HR	97.18	1.52	97.18	1.52	96.98	1.62
100YR-072HR	97.13	1.57	96.46	2.24	96.86	1.74
100YR-168HR	97.11	1.59	95.83	2.87	96.56	2.04
100YR-240HR	97.21	1.49	97.21	1.49	97.00	1.60

Storm	Basin 3		DA-4	
Event	Rate (cfs)	Volume (ac-ft)	Rate (cfs)	Volume (ac-ft)
100YR-001HR	2.83	0.42	4.79	0.15
100YR-002HR	4.76	0.91	4.29	0.24
100YR-004HR	7.27	1.92	2.99	0.37
100YR-008HR	7.68	2.90	3.66	0.51
100YR-024HR	5.46	4.90	1.29	0.87
100YR-072HR	5.05	6.15	1.03	1.22
100YR-168HR	4.09	7.53	0.75	1.51
100YR-240HR	5.52	8.53	0.98	1.78

Storm	Rate		Volume	
Event	Pre (cfs)	Post (cfs)	Pre (cfs)	Post (cfs)
100YR-001HR	26.44	7.62	1.06	0.57
100YR-002HR	23.79	9.05	1.67	1.15
100YR-004HR	19.97	10.26	2.58	2.29
100YR-008HR	23.84	11.34	3.54	3.41
100YR-024HR	8.84	6.75	6.04	5.77
100YR-072HR	7.14	6.08	8.48	7.37
100YR-168HR	5.21	4.84	10.48	9.04
100YR-240HR	6.81	6.50	12.35	10.31

Attachment A

Geotechnical Report by Universal Engineering Sciences

GSE Engineering & Consulting, Inc.

SUMMARY REPORT OF A GEOTECHNICAL SITE EXPLORATION

TARA ESMERALDA
ALACHUA COUNTY, FLORIDA

GSE PROJECT NO. 14682

Prepared For:

SAYED MOUKHTARA

FEBRUARY 2021

Certificate of Authorization No. 27430

GSE Engineering & Consulting, Inc.

February 11, 2021

Mr. Sayed Moukhtara
7717 NW 20th Lane
Gainesville, FL 32605

Subject: Summary Report of a Geotechnical Site Exploration
Tara Esmeralda
Alachua County, Florida
GSE Project No. 14682

Dear Mr. Moukhtara:

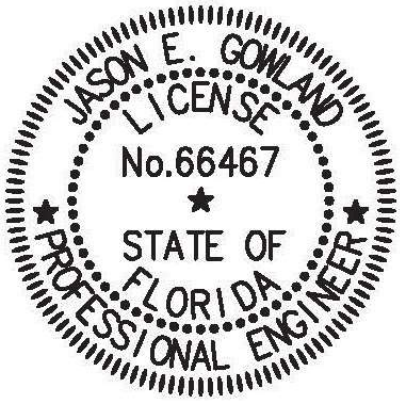
GSE Engineering & Consulting, Inc. (GSE) is pleased to submit this geotechnical site exploration report for the above referenced project.

Presented herein are the findings and conclusions of our exploration, including the geotechnical parameters and recommendations to assist with building foundation, pavement, and stormwater management designs.

GSE appreciates this opportunity to have assisted you on this project. If you have any questions or comments concerning this report, please contact us.

Sincerely,

GSE Engineering & Consulting, Inc.



This item has been digitally signed and sealed by
Jason E Gowland
Digitally signed by Jason E Gowland
Date: 2021.02.12 09:55:47 -05'00'
on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Kevin P. Fisher, E.I.
Staff Engineer

Jason E. Gowland, P.E.
Senior Engineer
Florida Registration No. 66467

KPF / JEG: maj
Z:Projects\ 14682 Tara Esmeralda / 14682.doc

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File (1)

GSE Engineering & Consulting, Inc.
5590 SW 64th Street, Suite B
Gainesville, Florida 32608
(352) 377-3233 Phone ◆ (352) 377-0335 Fax
www.gseengineering.com
Certificate of Authorization No. 27430

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LIST OF FIGURES

Figure

1.0 INTRODUCTION

1.1 General

GSE Engineering & Consulting, Inc. (GSE) has completed this geotechnical exploration for the proposed Tara Esmeralda located in Alachua County, Florida. This exploration was performed in accordance with GSE Proposal No. 2020-229A Rev. 1 dated June 24, 2020. You authorized our services on June 24, 2020.

1.2 Project Description

This project will consist of a 24-lot residential development. The site is located on the north side of NW 13th Avenue approximately 1,000 feet west of CR 241N.

The project will consist of approximately 24 residential lots, roadways and stormwater management facilities. Additionally, we anticipate that the existing NW 13th Avenue will be improved from a graded road to a paved road from CR 241N to the entrance to the project.

eda Consultants, Inc. (eda) provided a preliminary site layout plan that was used in the preparation of this exploration. After our soil borings were completed, the site layout progressed and changed, and eda provided Sheet C200 Paving, Grading and Drainage Plan of the proposed development. Site grades range from about 96 feet to 103 feet, with most grades in the range of 98 to 101 feet. The proposed building pads will be set at elevations ranging from 99.5 feet to 102 feet, and most building pads will be constructed near existing grade or on up to about 3 feet of fill.

Stormwater management facilities will be located at the northeast corner and central portions of the site. An additional off-site stormwater management facility will be located south of NW 13th Avenue.

The project will have one street approximately 1,100 feet in length. Residential lots will generally be located on both sides of the street.

Mr. Kenneth L. Hill, P.E. with GSE visited the site to observe the site conditions and access. The southwest quadrant of the site is mostly open with an occupied residence. The remainder of the site is planted in pine trees that are 30 to 40 feet tall. The pine rows appear to be 10 or more feet apart, but are grown up with brush and small trees.

A recent aerial photograph of the site was obtained. The Paving, Grading, and Drainage Plan and aerial photograph were used in preparation of this exploration and report.

1.3 Purpose

The purpose of this geotechnical exploration was to determine the general subsurface conditions, evaluate these conditions with respect to the proposed construction, and prepare geotechnical parameters and recommendations to assist with building foundation, stormwater management, and pavement designs.

2.0 FIELD AND LABORATORY TESTS

2.1 General Description

The procedures used for field sampling and testing are in general accordance with industry standards of care and established geotechnical engineering practices for this geographic region. This exploration consisted of performing eight (8) Standard Penetration Test (SPT) borings to depths of 20 feet below land surface (bls) within the building lots, six (6) auger borings to depths of 10 feet bls along NW 13th Avenue, twelve (12) auger borings to depths of 15 and 30 feet bls in the area of the proposed stormwater management facilities and observing eighty-eight (88) test pits that were excavated to approximately 4.5 to 6 feet bls within the building lots and along the roadway alignments within the development.

The soil borings and test pits were performed at the approximate locations as shown on Figure 2. The borings and test pits were located at the site using the provided site plan and obvious site features as reference. The boring and test pit locations should be considered approximate. The soil borings and test pits were performed from July 9 through 20, 2020.

2.2 Auger Borings

The auger borings were performed in accordance with ASTM D1452. The borings were performed with flight auger equipment that was rotated into the ground in a manner that reduces soil disturbance. After penetrating to the required depth, the auger was retracted and the soils collected on the auger flights were field classified and placed in sealed containers. Representative samples of each stratum were retained from the auger boring. Results from the auger borings are provided in Section 5.1.

2.3 Standard Penetration Test Borings

The soil borings were performed with a drill rig employing rotary drilling techniques and Standard Penetration Testing (SPT) in accordance with ASTM D1586. The SPTs were performed continuously to 10 feet and at 5-foot intervals thereafter. Soil samples were obtained at the depths where the SPTs were performed. The soil samples were classified in the field, placed in sealed containers, and returned to our laboratory for further evaluation.

After drilling to the sampling depth, the standard two-inch O.D. split-barrel sampler was seated by driving it 6 inches into the undisturbed soil. Then the sampler was driven an additional 12 inches by blows of a 140-pound hammer falling 30 inches. The number of blows required to produce the next 12 inches of penetration were recorded as the penetration resistance (N-value). These values and the complete SPT boring logs are provided in Section 5.2.

Upon completion of the sampling, the boreholes were abandoned in accordance with Water Management District guidelines.

2.4 Test Pits

The test pits were excavated by American Site & Utilities, Inc. using a backhoe. The test pits were approximately 2.5 feet wide by 8 feet long, and extended to depths of about 4.5 to 6 feet below land surface. The soil strata were logged based upon our observation of the soils in the sides of the test pits, and soil samples were collected from the spoil pile adjacent to the test pits. The test pit logs are included in Section 5.3.

Upon completion of the sampling, the test pit excavations were backfilled with the excavated soils.

2.5 Soil Laboratory Tests

The soil samples recovered from the soil borings were returned to our laboratory, and examined to confirm the field descriptions. Representative samples were then selected for laboratory testing. The laboratory tests consisted of eighteen (18) percent soil fines passing the No. 200 sieve determinations, eighteen (18) natural moisture content determinations, five (5) Atterberg Limits tests, and six (6) constant head hydraulic conductivity tests. These tests were performed in order to aid in classifying the soils and to further evaluate their engineering properties. The laboratory tests are provided in Section 5.4.

3.0 FINDINGS

3.1 Surface Conditions

Mr. Kevin P. Fisher, E.I. with GSE visited the site on July 8, 2020 and July 9, 2020 to observe the site conditions, mark the boring and test pit locations, and log the test pits. Mr. Jason Kite with Jason Kite, LLC was retained by GSE to clear lanes to allow access to the boring and test pit locations for drilling and excavation equipment.

The southwest quadrant of the site is mostly open with an occupied residence. The remainder of the site is planted in pine trees that are 30 to 40 feet tall. The pine rows appear to be 10 or more feet apart, but are grown up with brush and small trees. The site is bordered by NW 13th Avenue to the south.

The topography at the site is gently to moderately sloping down toward the northeast from the southwest. Regional topography is gently rolling hills. The provided conceptual plan indicates the ground surface elevations at the site are near elevations 93 to 104 feet[1].

3.2 Subsurface Conditions

The locations of the auger borings, SPT borings, and test pits are provided on Figure 2. Complete logs for the borings and test pits are provided in Sections 5.1, 5.2, and 5.3. Descriptions for the soils encountered are accompanied by the Unified Soil Classification System symbol (SM, SP-SM, etc.) and are based on visual examination of the recovered soil samples and the laboratory tests performed. Stratification boundaries between the soil types should be considered approximate, as the actual transition between soil types may be gradual.

The auger borings located in the proposed stormwater management facilities indicate the soils across these areas are relatively variable. The auger borings initially penetrated 1 to 8 feet of a near-surface sandy stratum consisting of poorly graded sand, sand with silt, and sand with clay (SP, SP-SM, SP-SC). This was underlain by clayey to very clayey sand (SC, SC/CL) to the depths of 6.5 to 30 feet bls overlying clay-rich soils consisting sandy clay, clay with sand and clay (CL/CH) to depths of 11.5 to 21 feet bls. This was underlain by limestone to the explored depths of 15 to 30 feet bls when encountered.

The auger borings located along NW 13th Avenue generally encountered a near-surface sandy stratum consisting of poorly graded sand and sand with silt (SP, SP-SM) to depths of 1 to 10 feet bls. This was underlain by clayey to very clayey sand (SC, SC/CL) to the boring termination depths of 10 feet bls.

The test pits along the roadway alignments within the development generally encountered a near-surface sandy stratum consisting of poorly graded sand and sand with silt (SP, SP-SM) to depths of 1 to 6 feet bls. This was underlain by clayey to very clayey sand (SC, SC/CL) to the test pit termination depths of 6 feet bls.

[1] Soil Boring Exhibit, eda Consultants, Inc. July 1, 2020

The test pits within the building lots indicate the soils across these areas are relatively consistent. The test pits encountered a near-surface sandy stratum consisting of poorly graded sand and sand with silt (SP, SP-SM) to depths of 0.5 to 6 feet bls. This was underlain by clayey to very clayey sand (SC, SC/CL) to depths of 3 to 6 feet bls when encountered. Test pits TP-7, TP-8, TP-19, TP-23, TP-29, TP-50, and TP-53 encountered clay-rich soils consisting of sandy clay, clay with sand, and clay (CL/CH) beginning at depths of approximately 1 to 5 feet bls. Test pit TP-78 encountered limestone at a depth of 3 feet bls.

The SPT borings within the proposed building lots generally encountered a 3 to 20 feet thick stratum of poorly graded sand, sand with silt, and sand with clay (SP, SP-SM, SP-SC). This was underlain by interbedded strata of clayey to very clayey sand and sand with clay (SC, SC/CL, SP-SC) to depths of 13.5 to 20 feet bls. SPT borings B-1, B-4, and B-8 encountered clay-rich soils consisting of sandy clay, clay with sand, and clay (CL/CH) underlying the clayey to very clayey sand and sand with clay (SC, SC/CL, SP-SC) beginning at depths of approximately 13.5 to 18.5 feet bls. SPT boring B-4 also encountered a stratum of clay with sand (CL/CH) interbedded in the clayey sand (SC) from 5 to 6.5 feet bls.

The surficial layer of poorly graded sand, sand with silt, and sand with clay (SP, SP-SM, SP-SC) is generally in a very loose to dense condition with N-values ranging from 2 to 43 blows per foot. The underlying clayey to very clayey sand and sand with clay (SC, SP-SC) is generally in a very loose to very dense condition with N-values ranging from 4 to 72 blows per foot. The clay-rich soils (CH) encountered in SPT borings B-1, B-4, and B-8 are generally in a stiff to very stiff condition with N-values ranging from 15 to 26 blows per foot.

The groundwater table was not encountered in the auger borings, SPT borings, and test pits at the time of our investigation.

3.3 Review of Published Data

The majority of the site is mapped as three soil series by the Soil Conservation Service (SCS) Soil Survey for Alachua County[2]. The following soil descriptions are from the Soil Survey.

Millhopper sand, 0 to 5 percent slopes **–** This nearly level to gently sloping, moderately well-drained soil is in small and large irregularly shaped areas on uplands and on slightly rolling knolls in the broad flatwoods. Slopes are mostly nearly smooth or convex. The areas are variable in size. They range from about 10 to 250 acres.

Typically, the surface layer is dark grayish brown sand about 9 inches thick. The subsurface layer is sand or fine sand about 49 inches thick. The upper 17 inches is yellowish brown, the next 22 inches is light yellowish brown, and the lower 10 inches is very pale brown. The subsoil extends to a depth of 89 inches. The upper 6 inches is yellowish brown loamy sand that has grayish and brownish mottles; the next 22 inches is light gray, mottled sandy clay loam; and the lower 3 inches is light gray, mottled sandy loam.

[2] Soil Survey of Alachua County, Florida. Soil Conservation Service, U.S. Department of Agriculture.

Included with this soil in mapping are small areas of Arredondo, Bonneau, Fort Meade, Gainesville, Kanapaha, Lochloosa, and Sparr soils. Siliceous limestone boulders and small sinks are within some delineations. Small areas of Millhopper soils that have 5 to 8 percent slopes are also included. About 25 acres mapped as this Millhopper soil along the Santa Fe River is occasionally flooded. Total included areas are about 20 percent or less.

This Millhopper soil has a water table that is at a depth of 40 to 60 inches for 1 to 4 months and at a depth of 60 to 72 inches for 2 to 4 months during most years. The available water capacity is low in the surface and subsurface layers and is low to medium in the subsoil. Permeability is rapid in the surface and subsurface layers, moderately rapid in the upper 6 inches of the subsoil, and slow to moderately slow below this depth. Natural fertility is low. Organic matter content is low to moderately low.

Kendrick sand, 2 to 5 percent slopes **–** This gently sloping, well-drained soil is in both small and large areas on the gently rolling uplands. These areas are mostly irregularly shaped or elongated and range from about 20 to 200 acres.

Typically, the surface layer is dark grayish brown sand about 9 inches thick. The subsurface layer is yellowish brown loamy sand to a depth of 26 inches. The subsoil extends to a depth of 90 inches or more. The upper 5 inches is yellowish brown fine sandy loam; the next 20 inches is dark yellowish brown, mottled sandy clay loam; the next 22 inches is dark yellowish brown sandy clay loam; the next 10 inches is yellowish brown, mottled fine sandy loam; and the lower 7 inches is yellowish brown sandy clay loam.

Included with this soil in mapping are some small areas of soils that have similar characteristics to the Kendrick soils except that they have loamy sand surface and subsurface layers less than 20 inches thick over a sandy clay loam subsoil. Small areas of soils that are similar to the Kendrick soils but have fine sand surface and subsurface layers or have a subsoil that is sandy clay throughout are included. Also included are small areas of Arredondo, Blichton, Bonneau, Lochloosa, and Norfolk soils. A few areas of Kendrick soils have 0 to 2 percent slopes to 5 to 8 percent slopes. Small moderately eroded spots are in a few areas. Sinkholes and limestone boulders are in some areas and are shown by appropriate symbols. Total included areas are about 15 percent.

In this Kendrick soil, the available water capacity is low in the surface and subsurface layers, medium in the upper 5 inches of the subsoil, and medium to high below this depth. Permeability is rapid in the surface and subsurface layers. Permeability is moderate to moderately rapid in the upper 5 inches of the subsoil, moderately slow to moderate in the next 42 inches, slow in the lower 17 inches. Organic matter content is low to moderately low in the surface layer. The water table is more than 72 inches below the surface. Surface runoff is moderately slow.

Norfolk loamy fine sand, 2 to 5 percent slopes **–** This gently sloping, well-drained soil is in relatively small areas on the rolling uplands. Slopes are slightly convex. The areas are irregular in shape and range from about 10 to 50 acres.

Typically, the surface layer is dark grayish brown loamy fine sand about 9 inches thick. The subsoil extends to a depth of 62 inches. The upper 6 inches is yellowish brown fine sandy loam; the next 26 inches is dark yellowish brown sandy clay loam; the next 14 inches is dark yellowish brown sandy clay, and the lower 7 inches is dark yellowish brown clay that has gray mottles. Between depths of 62 and 80 inches, the underlying material is light gray, mottled clay.

Included with this soil in mapping are small areas of Bivans, Kendrick, Lochloosa, and Micanopy soils. Included in some areas are small areas of Norfolk soils that have slopes of 0 to 2 percent and 5 to 8 percent. Limestone boulders and sinkholes are in some areas and are shown by appropriate symbols. Total included areas are about 15 percent.

This Norfolk soil has a water table that is at a depth of about 48 to 72 inches for 1 to 3 months during most years. Surface runoff is medium. The available water capacity is low in the surface layer and medium to high in the subsoil. Permeability is rapid in the surface layer, moderately slow to moderate in the upper part of the subsoil, and very slow to slow in the lower part. Natural fertility is low in the sandy surface and subsurface layers and medium in the sandy clay loam and sandy clay subsoil. Organic matter content is low to moderately low.

3.4 Laboratory Soil Analysis

Selected soil samples recovered from the soil borings were analyzed for the percent soil fines passing the No. 200 sieve, natural moisture content, Atterberg Limits, and hydraulic conductivity. Samples selected for laboratory testing were collected at depths ranging from 0 to 10 feet bls. These tests were performed to confirm visual soil classification and evaluate their engineering properties. The complete laboratory report is provided in Section 5.4.

The laboratory tests indicate the tested soils consist of sand with silt, very clayey sand, sandy clay, clay with sand, and clay. The tested sand with silt (SP-SM) contains approximately 5.7 to 10 percent soil fines passing the No. 200 sieve with natural moisture contents of about 1.6 to 15 percent. The tested very clayey sand (SC/CL) contains approximately 34 to 48 percent soil fines passing the No. 200 sieve with natural moisture contents of about 15 to 27 percent. The tested sandy clay (CL/CH) contains approximately 55 to 60 percent soil fines passing the No. 200 sieve with natural moisture contents of about 30 to 35 percent. The tested clay with sand (CL/CH) contains approximately 70 to 74 percent soil fines passing the No. 200 sieve with natural moisture contents of about 33 to 36 percent. The tested clay (CL/CH) contains approximately 88 percent soil fines passing the No. 200 sieve with a natural moisture content of about 45 percent.

Atterberg Limits tests indicate the tested very clayey sand (SC/CL) has a Liquid Limit (LL) value of 39, Plastic Limit (PL) value of 18, and Plasticity Index (PI) value of 21. This corresponds to a material with low potential (LL < 50 and PI < 25) for expansive behavior[3]. The tested sandy clay (CL/CH) has a LL value of 54, PL value of 21, and PI value of 33. This corresponds to a material with marginal potential (50 ≤ LL ≤ 60 and 25 ≤ PI ≤ 35) for expansive behavior. The tested clay with sand (CL/CH) has LL values of 58 and 73, PL values of 23 and 25, and PI values of 35 and 48. This corresponds to a material with marginal (50 ≤ LL ≤ 60 and 25 ≤ PI ≤ 35) to high (LL > 60 and PI > 35) potential for expansive behavior. The tested clay (CL/CH) has a LL value of 94, PL value of 32, and PI value of 62. This corresponds to a material with high potential (LL > 60 and PI > 35) for expansive behavior.

The constant head hydraulic conductivity test results indicate the near-surface sand with silt has hydraulic conductivity values of 5.1 to 19 feet per day. Tests were not conducted on the deeper clayey sand due to the limitations of the test method on soils having moderate to high fines content, but these soils are expected to have permeability values at least one order of magnitude lower than the sandy soils.

[3] U.S. Department of the Army USA, 1983, Foundations in Expansive Soils, TM 5-818-7, p. 4-1.

4.0 EVALUATION AND RECOMMENDATIONS

4.1 General

The following recommendations are made based upon our understanding of the proposed construction, a review of the attached soil borings, test pits, laboratory test data, and experience with similar projects and subsurface conditions. If plans or the location of proposed construction changes from those discussed previously, GSE requests the opportunity to review and possibly amend our recommendations with respect to those changes.

The final design of a foundation system is dependent upon adequate integration of geotechnical and structural engineering considerations. Consequently, GSE must review the final foundation design in order to evaluate the effectiveness and applicability of our initial analyses, and to determine if additional recommendations may be warranted. Without such a review, the recommendations presented herein could be misinterpreted or misapplied resulting in potentially unacceptable performance of the foundation system.

The performance of site improvements may be sensitive to their post-construction relationship to site groundwater levels, seepage zones, or soil/rock characteristics exposed at final site grades. GSE recommends that use of boring information for final design of all site improvements be predicated on proper horizontal and vertical control of borings.

In this section of the report, we present our geotechnical parameters and recommendations to assist with building foundation, stormwater management, and pavement designs as well as our general site preparation guidelines.

4.2 Groundwater

The groundwater table was not encountered in the borings or test pits at the time of our exploration. The soil borings and test pits indicate the site is perforated and should not have a continuous surficial groundwater table. However, you should expect water to temporarily perch on top of the clayey to very clayey sand after periods of heavy and seasonal rainfall.

4.3 Building Foundations

The soil borings and test pits indicate the soils at the site are relatively consistent. The borings generally encountered a 3 to 20 feet thick stratum of poorly graded sand, sand with silt, and sand with clay (SP, SP-SM, SP-SC). This was underlain by interbedded strata of clayey to very clayey sand and sand with clay (SC, SC/CL, SP-SC) to depths of 13.5 to 20 feet bls. SPT borings B-1, B-4, and B-8 encountered clay-rich soils consisting of sandy clay, clay with sand, and clay (CL/CH) underlying the clayey to very clayey sand and sand with clay (SC, SC/CL, SP-SC) beginning at depths of approximately 13.5 to 18.5 feet bls. SPT boring B-4 also encountered a stratum of clay with sand (CL/CH) interbedded in the clayey sand (SC) from 5 to 6.5 feet bls.

The test pits encountered a near-surface sandy stratum consisting of poorly graded sand and sand with silt (SP, SP-SM) to depths of 0.5 to 6 feet bls. This was underlain by clayey to very clayey sand (SC, SC/CL) to depths of 3 to 6 feet bls when encountered. Test pits TP-7, TP-8, TP-19, TP-23, TP-29, TP-50, and TP-53 encountered clay-rich soils consisting of sandy clay, clay with sand, and clay (CL/CH) beginning at depths of approximately 1 to 5 feet bls. Test pit TP-78 encountered limestone at a depth of 3 feet bls.

In most cases, the expansive soils are 4+ feet below land surface, but occasionally begin just below land surface, such as in TP-7, TP-8, TP-23, and TP-53. Therefore, it is our opinion the proposed buildings can be supported by conventional, shallow foundations after performing selective remediation of clay-rich soils. Where clay-rich soils are present on the building pads, GSE recommends these soils be undercut to a depth of 4 feet below the foundation bottom elevation and replaced with clayey sand fill. A discussion of the expected undercutting is described later in Section 4.5.4.

Based upon the soil conditions encountered and our limited understanding of the structural loads and site grading, we recommend the building be supported by conventional, shallow strip and/or spread foundations. We recommend the shallow foundations be designed for a maximum allowable gross bearing pressure of 2,000 psf. The gross bearing pressure is defined as the soil contact pressure that can be imposed from the maximum structural loads, weight of the concrete foundations, and weight of the soil above the foundations. The foundations should be designed based upon the maximum load that could be imposed by all loading conditions.

The foundations should be embedded a minimum of 18 inches below the lowest adjacent grade. Interior foundations or thickened sections should be embedded a minimum of 12 inches. The foundations should have minimum widths of 18 inches for strip footings, and 24 inches for columns, even though the maximum soil bearing pressure may not be fully developed.

Due to the mostly sandy nature of the majority of the near-surface soils, we expect settlement to be mostly elastic in nature. The majority of the settlement will occur on application of the loads, during and immediately following construction. Using the recommended maximum bearing pressure, the assumed maximum structural loads, and the field and laboratory test data which we have correlated into the strength and compressibility characteristics of the subsurface soils, we estimate the total settlements of the structure to be 1 inch or less, with approximately half of it occurring upon load application (during construction).

Differential settlement results from differences in applied bearing pressures and the variations in the compressibility characteristics of the subsurface soils. For the building pad prepared as recommended, we anticipate differential settlement of less than 1/2 inch.

Post-construction settlement of the structures will be influenced by several interrelated factors, such as (1) subsurface stratification and strength/compressibility characteristics of the bearing soils; (2) footing size, bearing level, applied loads, and resulting bearing pressures beneath the foundation; (3) site preparation and earthwork construction techniques used by the contractor, and (4) external factors, including but not limited to vibration from off-site sources and groundwater fluctuations beyond those normally anticipated for the naturally-occurring site and soil conditions which are present.

Our settlement estimates for the structure are based upon our limited understanding of the structural loads and site grading and the use of successful adherence to the site preparation recommendations presented later in this report. Any deviation from our project understanding and/or our site preparation recommendations could result in an increase in the estimated post-construction settlement of the structure.

4.4 Flexible Pavement

Overall soil conditions encountered by our borings at this site are suitable for supporting conventional limerock base and asphalt wearing surface pavements. We have not been provided the anticipated traffic loading conditions; therefore, the following pavement component recommendations should be used only as guidelines. The below recommendations are intended to be minimums. Increasing base course and asphalt thicknesses would increase the design life of the pavement.

We recommend a minimum separation of 24 inches be present between the bottom of the base course and the top of the clay-rich soils containing greater than about 25 percent soil fines. Review of the boring logs suggests this separation will likely be present along the majority of the alignment within the development as well as along NW 13th Avenue. However, the clay-rich soils approached within 24 inches of grade at boring location R-4. A roadway grading plan is not available at this time. The presence of shallow clay-rich soils is expected to be sporadic and not easily predicted without a grading plan.

In areas where the minimum 24 inch separation is not able to be achieved through grading design, we recommend these soils be undercut. The undercut should extend a minimum of 24 inches beneath the bottom of the base course. The undercut should extend laterally until the clay-rich soils are no longer encountered and free-draining sandy soils have been penetrated. The undercut should be backfilled with either on-site or imported sandy free-draining soils containing less than 10 percent soil fines. The backfill should be placed in maximum 24-inch loose lifts that are compacted to a minimum 95 percent of the Modified Proctor maximum dry density (ASTM D1557).

The temporarily perched seasonal high groundwater table is estimated to be approximately 6 to 24 inches beneath existing grade at some of the roadway boring and test pit locations at the site. We recommend a minimum of either 12 to 24 inches of separation (depending upon the pavement section design) be present between the bottom of the base course and the estimated seasonal high groundwater table. If this separation cannot be achieved by site grading, GSE recommends underdrains be used beneath the base course. Additionally, this shallow perched groundwater table is related to the shallow depth of the clay-rich soils. In some areas, it may be necessary to undercut the clay-rich soils, which may lower the perched groundwater table.

4.4.1 Stabilized Subgrade

If a crushed limerock or recycled concrete base is used, we recommend a stabilized subgrade be located beneath the base. The stabilized subgrade should have a minimum Limerock Bearing Ratio (LBR) of 40, with minimum thicknesses of 6 inches for automobile parking areas and 12 inches for driveways.

The stabilized subgrade can be imported material or a mixture of imported and on-site material. If a mix is proposed, a mix design should be performed to determine the optimum mix proportions. The stabilized subgrade should be compacted to a minimum of 98 percent of the Modified Proctor maximum dry density (ASTM D1557) for soils with less than 15 percent fines content. Soils with 15 percent or greater fines content should be compacted to 100 percent of the Standard Proctor maximum dry density (ASTM D698).

4.4.2 Base Course

The base course can consist of either crushed limerock, soil cement, or recycled concrete. If you should use a soil cement base course, a stabilized subgrade is not required.

Limerock should have a LBR of at least 100, be obtained from a FDOT approved source and meet FDOT gradation requirements. The base course thickness should be a minimum of 6 inches in automobile parking areas, and 8 inches in driveway areas. The base course should be compacted to at least 98 percent of the Modified Proctor maximum dry density (ASTM D1557). We recommend a minimum 24 inches separation between the bottom of the limerock base course and the estimated seasonal high-water table. If site grading does not allow for this separation, we recommend underdrains be considered.

Soil cement can consist of an imported material or a blend of the on-site soils and cement. A mix design should be performed to determine the optimum cement content. We recommend the soil cement have a minimum 28-day compressive strength of 500 psi. Soil cement can be blended off-site (in a pug mill) or on site. Soil cement pills should be cast from each day's production to verify the recommended compressive strength has been achieved at 28 days. We recommend the soil cement base course be a minimum of 8 inches thick throughout the project. We recommend a minimum 18 inches separation between the bottom of the soil cement base course and the estimated seasonal high water table. If site grading does not allow for this separation, we recommend underdrains be considered.

Recycled concrete should have an LBR of at least 150, be obtained from a FDOT approved source and meet FDOT gradation requirements. The base course thickness should be a minimum of 8 inches. The base course should be compacted to at least 98 percent of the Modified Proctor maximum dry density (ASTM D1557). We recommend a minimum 12 inches separation between the bottom of the recycled concrete base course and the estimated seasonal high water table. If site grading does not allow for this separation, we recommend underdrains be considered.

4.4.3 Wearing Surface

The asphalt-wearing surface should consist of an FDOT Type SP Hot Mix Asphalt mixture. For automobile parking areas, the thickness should be a minimum of 1.5 inches. For driveway areas, the thickness should be a minimum of 2 inches. The asphalt-wearing surface should consist of an SP-12.5 mix. The asphalt should be compacted to at least 95 percent of the mix design density.

The constructability of differing asphalt thicknesses may be difficult, and having a uniform 2-inch thick asphalt wearing surface may be more practical.

4.5 Site Preparation

The soils at this site should be suitable for supporting the proposed construction using normal, good practice site preparation procedures. Selective undercutting may be required at select building pads. The following recommendations are our general guidelines for site preparation.

4.5.1 Stripping

Strip the construction limits and 10 feet beyond the perimeter of all grass, roots, topsoil, pavement, and other deleterious materials. You should expect to strip to depths of 12 or more inches. Deeper stripping will likely be necessary due to major root systems present at the site.

4.5.2 Dewatering

Temporary dewatering is not expected to be necessary for this project. However, if needed, we anticipate dewatering can be accomplished with sumps placed near the construction area, or with underdrains connected to a vacuum pump.

In any case, the site should always be graded to promote runoff and limit the amount of ponding. Localized ponding of stormwater is expected without proper grading during construction, and could render previously acceptable surfaces unacceptable.

4.5.3 Proof-Rolling

Proof-roll the subgrade with heavy rubber-tired equipment, such as a loaded front-end loader or dump truck, to identify any loose or soft zones not found by the soil borings. The proof-rolling should be monitored by a geotechnical engineer or qualified technician. Undercut or otherwise treat these zones as recommended by the geotechnical engineer in this report.

4.5.4 Undercutting

Selective undercutting is anticipated at some building locations. GSE recommends a minimum 4 feet separation between the foundation bottoms and expansive soils. Undercut excavations should occur for the entire building pad limits. The first 2 feet of backfill should consist of clayey sand having between 15 and 30 percent soil fines passing the No. 200 sieve, or crushed limestone base material. The remainder of the backfill should consist of sand having less than 20 percent soil fines passing the No. 200 sieve. Clayey sand backfill should be compacted to a minimum of 98 percent of the Standard Proctor maximum dry density (ASTM D698). Limerock backfill should be compacted to a minimum of 98 percent of the Modified Proctor maximum dry density (ASTM D1557). Sand fill should be compacted to a minimum of 95 percent of the Modified proctor maximum dry density. The expected site preparation at each building pad is discussed below.

Building 1 – The finished pad grade for Building 1 is 102 feet. Ground elevations range from about 100 to 102 feet. Most of the building pad will be filled a couple of feet while the northeast corner will be close to at grade. The soils at this building pad consist mostly of sand and clayey sand. Undercutting of unsuitable clay is not anticipated at this building pad. However, due to the potential of variable conditions, GSE recommends that additional test pits be excavated in the northwest portion of this building pad to determine whether undercutting is necessary.

Building 2 – The finished pad grade for Building 2 is 102 feet. Ground elevations range from about 100 to 102 feet. Most of the building pad will be filled a couple of feet while the northeast corner will be close to at grade. The soils at this building pad consist mostly of sand and clayey sand. Undercutting of unsuitable clay is not anticipated at this building pad. However, due to the potential of variable conditions, GSE recommends that additional test pits be excavated in the northeast portion of this building pad to determine whether undercutting is necessary.

Building 3 – The finished pad grade for Building 3 is 102 feet. Ground elevations range from about 100 to 102 feet. Most of the building pad will be filled a couple of feet while the northwest corner will be close to at grade. The soils at this building pad consist mostly of very clayey sand and clay-rich soils consisting of clay and clay with sand. Undercutting of unsuitable clay is anticipated at the northern portion of this building pad and should proceed to the south until suitable soils are encountered. Standard stripping, proof-rolling and filling is anticipated for the remainder of the lot that is not undercut.

Building 4 – The finished pad grade for Building 4 is 102 feet. Ground elevations range from about 98 to 101 feet. Most of the building pad will be filled a few feet. The soils at this building pad consist mostly of sand and clayey sand. Undercutting of unsuitable clay is not anticipated at this building pad. However, due to the potential of variable conditions, GSE recommends that additional test pits be excavated in the southwest portion of this building pad to determine whether undercutting is necessary.

Building 5 – The finished pad grade for Building 5 is 101.5 feet. Ground elevations range from about 97 to 101 feet. Most of the building pad will be filled a few feet while the southwest corner will be close to at grade. The soils at this building pad consist mostly of sand and clayey sand. Undercutting of unsuitable clay is not anticipated at this building pad. However, due to the potential of variable conditions, GSE recommends that additional test pits be excavated in the southwest portion of this building pad to determine whether undercutting is necessary.

Building 6 – The finished pad grade for Building 6 is 101 feet. Ground elevations range from about 96 to 99 feet. Most of the building pad will be filled a few feet. The soils at this building pad consist mostly of 1 foot of sand overlying very clayey sand and clay-rich soils consisting of sandy clay, but this location will be filled 2 to 5 feet. Undercutting of unsuitable clay is anticipated at the southeast portion of this building pad. Standard stripping, proof-rolling and filling is anticipated for the remainder of the lot.

Building 7 – The finished pad grade for Building 7 is 100 feet. Ground elevations range from about 95 to 97 feet. Most of the building pad will be filled a few feet. The soils at this building pad consist mostly of 2 feet of sand overlying clay-rich soils consisting of clay with sand and clay, but this location will be filled about 3 to 5 feet. No undercutting of unsuitable clay is anticipated at this building pad. Standard stripping, proof-rolling and filling of the lot is expected.

Building 8 – The finished pad grade for Building 8 is 99.5 feet. Ground elevations range from about 93 to 97 feet. Most of the building pad will be filled a few feet. The soils at this building pad consist mostly of 2 feet of sand overlying clay-rich soils consisting of clay with sand and clay, but this location will be filled about 2.5 to 6.5 feet. No undercutting of unsuitable clay is anticipated at this building pad. Standard stripping, proof-rolling and filling of the lot is expected.

Building 9 – The finished pad grade for Building 9 is 99.5 feet. Ground elevations range from about 92 to 96 feet. Most of the building pad will be filled several feet. The soils at this building pad consist mostly of sand and clayey sand. Undercutting of unsuitable clay is not anticipated at this building pad.

Building 10 – The finished pad grade for Building 10 is 99.5 feet. Ground elevations range from about 96 to 99 feet. Most of the building pad will be filled a few feet while the eastern portion of the site will be close to grade. The soils at this building pad consist mostly of 1 foot of sand overlying very clayey sand, but this location will be filled 2 to 5 feet. Undercutting of unsuitable clay is anticipated at the eastern portion of this building pad. Standard stripping, proof-rolling and filling is anticipated for the remainder of the lot.

Building 11 – The finished pad grade for Building 11 is 100.75 feet. Ground elevations range from about 97 to 101 feet. Most of the building pad will be filled a few feet, while the eastern portion will be close to grade. The soils at this building pad consist mostly of sand. Undercutting of unsuitable clay is not anticipated at this building pad.

Building 12 – The finished pad grade for Building 12 is 100.75 feet. Ground elevations range from about 98 to 102 feet. Most of the building pad will be filled a few feet. The soils at this building pad consist mostly of sand and clayey sand. Undercutting of unsuitable clay is not anticipated at this building pad.

Building 13 – The finished pad grade for Building 13 is 100.75 feet. Ground elevations range from about 98 to 101 feet. Most of the building pad will be filled a couple of feet, while the eastern portion will be close to grade. The soils at this building pad consist mostly of sand and clayey sand. Undercutting of unsuitable clay is not anticipated at this building pad.

Building 14 – The finished pad grade for Building 14 is 100.75 feet. Ground elevations range from about 98 to 101 feet. Most of the building pad will be filled a couple of feet, while the eastern portion will be close to grade. The soils at this building pad consist mostly of sand and clayey sand. Undercutting of unsuitable clay is not anticipated at this building pad.

Building 15 – The finished pad grade for Building 15 is 100.25 feet. Ground elevations range from about 98 to 100 feet. Most of the building pad will be filled a couple of feet, while the eastern portion will be close to grade. The soils at this building pad consist mostly of sand and clayey sand. Undercutting of unsuitable clay is not anticipated at this building pad.

Building 16 – The finished pad grade for Building 16 is 100 feet. Ground elevations range from about 98 to 100 feet. Most of the building pad will be filled a couple of feet while the eastern portion of the site will be close to grade. The soils at this building pad consist mostly of sand and clayey to very clayey sand. Undercutting of unsuitable clay is anticipated at the eastern portion of this building pad. Standard stripping, proof-rolling and filling is anticipated for the remainder of the lot.

Building 17 – The finished pad grade for Building 17 is 100 feet. Ground elevations range from about 98 to 101 feet. Most of the building pad will be filled a couple of feet, while the eastern portion will be close to grade. The soils at this building pad consist mostly of sand and clayey sand. Undercutting of unsuitable clay is not anticipated at this building pad.

Building 18 – The finished pad grade for Building 18 is 100.75 feet. Ground elevations range from about 98 to 102 feet. The eastern half of the building pad will be filled a couple of feet while the western portion of the site will be cut a couple of feet. The soils at this building pad consist of a few feet of sand overlying very clayey sand or clay with sand. Undercutting of unsuitable clay is anticipated at this building pad.

Building 19 – The finished pad grade for Building 19 is 101 feet. Ground elevations range from about 99 to 102 feet. The eastern half of the building pad will be filled a couple of feet while the western portion of the site will be cut a couple of feet. The soils at this building pad consist of a few feet of sand overlying very clayey sand or clay with sand. Undercutting of unsuitable clay is anticipated at this building pad.

Building 20 – The finished pad grade for Building 20 is 101.75 feet. Ground elevations range from about 99 to 103 feet. The eastern half of the building pad will be filled a couple of feet while the western portion of the site will be cut a couple of feet. The soils at this building pad consist of a few feet of sand overlying very clayey sand. Undercutting of unsuitable clay is anticipated at this building pad.

Building 21 – The finished pad grade for Building 21 is 102 feet. Ground elevations range from about 100 to 103 feet. The eastern half of the building pad will be filled a couple of feet while the western portion of the site will be cut a couple of feet. The soils at this building pad consist of a few feet of sand overlying clayey sand or clay with sand, but the eastern portion where the clay is will be filled about 1 foot and the separation from the clay will be achieved. Undercutting of unsuitable clay is not anticipated at this building pad.

Building 22 – The finished pad grade for Building 22 is 101.5 feet. Ground elevations range from about 99 to 103 feet. The eastern half of the building pad will be filled a couple of feet while the western portion of the site will be cut a couple of feet. The soils at this building pad consist mostly of sand and clayey sand. Undercutting of unsuitable clay is not anticipated at this building pad.

Building 23 – The finished pad grade for Building 23 is 100.5 feet. Ground elevations range from about 98 to 101 feet. The eastern half of the building pad will be filled a couple of feet while the western portion of the site will be cut a couple of feet. The soils at this building pad consist mostly of sand and clayey to very clayey sand, but the eastern portion where the very clayey sand is will be filled a couple of feet and the separation from the very clayey sand will be achieved. Undercutting of unsuitable clay is not anticipated at this building pad.

Building 24 – The finished pad grade for Building 24 is 102.75 feet. Ground elevations range from about 101 to 102 feet. Most of the building pad will be filled a couple feet. The soils at this building pad consist mostly of sand and clayey sand. Undercutting of unsuitable clay is not anticipated at this building pad.

4.5.5 Proof Compaction

Compact the subgrade to a density of at least 95 percent of the Modified Proctor maximum dry density (ASTM D1557). The specified compaction should be obtained to a depth of 1 foot below the foundation bottoms and the existing grade prior to placing fill. Vibratory roller equipment should not be used within approximately 100 feet of existing structures. Lighter “walk-behind” compaction equipment may be used to achieve the degree of compaction.

Should clayey sand be encountered at the bearing surface, this material should be probed and visually confirmed to be unyielding in the upper 12 inches in lieu of density testing. If the foundation excavations penetrate the clayey sand, the excavation should be performed in a manner that reduces soil disturbance. Clayey sand soils (with fines content in excess of 15 percent) that are removed and replaced or appreciably disturbed need to be re-compacted to 98 percent of the Standard Proctor maximum dry density (ASTM D698).

4.5.6 Fill Placement

Imported fill placed to raise the site grades should consist of clean sand having less than 10 percent passing the No. 200 sieve. On-site soils meeting the requirements of Section 4.8 may also be used as structural fill. The fill should be placed in maximum 12-inch loose lifts that are compacted to at least 95 percent of the Modified Proctor maximum dry density (ASTM D1557). If lighter “walk-behind” compaction equipment is used, this may require lifts of 4 inches or less to achieve the required degree of compaction.

4.6 Quality Control and Construction Materials Testing

It should be noted that the geotechnical engineering design does not end with the advertisement of the construction documents. As the geotechnical engineer of record, GSE is the most qualified to perform the construction materials testing that will be required for this project. The benefits of having the geotechnical engineer of record also perform the construction materials testing are numerous. If GSE continues to be involved with the project through construction, we will be able to constantly re-evaluate and possibly alter our geotechnical recommendations in a timely and cost effective manner once final design and construction techniques are developed. This often results in cost savings for the project.

We recommend performing compaction testing beneath the concrete floor slab and the building foundations. We recommend one test be performed every 50 linear feet of continuous footing and every other column footing, per foot depth of fill or native material. We recommend a compaction test be performed for each 2,500 square feet of floor area or 10,000 square feet of pavement area per foot of fill or native material, or a minimum of three tests each, whichever is greater. Test all footing excavations to a depth of 12 inches at the frequencies stated above.

4.7 Stormwater Management

The soil conditions at the stormwater management facility are relatively variable; initially penetrating 1 to 8 feet of a near-surface sandy stratum consisting of poorly graded sand, sand with silt, and sand with clay (SP, SP-SM, SP-SC). This was underlain by clayey to very clayey sand (SC, SC/CL) to the depths of 6.5 to 30 feet bls overlying clay-rich soils consisting sandy clay, clay with sand and clay (CL/CH) to depths of 11.5 to 21 feet bls. This was underlain by limestone to the explored depths of 15 to 30 feet bls when encountered.

The water table was not encountered in the auger borings at the time of our exploration. We anticipate the seasonal high groundwater table to be perched on the very clayey sands and sandy clay rich soils.

The laboratory permeability tests indicate the surficial layer of sand with silt has hydraulic conductivity values of 5.1 to 19 feet per day. The deeper clayey sand encountered below the surficial sandy material is friable and will have permeability values at least one order of magnitude lower than the sandy soils. The underlying very clayey sand, sandy clay, clay with sand, and clay are expected to be confining soils.

Based upon our findings and test results, our recommended soil parameters for the stormwater management design in the explored areas are presented below. The recommended parameters consider the results of the permeability tests, wash 200 determinations, and our experience with these types of soils. The parameters below do not consider a factor of safety.

Proposed Northeastern Stormwater Management Facility

1. Base elevation of effective or mobilized aquifer (average depth of confining layer) equal to 14.9 feet bls.
2. Unsaturated vertical infiltration rate of 2 feet per day.
3. Horizontal hydraulic conductivity equal to 3 feet per day.
4. Specific yield (fillable porosity) of 20 percent.
5. Average seasonal high groundwater table depth equal to 14.5 feet bls.

Proposed Central Stormwater Management Facility

1. Base elevation of effective or mobilized aquifer (average depth of confining layer) equal to 14.5 feet bls.
2. Unsaturated vertical infiltration rate of 4 feet per day.
3. Horizontal hydraulic conductivity equal to 6.5 feet per day.
4. Specific yield (fillable porosity) of 20 percent.
5. Average seasonal high groundwater table depth equal to 14.3 feet bls.

Proposed Southern Stormwater Management Facility

GSE understands data used for the pond offsite was collected and incorporated into another Geotechnical Exploration Report; therefore, we are not providing soil parameters for this stormwater management facility in this report.

In areas where clay-rich soils are present at the basin bottom, we recommend these soils be undercut a minimum of 2 feet and backfilled with the on-site sands and sands with silt (SP, SP-SM) having a maximum of 12 percent soil fines passing the No. 200 sieve. The intent of this undercutting and replacement is to provide a more uniform sand "blanket" at the basin bottom that allows the migration of water to the deeper deposits of sand. This sand blanket will also reduce the potential for clay-fines leaching out of the soils when water is present in the basin that can result in a thin layer of confining type material on the basin bottom that can reduce the effectiveness of the basin.

4.8 Fill Suitability

The soils encountered at this site within the explored depths range from sands (SP) to clays (CL/CH). A discussion of the suitability for reuse as structural fill for each soil classification according to the Unified Soil Classification System (USCS) designation is provided below.

SP, SP-SM – Sands (SP) and sand with silt (SP-SM) have less than 5 percent and 12 percent soil fines passing the No. 200 sieve, respectively, and are typically well draining soils that are suitable for reuse as structural fill. The sands with silt may require moisture conditioning (drying) to make the material more workable. These soils will require stockpiling and drying before they are reused if they are excavated from below the water table.

SM – Silty sands (SM) can have between 12 percent and 50 percent soil fines passing the No. 200 sieve. Silty sands are typically non-plastic or have low plasticity, and can be reused as structural fill with precautions. Silty sands can be moisture sensitive and difficult to work and compact and can rut if the moisture content is near or above the optimum moisture content. We recommend these soils be moisture conditioned (dried) so that the moisture content during use is at or below the optimum moisture content. Aerating and exposure to the sun is typically the most effective methods of drying these soils. It may not be practical to reuse these materials during the wet season, as frequent rain showers may not allow these soils to dry to a workable moisture content. Suitable silty sands are limited to soil having less than 30 percent soil fines passing the No. 200 sieve. Silty sands with more than 30 percent soil fines are especially moisture sensitive, and are not recommended for reuse as structural fill. These soils will behave more as sandy silt, and for this reason, very silty sands having more than 30 percent soil fines passing the No. 200 sieve have been assigned a dual classification of SM/ML. Silty sand soils that are excavated from below the water table are not recommended for reuse as structural fill due to the amount of time that will be required to dry these soils to a workable condition.

SC – Clayey sand (SC) soils can have between 12 percent and 50 percent soil fines passing the No. 200 sieve. Clayey sands can have a high range of plasticity, varying from a PI of 7 or greater and plotting above the A-line to highly plastic. Friable clayey sands are typically suitable for use as structural fill with precautions. Clayey sands will be moisture sensitive and difficult to work and compact and can rut during placement if the moisture content is near or above the natural moisture content. We recommend these soils be moisture conditioned (dried) so that the moisture content during use is at or below the optimum moisture content. Aerating and exposure to the sun is typically the most effective methods of drying these soils. It may not be practical to reuse these materials during the wet season, as frequent rain showers may not allow these soils to dry to a workable moisture content. Suitable clayey sands are limited to soil having less than 30 percent soil fines passing the No. 200 sieve. Clayey sands with more than 30 percent soil fines passing the No. 200 sieve are especially moisture sensitive and are typically highly plastic, and are not recommended for reuse as structural fill. These soils will behave more as sandy clay, and for this reason, very clayey sands having more than 30 percent soil fines passing the No. 200 sieve have been assigned a dual classification of SC/CH or SC/CL. Clayey sand soils that are excavated from below the water table are not recommended for reuse as structural fill due to the amount of time that will be required to dry these soils to a workable condition.

ML, MH, CL, CH – Silts and clays are not suitable materials for reuse as structural fill.

When using on-site soils as fill materials, we recommend the silty and clayey sand soils (SM, SC) be used in the lower depths of the fill. Sand and sand with silt (SP, SP-SM) should be used in the upper portions of the fill. We recommend a minimum of 2 feet of sand (SP, SP-SM) cover the silty and clayey sand fill materials to reduce the potential for soggy surface conditions due to the low permeability characteristics of the silty and clayey sand materials.

4.9 Surface Water Control and Landscaping

Roof gutters should be considered to divert runoff away from the buildings. The gutter downspouts should discharge a minimum of 10 feet from the structure to reduce the amount of water collecting around the foundations. Where possible, the gutter downspouts should discharge directly into the storm sewer system or onto the asphalt paved areas in order to reduce the amount of water collecting around the foundations. Grading of the site should be such that water is diverted away from the buildings on all sides to reduce the potential for erosion and water infiltration along the foundations.

With respect to landscaping, it is recommended that existing and planted trees and large "tree-like" shrubbery with potential for developing large root systems be planted a minimum distance of half their mature height, and preferably their expected final height, away from the structures. The purpose of this is to reduce the potential for foundation or slab movements from the growth of root systems as the landscaping matures. Consideration should also be given to using landscaping that has a low water demand, so that excessive irrigation is not conducted around the structures.

If excavations for underground utilities encounter the clay-rich soils, the excavations should be made such that they do not trap water (i.e. "swimming pool" or "bowl" effect). Sloping the excavations, installing underdrains, or extending the excavation to a more pervious area can achieve this. Allowing surface water to become trapped within utility trenches or other excavations (including footings) serves as a potential water source for the clay, which can result in shrink swell of these soils.

Furthermore, during construction, surface water within the building areas must be controlled such that the water does not become trapped and represent a source of water for the underlying clay-rich soils. Mismanagement of the surface water during construction within the building footprint could result in subsequent post-construction slab movement.

The above recommendations are intended to maintain relatively consistent moisture contents within the clay-rich expansive soils encountered by the borings. The importance of proper surface water control and landscaping placement cannot be overemphasized in accomplishing this objective.

5.0 FIELD DATA

5.1 Auger Boring Logs

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

BORING NUMBER P-1

DATE PERFORMED 7/16/2020
DRILLING CONTRACTOR Whitaker Drilling, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 1.0 ft, perched
LOGGED BY WDI
CHECKED BY KPF
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0		
	AU 1	(SP-SM) Gray and brown SAND with silt
1.5		
	AU 2	(CL/CH) Brown, orange and gray CLAY with sand and trace of limerock
7.5		
	AU 3	(SC/CL) Gray, brown and orange very clayey SAND
11.0		
	AU 4	(CL/CH) Gray and orange CLAY with trace of limerock
15.0		
		Bottom of borehole at 15.0 feet.

BORING NUMBER P-2

DATE PERFORMED 7/16/2020
DRILLING CONTRACTOR Whitaker Drilling, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 7.0 ft, perched
LOGGED BY WDI
CHECKED BY KPF
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0		
	AU 1 PS	(SP-SM) Gray and brown SAND with silt *%PASS-200 = 8.9* *MC = 7.0; k_h = 6.0 ft/day*
2.0		
	AU 2	(SC) Gray, brown and orange clayey SAND
7.5		
	AU 3	(CL/CH) Gray and orange sandy CLAY with trace limerock
16.0		
	AU 4	(CL/CH) Brown sandy CLAY with trace limerock
21.0		
	AU 5	LIMESTONE
	AU 6	
	AU 7	
30.0		
		Bottom of borehole at 30.0 feet.

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GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

BORING NUMBER P-3

DATE PERFORMED 7/16/2020

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH 1.5 ft, perched

NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0		
	AU 1	(SP-SM) Brown and gray SAND with silt
		2.0
	AU 2	(CL/CH) Brown, gray and orange CLAY with sand
5		
		6.0
	AU 3	(CL/CH) Gray, green and orange CLAY with trace of limerock
10		
		12.5
	AU 4	LIMESTONE
15		15.0
		Bottom of borehole at 15.0 feet.

BORING NUMBER P-4

DATE PERFORMED 7/16/2020

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH 14.5 ft

NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0		
	AU 1	(SP) Gray SAND
		1.0
	AU 2	(SC) Brown, gray and orange clayey SAND
5		
	AU 3	
10		
	AU 4	
15		▽ 15.0
		Bottom of borehole at 15.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

DATE PERFORMED 7/16/2020 **BORING NUMBER P-5**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

AT TIME OF DRILLING NE CHECKED BY KPF

ESTIMATED SEASONAL HIGH 14.5 ft

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0		AU 1	(SP-SM) Gray SAND with silt
1.5			(SP-SM) Pale gray and brown SAND with silt
5		AU 2 PS	*%PASS-200 = 6.2* *MC = 3.1* *k_h = 19 ft/day*
7.0		AU 3	(SC) Brown, orange, and gray clayey SAND
10		AU 4	
15			▽ 15.0
			Bottom of borehole at 15.0 feet.

DATE PERFORMED 7/16/2020 **BORING NUMBER P-6**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

AT TIME OF DRILLING NE CHECKED BY KPF

ESTIMATED SEASONAL HIGH 12.0 ft, perched

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0		AU 1 PS	(SP-SM) Gray and brown SAND with silt *%PASS-200 = 9.5* *MC = 12* *k_h = 5.1 ft/day*
5		AU 2	5.0 (SC) Brown, gray and orange clayey SAND
10			▽ 12.5
12.5		AU 3	(CL/CH) Gray, brown and orange sandy CLAY with trace of limerock
15			15.0
			Bottom of borehole at 15.0 feet.

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GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

DATE PERFORMED 7/16/2020 **BORING NUMBER P-7**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH 0.5 ft, perched

NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0		▽ (SP-SM) Brown and gray SAND with silt
	AU 1	
	AU 2	
5		
		1.0 (SC/CL) Brown, orange and gray very clayey SAND with trace of limerock
		6.5 (CL/CH) Brown, gray and orange sandy CLAY with trace limerock
	AU 3	
10		
		11.5 LIMESTONE
	AU 4	
15		15.0 Bottom of borehole at 15.0 feet.

DATE PERFORMED 7/16/2020 **BORING NUMBER P-8**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH 29.5 ft

NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0		(SP-SM) Brown and gray SAND with silt
	AU 1	
		2.0 (SC) Brown and orange clayey SAND
	AU 2	
5		
		8.0 (SC) Gray, brown and orange clayey SAND
	AU 3	
10		
	AU 4	
	AU 5	
20		
	AU 6	
25		
	AU 7	
		▽
30		30.0 Bottom of borehole at 15.0 feet.

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GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

BORING NUMBER P-9

DATE PERFORMED 7/16/2020
DRILLING CONTRACTOR Whitaker Drilling, Inc.
GROUND WATER LEVELS: LOGGED BY WDI
▼ AT TIME OF DRILLING NE CHECKED BY KPF
▽ ESTIMATED SEASONAL HIGH 6.0 ft, perched
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0			(SP-SM) Brown and gray SAND with silt
		AU 1 PS	*%PASS-200 = 9.8* *MC = 15* *k_h = 6.9 ft/day*
			4.0
5		AU 2	(SP-SC) Brown, orange and gray SAND with clay
			▽ 6.5
		AU 3	(CL/CH) Brown and orange sandy CLAY with trace of limerock
10			11.5
		AU 4	LIMESTONE
15			15.0
			Bottom of borehole at 15.0 feet.

BORING NUMBER P-10

DATE PERFORMED 7/16/2020
DRILLING CONTRACTOR Whitaker Drilling, Inc.
GROUND WATER LEVELS: LOGGED BY WDI
▼ AT TIME OF DRILLING NE CHECKED BY KPF
▽ ESTIMATED SEASONAL HIGH 7.5 ft, perched
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0			(SP-SM) Brown and gray SAND with silt
		AU 1 PS	*%PASS-200 = 10* *MC = 13* *k_h = 5.3 ft/day*
			3.0
			(SC) Orange, gray, and brown clayey SAND
5		AU 2	▽ 8.0
		AU 3	(CL/CH) Brown, gray and orange CLAY with sand and trace of limerock
10			
		AU 4	
15			15.0
			Bottom of borehole at 15.0 feet.

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GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

BORING NUMBER P-11

DATE PERFORMED 7/16/2020
DRILLING CONTRACTOR Whitaker Drilling, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 14.5 ft
LOGGED BY WDI
CHECKED BY KPF
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0		
	AU 1	(SP-SM) Gray SAND with silt
		1.5
	AU 2	(SP) Pale brown and gray SAND
5		
		5.5
	AU 3	(SC) Brown and orange clayey SAND
10		
		11.5
	AU 4	(SC) Gray and brown clayey SAND
15		▽ 15.0
		Bottom of borehole at 15.0 feet.

BORING NUMBER P-12

DATE PERFORMED 7/16/2020
DRILLING CONTRACTOR Whitaker Drilling, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 14.5 ft
LOGGED BY WDI
CHECKED BY KPF
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0		
	AU 1	(SP-SM) Pale brown and gray SAND with silt
5		
	AU 2 PS	*%PASS-200 = 7.3* *MC = 8.1* *k_h = 11 ft/day*
		8.0
	AU 3	(SP-SC) Orange, brown and gray SAND with clay
10		
		12.5
	AU 4	(SC) Gray and brown clayey SAND
15		▽ 15.0
		Bottom of borehole at 15.0 feet.

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

BORING NUMBER R-1

DATE PERFORMED 7/20/2020
DRILLING CONTRACTOR Whitaker Drilling, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 6.5 ft, perched
LOGGED BY WDI
CHECKED BY KPF
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0		(SP-SM) Gray and brown SAND with silt
	AU 1	
2.5		
		3.5
		(SP) Brown and gray SAND
5.0	AU 2	
		7.0
7.5		(SC) Gray, brown and orange clayey SAND with trace of limerock
	AU 3	
10.0		10.0
		Bottom of borehole at 10.0 feet.

BORING NUMBER R-2

DATE PERFORMED 7/20/2020
DRILLING CONTRACTOR Whitaker Drilling, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 3.5 ft, perched
LOGGED BY WDI
CHECKED BY KPF
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0		(SP-SM) Brown and gray SAND with silt
	AU 1	
2.5		
		4.0
		(SC/CL) Brown and orange very clayey SAND
5.0	AU 2	*%PASS-200 = 34*
		MC = 15
		6.0
		(SC) Gray, brown and orange clayey SAND
	AU 3	
7.5		
10.0		10.0
		Bottom of borehole at 10.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

DATE PERFORMED 7/20/2020 **BORING NUMBER R-3**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH 1.5 ft, perched

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0		AU 1	(SP) Brown and gray SAND
			▽
2.0			
2.5		AU 2	(SC) Brown and orange clayey SAND
5.0			
7.5		AU 3	(SC) Gray, brown and orange clayey SAND
10.0			Bottom of borehole at 10.0 feet.

DATE PERFORMED 7/20/2020 **BORING NUMBER R-4**

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH 0.5 ft, perched

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0		AU 1	(SP) Brown and gray SAND
			▽
1.0			
			(SC/CL) Brown, gray and orange very clayey SAND
2.5		AU 2	*%PASS-200 = 35*
			MC = 16
5.0			
7.0			
7.5		AU 3	(SC) Gray, brown and orange clayey SAND with trace of limerock
10.0			Bottom of borehole at 10.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

BORING NUMBER R-5

DATE PERFORMED 7/20/2020

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH >10.0 ft

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0		AU 1	(SP-SM) Gray SAND with silt
5.5		AU 2	(SP) Pale gray SAND
10.0			Bottom of borehole at 10.0 feet.

BORING NUMBER R-6

DATE PERFORMED 7/20/2020

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS: LOGGED BY WDI

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH 6.0 ft, perched

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0		AU 1	(SP-SM) Gray and brown SAND with silt
3.5		AU 2	(SP) Pale brown and gray SAND
6.5		AU 3	(SC) Brown, gray and orange clayey SAND
10.0			Bottom of borehole at 10.0 feet.

5.2 Standard Penetration Test Soil Boring Logs

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5590 SW 64th St.
Gainesville, FL 32608
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Fax: (352)377-0335

BORING NUMBER B-1

CLIENT Tara Esmeralda
PROJECT NAME Mr. Sayed Moukhtara
PROJECT NUMBER 14682
PROJECT LOCATION Gainesville, Alachua County, Florida
DATE STARTED 7/16/20 **COMPLETED** 7/16/20
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR Whitaker Drilling, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Flight Auger
▼ **AT TIME OF DRILLING** NE
LOGGED BY WDI **CHECKED BY** KPF
▽ **ESTIMATED SEASONAL HIGH** 3.0 ft, perched
NOTES _____

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	▲ SPT N VALUE ▲
0		(SP) Very loose to loose brown and gray SAND		SPT 1	1-1-1 (2)						
		▽	3.5	SPT 2	1-2-5 (7)						
5		(SC) Loose to dense gray, brown and orange clayey SAND		SPT 3	7-9-12 (21)						
				SPT 4	12-15-15 (30)						
			8.5	SPT 5	13-15-19 (34)						
10		(SC/CL) Dense pale gray and orange very clayey SAND		SPT 6	10-16-17 (33)				48	27	
			13.5								
15		(SC) Medium dense gray, green and brown clayey SAND		SPT 7	3-6-8 (14)						
			18.5								
20		(CL/CH) Very stiff green and orange CLAY with sand and trace limestone	20	SPT 8	5-6-10 (16)						
		Bottom of borehole at 20.0 feet.									

20 40 60 80

SPT BORINGS - GINT STD US.GDT - 7/28/20 11:54 - Q:\PROJECTS\14682 TARA ESMERELDA\14682 BORINGS\14682 BORINGS - B, P & R.GPJ

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Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

BORING NUMBER B-2

CLIENT Tara Esmeralda
PROJECT NAME Mr. Sayed Moukhtara
PROJECT NUMBER 14682
PROJECT LOCATION Gainesville, Alachua County, Florida
DATE STARTED 7/15/20 **COMPLETED** 7/15/20
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR Whitaker Drilling, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Flight Auger
AT TIME OF DRILLING NE
LOGGED BY WDI **CHECKED BY** KPF
ESTIMATED SEASONAL HIGH 4.5 ft, perched
NOTES _____

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	▲ SPT N VALUE ▲
0		(SP) Very loose to loose pale brown and gray SAND		SPT 1	2-2-2 (4)						
				SPT 2	2-2-2 (4)						
5		▽	5	SPT 3	3-3-3 (6)						
		(SC) Loose to medium dense brown, gray and orange clayey SAND		SPT 4	4-7-10 (17)						
				SPT 5	8-11-12 (23)						
			8.5								
10		(SC/CL) Medium dense brown and orange very clayey SAND		SPT 6	15-13-17 (30)				41	19	
			13.5								
15		(SC) Medium dense gray, brown and orange clayey SAND		SPT 7	6-11-15 (26)						
			18.5								
20		(SP-SC) Dense gray, brown and orange SAND with clay	20	SPT 8	13-20-23 (43)						
		Bottom of borehole at 20.0 feet.									

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5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

BORING NUMBER B-3

CLIENT Tara Esmeralda
PROJECT NAME Mr. Sayed Moukhtara
PROJECT NUMBER 14682
PROJECT LOCATION Gainesville, Alachua County, Florida
DATE STARTED 7/15/20 **COMPLETED** 7/15/20
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR Whitaker Drilling, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Flight Auger
AT TIME OF DRILLING NE
LOGGED BY WDI **CHECKED BY** KPF
ESTIMATED SEASONAL HIGH 2.5 ft, perched
NOTES _____

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	▲ SPT N VALUE ▲
0		(SP-SC) Very loose to medium dense brown and orange SAND with clay		SPT 1	1-1-3 (4)						
		(SC) Medium dense brown and orange clayey SAND	3	SPT 2	4-4-7 (11)						
5				SPT 3	5-7-8 (15)						
				SPT 4	9-11-15 (26)						
		(SC) Medium dense to very dense gray, brown and orange clayey SAND	7.5	SPT 5	14-14-15 (29)						
10				SPT 6	12-15-19 (34)						
				SPT 7	14-14-20 (34)						
15											
				SPT 8	19-24-28 (52)						
20			20								
		Bottom of borehole at 20.0 feet.									

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5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

BORING NUMBER B-4

CLIENT Tara Esmeralda
PROJECT NAME Mr. Sayed Moukhtara
PROJECT NUMBER 14682
PROJECT LOCATION Gainesville, Alachua County, Florida
DATE STARTED 7/15/20 **COMPLETED** 7/15/20
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR Whitaker Drilling, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Flight Auger
AT TIME OF DRILLING NE
LOGGED BY WDI **CHECKED BY** KPF
ESTIMATED SEASONAL HIGH 2.5 ft, perched
NOTES _____

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	▲ SPT N VALUE ▲
0											20 40 60 80
		(SP-SM) Gray SAND with silt	1								
		(SP-SM) Very loose to medium dense brown and gray SAND with silt ▽	3	SPT 1	2-1-1 (2)						
		(SC) Medium dense brown, gray and orange clayey SAND	5	SPT 2	5-7-9 (16)						
5				SPT 3	6-7-10 (17)						
		(CL/CH) Very stiff brown, gray and orange CLAY with sand and trace of limerock	6.5	SPT 4	12-12-11 (23)						
		(SC) Medium dense brown and orange clayey SAND	8	SPT 5	9-11-12 (23)						
		(SP-SC) Medium dense to dense gray, brown and orange SAND with clay		SPT 6	12-15-16 (31)						
10			13.5								
		(CL/CH) Very stiff gray, brown and orange sandy CLAY		SPT 7	6-9-11 (20)						
15											
				SPT 8	8-12-14 (26)						
20			20								
		Bottom of borehole at 20.0 feet.									

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5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

BORING NUMBER B-5

CLIENT Tara Esmeralda
PROJECT NAME Mr. Sayed Moukhtara
PROJECT NUMBER 14682
PROJECT LOCATION Gainesville, Alachua County, Florida
DATE STARTED 7/15/20 **COMPLETED** 7/15/20
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR Whitaker Drilling, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Flight Auger
▼ **AT TIME OF DRILLING** NE
LOGGED BY WDI **CHECKED BY** KPF
▽ **ESTIMATED SEASONAL HIGH** 0.5 ft, perched
NOTES _____

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	▲ SPT N VALUE ▲
0		(SC) Loose brown and orange clayey SAND									20 40 60 80
			2	SPT 1	2-1-4 (5)						
		(SC) Loose to medium dense brown and orange clayey SAND	3								
		(SC/CL) Medium dense to very dense gray and brown very clayey SAND		SPT 2	6-9-12 (21)						
5				SPT 3	14-12-16 (28)	39	18	21	43	21	
				SPT 4	24-21-25 (46)						
				SPT 5	31-40-32 (72)						
				SPT 6	50/3"						>>
10											
				SPT 7	17-21-26 (47)						
15											
			18.5								
		(SC) Very dense gray and green clayey SAND		SPT 8	12-28-24 (52)						
20			20								
		Bottom of borehole at 20.0 feet.									

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5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

BORING NUMBER B-6

CLIENT Tara Esmeralda
PROJECT NAME Mr. Sayed Moukhtara
PROJECT NUMBER 14682
PROJECT LOCATION Gainesville, Alachua County, Florida
DATE STARTED 7/15/20 **COMPLETED** 7/15/20
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR Whitaker Drilling, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Flight Auger
AT TIME OF DRILLING NE
LOGGED BY WDI **CHECKED BY** KPF
ESTIMATED SEASONAL HIGH 6.0 ft, perched
NOTES _____

DEPTH (ft)	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)
0	(SP) Very loose to loose brown and gray SAND		SPT 1	1-1-1 (2)
			SPT 2	1-1-1 (2)
		4.5	SPT 3	2-3-3 (6)
5	(SP) Loose to medium dense pale gray and brown SAND			
		6.5	SPT 4	4-6-10 (16)
	(SC) Medium dense brown, gray and orange clayey SAND		SPT 5	10-11-13 (24)
			SPT 6	17-15-15 (30)
10				
		13.5		
	(SC/CL) Medium dense gray and brown very clayey SAND		SPT 7	4-11-15 (26)
15				
			SPT 8	5-6-9 (15)
20		20		
	Bottom of borehole at 20.0 feet.			

LIQUID LIMIT, % | PLASTIC LIMIT, % | PLASTICITY INDEX | PERCENT PASS NO. 200 SIEVE | MOISTURE CONTENT, %

▲ SPT N VALUE ▲
20 40 60 80

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5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

BORING NUMBER B-7

CLIENT Tara Esmeralda
PROJECT NAME Mr. Sayed Moukhtara
PROJECT NUMBER 14682
PROJECT LOCATION Gainesville, Alachua County, Florida
DATE STARTED 7/15/20 **COMPLETED** 7/15/20
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR Whitaker Drilling, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Flight Auger
▼ **AT TIME OF DRILLING** NE
LOGGED BY WDI **CHECKED BY** KPF
▽ **ESTIMATED SEASONAL HIGH** >20.0 ft
NOTES

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	▲ SPT N VALUE ▲
0		(SP-SM) Very loose gray SAND with silt									20 40 60 80
			2	SPT 1	1-1-2 (3)						
		(SP-SM) Very loose to medium dense pale gray SAND with silt		SPT 2	1-1-1 (2)				6.2	1.6	
5				SPT 3	2-2-4 (6)						
				SPT 4	5-6-8 (14)						
			7								
		(SP-SC) Medium dense orange, brown and gray SAND with clay		SPT 5	12-14-15 (29)						
10				SPT 6	10-12-12 (24)						
				SPT 7	5-6-6 (12)						
15											
			18.5								
		(SP-SC) Medium dense pale gray and brown SAND with clay		SPT 8	4-6-6 (12)						
20			20								
		Bottom of borehole at 20.0 feet.									

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5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

BORING NUMBER B-8

CLIENT Tara Esmeralda
PROJECT NAME Mr. Sayed Moukhtara
PROJECT NUMBER 14682
PROJECT LOCATION Gainesville, Alachua County, Florida
DATE STARTED 7/15/20 **COMPLETED** 7/15/20
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR Whitaker Drilling, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Flight Auger
AT TIME OF DRILLING NE
LOGGED BY WDI **CHECKED BY** KPF
ESTIMATED SEASONAL HIGH 3.5 ft, perched
NOTES _____

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	▲ SPT N VALUE ▲
0		(SP) Very loose pale brown and gray SAND		SPT 1	1-1-1 (2)						
				SPT 2	1-1-3 (4)						
			4								
5		(SC) Medium dense brown and orange clayey SAND		SPT 3	3-5-6 (11)						
			6	SPT 4	5-9-9 (18)						
		(SC) Medium dense to dense gray, brown and orange clayey SAND		SPT 5	11-14-13 (27)						
10				SPT 6	13-14-17 (31)						
			13.5								
		(CL/CH) Stiff to very stiff green, gray, and orange CLAY with trace of limerock		SPT 7	6-9-9 (18)						
15											
				SPT 8	5-6-9 (15)						
20			20								
		Bottom of borehole at 20.0 feet.									

5.3 Test Pit Logs

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TP-1

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH >6.0 ft
LOGGED BY KPF
CHECKED BY KPF
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5			
5.0			
6.0			Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-2

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 3.0 ft, perched
LOGGED BY KPF
CHECKED BY KPF
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.5			(SP) Pale brown SAND
2.5			
3.5			(SC) Gray and orange clayey SAND
5.0			
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

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5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

DATE PERFORMED 6/16/2020 **TEST PIT NO. TP-3**

DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.

GROUND WATER LEVELS: LOGGED BY KPF

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH 3.5 ft, perched

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5			
5.0		AU 1	
4.0			(SC) Gray and orange clayey SAND
6.0			Bottom of borehole at 6.0 feet.

DATE PERFORMED 6/16/2020 **TEST PIT NO. TP-4**

DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.

GROUND WATER LEVELS: LOGGED BY KPF

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH 2.0 ft, perched

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.5			(SP) Pale brown SAND
2.5			(SC/CL) Gray and orange very clayey SAND
5.0		AU 1	
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

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Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda
PROJECT NAME Mr. Sayed Moukhtara
PROJECT NUMBER 14682
PROJECT LOCATION Gainesville, Alachua County, Florida

TEST PIT NO. TP-5

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH >6.0 ft
LOGGED BY KPF
CHECKED BY KPF
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5			
5.0			
6.0			Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-6

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 2.5 ft, perched
LOGGED BY KPF
CHECKED BY KPF
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5		AU 1	(SC/CL) Gray and orange very clayey SAND
3.0			
5.0			
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

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5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda
PROJECT NAME Mr. Sayed Moukhtara
PROJECT NUMBER 14682
PROJECT LOCATION Gainesville, Alachua County, Florida

TEST PIT NO. TP-7

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
LOGGED BY KPF
AT TIME OF DRILLING NE
CHECKED BY KPF
ESTIMATED SEASONAL HIGH 2.0 ft, perched
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5		AU 1	(CL/CH) Gray and orange CLAY with sand %PASS-200 = 74 MC = 36; LL = 73; PL = 25; PI = 48
5.0			
6.0			Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-8

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
LOGGED BY KPF
AT TIME OF DRILLING NE
CHECKED BY KPF
ESTIMATED SEASONAL HIGH 1.5 ft, perched
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
0.5			(SP) Pale brown SAND
2.0			(CL/CH) Pale green and orange CLAY
2.5		AU 1	%PASS-200 = 88 MC = 45; LL = 94; PL = 32; PI = 62
5.0			
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

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5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

DATE PERFORMED 6/16/2020 **TEST PIT NO. TP-9**

DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.

GROUND WATER LEVELS: LOGGED BY KPF

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH >6.0 ft

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5			
5.0			
6.0			Bottom of borehole at 6.0 feet.

DATE PERFORMED 6/16/2020 **TEST PIT NO. TP-10**

DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.

GROUND WATER LEVELS: LOGGED BY KPF

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH 3.5 ft, perched

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5			
4.0			(SC) Gray and orange clayey SAND
5.0			
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

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5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

DATE PERFORMED 6/16/2020 **TEST PIT NO. TP-11**

DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.

GROUND WATER LEVELS: LOGGED BY KPF

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH >6.0 ft

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.5			(SP) Pale brown SAND
2.5		AU 1	
5.0			
6.0			Bottom of borehole at 6.0 feet.

DATE PERFORMED 6/16/2020 **TEST PIT NO. TP-12**

DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.

GROUND WATER LEVELS: LOGGED BY KPF

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH 4.5 ft, perched

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
0.5			(SP) Pale brown SAND
2.5			
5.0			(SC) Gray and orange clayey SAND
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TP-13

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 1.0 ft, perched
NOTES

LOGGED BY KPF
CHECKED BY KPF

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
			1.5
			(SC) Gray and orange clayey SAND
		AU 1	
2.5			
5.0			
			6.0
			Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-14

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 3.5 ft, perched
NOTES

LOGGED BY KPF
CHECKED BY KPF

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
			0.5
			(SP) Pale brown SAND
2.5			
5.0			
			4.0
			(SC) Gray and orange clayey SAND
			6.0
			Bottom of borehole at 6.0 feet.

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GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

DATE PERFORMED 6/16/2020 **TEST PIT NO. TP-15**

DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.

GROUND WATER LEVELS: LOGGED BY KPF

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH 2.5 ft, perched

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
0.5			(SP) Pale brown SAND
2.5			(SC) Gray and orange clayey SAND
3.0			
5.0			
6.0			Bottom of borehole at 6.0 feet.

DATE PERFORMED 6/16/2020 **TEST PIT NO. TP-16**

DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.

GROUND WATER LEVELS: LOGGED BY KPF

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH 1.0 ft, perched

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
0.5			(SP) Pale brown SAND
1.5			(SC) Gray and orange clayey SAND
2.5			
5.0			
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TP-17

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 3.5 ft, perched
NOTES

LOGGED BY KPF
CHECKED BY KPF

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5			
4.0			(SC) Gray and orange clayey SAND
5.0			
6.0			Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-18

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 2.5 ft, perched
NOTES

LOGGED BY KPF
CHECKED BY KPF

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
0.5			(SP) Pale brown SAND
2.5		AU 1	
3.0			(SC) Gray and orange clayey SAND
5.0			
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

DATE PERFORMED 6/16/2020 **TEST PIT NO. TP-19**

DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.

GROUND WATER LEVELS: LOGGED BY KPF

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH 1.5 ft, perched

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.0			(SC) Gray and orange clayey SAND
2.5			
4.0			(CL/CH) Gray and orange sandy CLAY
5.0		AU 1	%PASS-200 = 55 MC = 30; LL = 54; PL = 21; PI = 33
6.0			Bottom of borehole at 6.0 feet.

DATE PERFORMED 6/16/2020 **TEST PIT NO. TP-20**

DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.

GROUND WATER LEVELS: LOGGED BY KPF

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH >6.0 ft

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5			
5.0			
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TP-21

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 4.5 ft, perched
NOTES

LOGGED BY KPF
CHECKED BY KPF

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
			1.5
			(SP) Pale brown SAND
2.5			
5.0			5.0
			(SC) Gray and orange clayey SAND
			6.0
			Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-22

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH >6.0 ft
NOTES

LOGGED BY KPF
CHECKED BY KPF

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
			1.0
			(SP) Pale brown SAND
2.5		AU 1	
5.0			6.0
			Bottom of borehole at 6.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

DATE PERFORMED 6/16/2020 **TEST PIT NO. TP-23**

DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.

GROUND WATER LEVELS: LOGGED BY KPF

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH 0.5 ft, perched

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
			1.0
			(CL/CH) Gray, brown and orange sandy CLAY
		AU 1	%PASS-200 = 60 MC = 35
2.5			
5.0			
			6.0
			Bottom of borehole at 6.0 feet.

DATE PERFORMED 6/16/2020 **TEST PIT NO. TP-24**

DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.

GROUND WATER LEVELS: LOGGED BY KPF

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH 0.5 ft, perched

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
			0.5
			(SC) Brown and orange clayey SAND
2.5			
5.0			
			3.5
			(SC/CL) Gray and orange very clayey SAND
			6.0
			Bottom of borehole at 6.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TP-25

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
LOGGED BY KPF
AT TIME OF DRILLING NE
CHECKED BY KPF
ESTIMATED SEASONAL HIGH 4.5 ft, perched
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
			1.0
			(SP) Pale brown SAND
2.5			
5.0			5.0
			(SC) Orange clayey SAND
			6.0
			Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-26

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
LOGGED BY KPF
AT TIME OF DRILLING NE
CHECKED BY KPF
ESTIMATED SEASONAL HIGH 1.5 ft, perched
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
			0.5
			(SP) Pale brown SAND
			2.0
2.5			(SC) Brown and orange clayey SAND
			4.5
			Bottom of borehole at 4.5 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TP-27

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 2.5 ft, perched
LOGGED BY KPF
CHECKED BY KPF
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
			1.0 (SP) Pale brown SAND
2.5			3.0 (SC) Brown and orange clayey SAND
		AU 1	
5.0			6.0 Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-28

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 1.5 ft, perched
LOGGED BY KPF
CHECKED BY KPF
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP) Pale brown SAND
			2.0 (SC) Brownish orange clayey SAND
2.5			
5.0			6.0 Bottom of borehole at 6.0 feet.

(Continued Next Page)

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5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TP-29

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS: LOGGED BY KPF
▼ AT TIME OF DRILLING NE CHECKED BY KPF
▽ ESTIMATED SEASONAL HIGH 1.5 ft, perched
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
			0.5 (SP) Pale brown SAND
			2.0 (SC) Gray and orange clayey SAND
2.5			
5.0		AU 1	5.0 (CL/CH) Gray and orange CLAY
			6.0 Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-30

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS: LOGGED BY KPF
▼ AT TIME OF DRILLING NE CHECKED BY KPF
▽ ESTIMATED SEASONAL HIGH 3.0 ft, perched
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
			0.5 (SP) Pale brown SAND
			3.5 (SC) Gray and orange clayey SAND
2.5			
5.0			6.0 Bottom of borehole at 6.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TP-31

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
LOGGED BY KPF
AT TIME OF DRILLING NE
CHECKED BY KPF
ESTIMATED SEASONAL HIGH 4.0 ft, perched
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5			
4.5			(SC) Gray and orange clayey SAND
5.0		AU 1	
6.0			Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-32

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
LOGGED BY KPF
AT TIME OF DRILLING NE
CHECKED BY KPF
ESTIMATED SEASONAL HIGH 4.0 ft, perched
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5			
4.5			(SC) Gray and orange clayey SAND
5.0			
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

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5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TP-33

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS: LOGGED BY KPF
▼ AT TIME OF DRILLING NE CHECKED BY KPF
▽ ESTIMATED SEASONAL HIGH >6.0 ft
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
			1.5 (SP) Pale brown SAND
2.5			
5.0			
			6.0 Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-34

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS: LOGGED BY KPF
▼ AT TIME OF DRILLING NE CHECKED BY KPF
▽ ESTIMATED SEASONAL HIGH 2.0 ft, perched
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
			0.5 (SP) Pale brown SAND
2.5		AU 1	2.5 (SC) Gray and orange clayey SAND
5.0			
			6.0 Bottom of borehole at 6.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TP-35

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 2.5 ft, perched
NOTES

LOGGED BY KPF
CHECKED BY KPF

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.5			(SP) Pale brown SAND
2.5			(SC) Brown and orange clayey SAND
3.0		AU 1	
5.0			
6.0			Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-36

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 4.5 ft, perched
NOTES

LOGGED BY KPF
CHECKED BY KPF

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
2.5			(SP) Pale brown SAND
5.0			(SC) Gray and orange clayey SAND
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

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5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TP-37

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 2.5 ft, perched
LOGGED BY KPF
CHECKED BY KPF
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
0.5			(SP) Pale brown SAND
2.5		AU 1	(SC) Gray and orange clayey SAND
3.0			
5.0			
6.0			Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-38

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 1.5 ft, perched
LOGGED BY KPF
CHECKED BY KPF
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.0			(SC) Gray and orange clayey SAND
2.5			
5.0			
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TP-39

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
LOGGED BY KPF
AT TIME OF DRILLING NE
CHECKED BY KPF
ESTIMATED SEASONAL HIGH 1.0 ft, perched
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
0.5			(SP) Pale brown SAND
1.5			(SC) Brownish orange clayey SAND
2.5			
5.0			
6.0			Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-40

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR Whitaker Drilling, Inc.
GROUND WATER LEVELS:
LOGGED BY WDI
AT TIME OF DRILLING NE
CHECKED BY KPF
ESTIMATED SEASONAL HIGH 1.5 ft, perched
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP) Gray and brown SAND
		AU 1	
2.0			(SC) Brown, orange and gray clayey SAND
2.5		AU 2	
5.0			
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TP-41

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
LOGGED BY KPF
AT TIME OF DRILLING NE
CHECKED BY KPF
ESTIMATED SEASONAL HIGH 2.0 ft, perched
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5		AU 1	(SC) Gray and orange clayey SAND
5.0			
6.0			Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-42

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR Whitaker Drilling, Inc.
GROUND WATER LEVELS:
LOGGED BY WDI
AT TIME OF DRILLING NE
CHECKED BY KPF
ESTIMATED SEASONAL HIGH 2.5 ft, perched
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0		AU 1	(SP) Brown and gray SAND
3.0			(SC) Gray, brown and orange clayey SAND
5.0		AU 2	
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

DATE PERFORMED 6/16/2020 **TEST PIT NO. TP-43**

DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.

GROUND WATER LEVELS: LOGGED BY KPF

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH 3.0 ft, perched

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5			
3.5			(SC) Brown and orange clayey SAND
5.0			
6.0			Bottom of borehole at 6.0 feet.

DATE PERFORMED 6/16/2020 **TEST PIT NO. TP-44**

DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.

GROUND WATER LEVELS: LOGGED BY KPF

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH 3.0 ft, perched

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
0.5			(SP) Pale brown SAND
2.5			
3.5			(SC/CL) Gray and orange very clayey SAND
5.0			
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TP-45

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
LOGGED BY KPF
AT TIME OF DRILLING NE
CHECKED BY KPF
ESTIMATED SEASONAL HIGH 3.5 ft, perched
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
4.0			(SC) Gray and orange clayey SAND
6.0			Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-46

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
LOGGED BY KPF
AT TIME OF DRILLING NE
CHECKED BY KPF
ESTIMATED SEASONAL HIGH 3.0 ft, perched
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
0.5			(SP) Pale brown SAND
3.5			(SC) Gray and orange clayey SAND
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TP-47

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
LOGGED BY KPF
AT TIME OF DRILLING NE
CHECKED BY KPF
ESTIMATED SEASONAL HIGH 2.5 ft, perched
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5			
3.0			(SC) Brown and orange clayey SAND
5.0			
6.0			Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-48

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
LOGGED BY KPF
AT TIME OF DRILLING NE
CHECKED BY KPF
ESTIMATED SEASONAL HIGH 3.0 ft, perched
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5			
3.5			(SC) Orange clayey SAND
5.0			
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda
PROJECT NAME Mr. Sayed Moukhtara
PROJECT NUMBER 14682
PROJECT LOCATION Gainesville, Alachua County, Florida

TEST PIT NO. TP-49

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR Whitaker Drilling, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 2.5 ft, perched
NOTES
LOGGED BY WDI
CHECKED BY KPF

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP) Brown and gray SAND
		AU 1	
2.5		AU 2	
			3.0
			(SC) Orange, brown and gray clayey SAND
			6.0
			Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-50

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 1.0 ft, perched
NOTES
LOGGED BY KPF
CHECKED BY KPF

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
			0.5
			(SP) Pale brown SAND
			1.5
			(SC) Gray and orange clayey SAND
			4.0
			(CL/CH) Gray and orange CLAY with SAND
5.0		AU 1	
			6.0
			Bottom of borehole at 6.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TP-51

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
LOGGED BY KPF
AT TIME OF DRILLING NE
CHECKED BY KPF
ESTIMATED SEASONAL HIGH 1.0 ft, perched
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.5			(SC/CL) Gray and orange very clayey SAND
2.5		AU 1	
5.0			
6.0			Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-52

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
LOGGED BY KPF
AT TIME OF DRILLING NE
CHECKED BY KPF
ESTIMATED SEASONAL HIGH 3.5 ft, perched
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5			
4.0			(SC/CL) Gray and orange very clayey SAND
5.0			Bottom of borehole at 5.0 feet.

(Continued Next Page)

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5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

DATE PERFORMED 6/16/2020 **TEST PIT NO. TP-53**

DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.

GROUND WATER LEVELS: LOGGED BY KPF

AT TIME OF DRILLING NE CHECKED BY KPF

ESTIMATED SEASONAL HIGH 2.0 ft, perched

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
0.5			(SP) Pale brown SAND
2.5			(CL/CH) Gray and orange CLAY with sand
		AU 1	%PASS-200 = 70 MC = 33; LL = 58; PL = 23; PI = 35
5.0			
6.0			Bottom of borehole at 6.0 feet.

DATE PERFORMED 6/16/2020 **TEST PIT NO. TP-54**

DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.

GROUND WATER LEVELS: LOGGED BY KPF

AT TIME OF DRILLING NE CHECKED BY KPF

ESTIMATED SEASONAL HIGH 2.5 ft, perched

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5			
3.0			(SC/CL) Gray and orange very clayey SAND
5.0			
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TP-55

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 3.5 ft, perched
NOTES

LOGGED BY KPF
CHECKED BY KPF

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
			1.5
			(SP) Pale brown SAND
2.5			
			4.0
			(SC) Orange clayey SAND
5.0		AU 1	
			6.0
			Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-56

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 3.5 ft, perched
NOTES

LOGGED BY KPF
CHECKED BY KPF

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
			1.0
			(SP) Pale brown SAND
2.5			
			4.0
			(SC) Gray and orange clayey SAND
5.0			
			6.0
			Bottom of borehole at 6.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

DATE PERFORMED 6/16/2020 **TEST PIT NO. TP-57**

DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.

GROUND WATER LEVELS: LOGGED BY KPF

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH 4.5 ft, perched

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5			
5.0			(SC) Brown and orange clayey SAND
6.0			Bottom of borehole at 6.0 feet.

DATE PERFORMED 6/16/2020 **TEST PIT NO. TP-58**

DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.

GROUND WATER LEVELS: LOGGED BY KPF

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH >6.0 ft

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5		AU 1	
5.0			
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TP-59

DATE PERFORMED 6/16/2020

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS:

AT TIME OF DRILLING NE

ESTIMATED SEASONAL HIGH >6.0 ft

LOGGED BY WDI

CHECKED BY KPF

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0		AU 1	(SP-SM) Gray and brown SAND with silt
2.0		AU 2	(SP) Pale brown and gray SAND
6.0			Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-60

DATE PERFORMED 6/16/2020

DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.

GROUND WATER LEVELS:

AT TIME OF DRILLING NE

ESTIMATED SEASONAL HIGH 3.5 ft, perched

LOGGED BY KPF

CHECKED BY KPF

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
0.5			(SP) Pale brown SAND
4.0			(SC) Brown and orange clayey SAND
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TP-61

DATE PERFORMED 6/16/2020

DRILLING CONTRACTOR Whitaker Drilling, Inc.

GROUND WATER LEVELS:

AT TIME OF DRILLING NE

ESTIMATED SEASONAL HIGH >6.0 ft

LOGGED BY WDI

CHECKED BY KPF

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0		AU 1	(SP) Gray and brown SAND
		AU 2	
2.5			(SP) Pale brown and gray SAND
5.0			
			6.0 Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-62

DATE PERFORMED 6/16/2020

DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.

GROUND WATER LEVELS:

AT TIME OF DRILLING NE

ESTIMATED SEASONAL HIGH >6.0 ft

LOGGED BY KPF

CHECKED BY KPF

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
			0.5 (SP) Pale brown SAND
2.5			
5.0			
			6.0 Bottom of borehole at 6.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TP-63

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
LOGGED BY KPF
AT TIME OF DRILLING NE
CHECKED BY KPF
ESTIMATED SEASONAL HIGH 3.5 ft, perched
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5			
4.0			(SC) Gray and orange clayey SAND
5.0		AU 1	
6.0			Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-64

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
LOGGED BY KPF
AT TIME OF DRILLING NE
CHECKED BY KPF
ESTIMATED SEASONAL HIGH 4.5 ft, perched
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.5			(SP) Pale brown SAND
2.5			
5.0			(SC) Orange clayey SAND
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

DATE PERFORMED 6/16/2020 **TEST PIT NO. TP-65**

DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.

GROUND WATER LEVELS: LOGGED BY KPF

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH 4.0 ft, perched

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
0.5			(SP) Pale brown SAND
2.5			
4.5			(SC) Gray and orange clayey SAND
5.0			
6.0			Bottom of borehole at 6.0 feet.

DATE PERFORMED 6/16/2020 **TEST PIT NO. TP-66**

DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.

GROUND WATER LEVELS: LOGGED BY KPF

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH >6.0 ft

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
0.5			(SP) Pale brown SAND
2.5			
5.0			
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

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5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TP-67

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
LOGGED BY KPF
AT TIME OF DRILLING NE
CHECKED BY KPF
ESTIMATED SEASONAL HIGH 4.5 ft, perched
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
		AU 1	
2.5			
5.0			(SC) Orange clayey SAND
6.0			Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-68

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
LOGGED BY KPF
AT TIME OF DRILLING NE
CHECKED BY KPF
ESTIMATED SEASONAL HIGH >6.0 ft
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5			
5.0			
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TP-69

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
LOGGED BY KPF
AT TIME OF DRILLING NE
CHECKED BY KPF
ESTIMATED SEASONAL HIGH >6.0 ft
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5		AU 1	
5.0			
6.0			Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-70

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
LOGGED BY KPF
AT TIME OF DRILLING NE
CHECKED BY KPF
ESTIMATED SEASONAL HIGH >6.0 ft
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5			
5.0			
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TP-71

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
LOGGED BY KPF
AT TIME OF DRILLING NE
CHECKED BY KPF
ESTIMATED SEASONAL HIGH >6.0 ft
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5			
5.0			
6.0			Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-72

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
LOGGED BY KPF
AT TIME OF DRILLING NE
CHECKED BY KPF
ESTIMATED SEASONAL HIGH 4.5 ft, perched
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
0.5			(SP) Pale brown SAND
2.5			
5.0			(SC) Orange clayey SAND
6.0			Bottom of borehole at 6.0 feet.

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GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

DATE PERFORMED 6/16/2020 **TEST PIT NO. TP-73**

DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.

GROUND WATER LEVELS: LOGGED BY KPF

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH >6.0 ft

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5			
5.0			
6.0			Bottom of borehole at 6.0 feet.

DATE PERFORMED 6/16/2020 **TEST PIT NO. TP-74**

DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.

GROUND WATER LEVELS: LOGGED BY KPF

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH 3.0 ft, perched

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5			
3.5			(SC) Gray and orange clayey SAND
5.0			
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TP-75

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
LOGGED BY KPF
AT TIME OF DRILLING NE
CHECKED BY KPF
ESTIMATED SEASONAL HIGH >6.0 ft
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5			
5.0			
6.0			Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-76

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
LOGGED BY KPF
AT TIME OF DRILLING NE
CHECKED BY KPF
ESTIMATED SEASONAL HIGH 3.5 ft, perched
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
0.5			(SP) Pale brown SAND
2.5			
4.0			(SC) Gray and orange clayey SAND
5.0			
6.0			Bottom of borehole at 6.0 feet.

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GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

DATE PERFORMED 6/16/2020 **TEST PIT NO. TP-77**

DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.

GROUND WATER LEVELS: LOGGED BY KPF

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH 4.5 ft, perched

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
0.5			(SP) Pale brown SAND
2.5			
5.0			(SC) Orange clayey SAND
6.0			Bottom of borehole at 6.0 feet.

DATE PERFORMED 6/16/2020 **TEST PIT NO. TP-78**

DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.

GROUND WATER LEVELS: LOGGED BY KPF

▼ AT TIME OF DRILLING NE CHECKED BY KPF

▽ ESTIMATED SEASONAL HIGH 0.5 ft, perched

NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
0.5			(SC) Brownish orange clayey SAND
2.5			
3.0			White LIMESTONE
5.0			
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TP-79

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 4.5 ft, perched
NOTES

LOGGED BY KPF
CHECKED BY KPF

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
			0.5
			(SP-SM) Pale brown SAND with silt
		AU 1	%PASS-200 = 5.7 MC = 3.9
2.5			
5.0			5.0
			(SC) Gray and orange clayey SAND
			6.0
			Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-80

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 2.0 ft, perched
NOTES

LOGGED BY KPF
CHECKED BY KPF

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
			1.0
			(SP) Pale brown SAND
2.5			2.5
5.0			(SC/CL) Gray and orange very clayey SAND
			6.0
			Bottom of borehole at 6.0 feet.

(Continued Next Page)

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Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TP-81

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 2.0 ft, perched
NOTES

LOGGED BY KPF
CHECKED BY KPF

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5			(SC) Gray and orange clayey SAND
5.0			
6.0			Bottom of borehole at 6.0 feet.

TEST PIT NO. TP-82

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 0.5 ft, perched
NOTES

LOGGED BY KPF
CHECKED BY KPF

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0		AU 1	(SC/CL) Gray and orange very clayey SAND
2.5			
5.0			
6.0			Bottom of borehole at 6.0 feet.

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TPR-1

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 3.5 ft, perched
LOGGED BY KPF
CHECKED BY KPF
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5			
4.0			(SC) Gray and orange clayey SAND
5.0		AU 1	
6.0			Bottom of borehole at 6.0 feet.

TEST PIT NO. TPR-2

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 2.0 ft, perched
LOGGED BY KPF
CHECKED BY KPF
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.5			(SP) Pale brown SAND
2.5			(SC) Gray and orange clayey SAND
5.0			
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TPR-3

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 3.5 ft, perched
NOTES
LOGGED BY KPF
CHECKED BY KPF

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5			
4.0			(SC) Gray and orange clayey SAND
5.0		AU 1	
6.0			Bottom of borehole at 6.0 feet.

TEST PIT NO. TPR-4

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 0.5 ft, perched
NOTES
LOGGED BY KPF
CHECKED BY KPF

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SC) Orange clayey SAND
2.5			
3.5			(SC/CL) Red and orange very clayey SAND
5.0			
6.0			Bottom of borehole at 6.0 feet.

(Continued Next Page)

GSE Engineering & Consulting, Inc.
5590 SW 64th St.
Gainesville, FL 32608
Telephone: (352)377-3233
Fax: (352)377-0335

CLIENT Tara Esmeralda **PROJECT NAME** Mr. Sayed Moukhtara

PROJECT NUMBER 14682 **PROJECT LOCATION** Gainesville, Alachua County, Florida

TEST PIT NO. TPR-5

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH 3.0 ft, perched
LOGGED BY KPF
CHECKED BY KPF
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
1.0			(SP) Pale brown SAND
2.5			
3.5			(SC) Gray and orange clayey SAND
5.0			
6.0			Bottom of borehole at 6.0 feet.

TEST PIT NO. TPR-6

DATE PERFORMED 6/16/2020
DRILLING CONTRACTOR GSE Engineering & Consulting, Inc.
GROUND WATER LEVELS:
AT TIME OF DRILLING NE
ESTIMATED SEASONAL HIGH >6.0 ft
LOGGED BY KPF
CHECKED BY KPF
NOTES

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP-SM) Brown SAND with silt
0.5			(SP) Pale brown SAND
2.5		AU 1	
5.0			
6.0			Bottom of borehole at 6.0 feet.

5.4 Laboratory Results

GSE Engineering & Consulting, Inc.

SUMMARY REPORT OF LABORATORY TEST RESULTS

Project Number: 14682

Project Name: Tara Esmeralda

Boring Number	Depth (ft)	Soil Description	Natural Moisture Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	Percent Passing No. 200 Sieve	Organic Content (%)	Hydraulic Conductivity (ft/day)	Unified Soil Classification
P-2	0-2	Gray and brown SAND with silt	7.0				8.9		6.0	SP-SM
P-5	5-7	Pale gray and brown SAND with silt	3.1				6.2		19	SP-SM
P-6	2-4	Gray and brown SAND with silt	12				9.5		5.1	SP-SM
P-9	2-4	Brown and gray SAND with silt	15				9.8		6.9	SP-SM
P-10	1-3	Brown and gray SAND with silt	13				10		5.3	SP-SM
P-12	6-8	Pale brown and gray SAND with silt	8.1				7.3		11	SP-SM
B-1	8.5-10	Dense pale gray and orange very clayey SAND	27				48			SC/CL
B-2	8.5-10	Medium dense brown and orange very clayey SAND	19				41			SC/CL
B-5	4-5.5	Medium dense to very dense gray and brown very clayey SAND	21	39	18	21	43			SC/CL
B-7	2.5-4	Very loose to medium dense pale gray SAND with silt	1.6				6.2			SP-SM
R-2	4.5-5	Brown and orange very clayey SAND	15				34			SC/CL
R-4	2-2.5	Brown, gray, and orange very clayey SAND	16				35			SC/CL

GSE Engineering & Consulting, Inc.

SUMMARY REPORT OF LABORATORY TEST RESULTS

Project Number: 14682

Project Name: Tara Esmeralda

Boring Number	Depth (ft)	Soil Description	Natural Moisture Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	Percent Passing No. 200 Sieve	Organic Content (%)	Hydraulic Conductivity (ft/day)	Unified Soil Classification
TP-7	3-3.5	Gray and orange CLAY with sand	36	73	25	48	74			CL/CH
TP-8	2.5-3	Pale green and orange CLAY	45	94	32	62	88			CL/CH
TP-19	4.5-5	Gray and orange sandy CLAY	30	54	21	33	55			CL/CH
TP-23	2-2.5	Gray, brown, and orange sandy CLAY	35				60			CL/CH
TP-53	3-3.5	Gray, red, and orange CLAY with sand	33	58	23	35	70			CL/CH
TP-79	1.5-2	Pale brown SAND with silt	3.9				5.7			SP-SM

5.5 Key to Soil Classification

KEY TO SOIL CLASSIFICATION CHART

Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests				SYMBOLS		GROUP NAME
				GRAPHIC	LETTER	
COARSE-GRAINED SOILS More than 50% retained on No. 200 sieve	Gravels More than 50% of coarse fraction retained on No. 4 sieve	Clean Gravels Less than 5% fines	Cu ≥ 4 and 1 ≤ Cc ≤ 3		GW	Well graded GRAVEL
			Cu < 4 and/or 1 > Cc > 3		GP	Poorly graded GRAVEL
		Gravels with fines More than 12% fines	Fines classify as ML or MH		GM	Silty GRAVEL
			Fines classify as CL or CH		GC	Clayey GRAVEL
	Sands 50% or more of coarse fraction passes No. 4 sieve	Clean Sands Less than 5% fines	Cu ≥ 6 and 1 ≤ Cc ≤ 3		SW	Well graded SAND
			Cu < 6 and/or 1 > Cc > 3		SP	Poorly graded SAND
		Sand with fines 5% ≤ fines < 12%	Fines classify as ML or MH		SP-SM	SAND with silt
			Fines classify as CL or CH		SP-SC	SAND with clay
		Sand with fines 12% ≤ fines < 30%	Fines classify as ML or MH		SM	Silty SAND
			Fines classify as CL or CH		SC	Clayey SAND
		Sand with fines 30% fines or more	Fines classify as ML or MH		SM	Very silty SAND
			Fines classify as CL or CH		SC	Very clayey SAND
FINE-GRAINED SOILS 50% or more passes the No. 200 sieve	Clays	inorganic	50% ≤ fines < 70%		CL/CH	Sandy CLAY
			70% ≤ fines < 85%		CL/CH	CLAY with sand
			fines ≥ 85%		CL/CH	CLAY
	Silts and Clays Liquid Limit less than 50	inorganic	PI > 7 and plots on/above "A" line		CL	Lean CLAY
			PI < 4 or plots below "A" line		ML	SILT
		organic	Liquid Limit - oven dried / Liquid Limit - not dried < 0.75		OL	Organic clay / Organic silt
	Silts and Clays Liquid Limit 50 or more	inorganic	PI plots on or above "A" line		CH	Fat CLAY
			PI plots below "A" line		MH	Elastic SILT
		organic	Liquid Limit - oven dried / Liquid Limit - not dried < 0.75		OH	Organic clay / Organic silt
HIGHLY ORGANIC SOILS	Primarily organic matter, dark in color, and organic odor				PT	PEAT

CORRELATION OF PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY

	No. OF BLOWS, N	RELATIVE DENSITY
	0 - 4	Very Loose
	5 - 10	Loose
SANDS:	11 - 30	Medium dense
	31 - 50	Dense
	OVER 50	Very Dense

	No. OF BLOWS, N	CONSISTENCY
	0 - 2	Very Soft
SILTS	3 - 4	Soft
&	5 - 8	Firm
CLAYS:	9 - 15	Stiff
	16 - 30	Very Stiff
	31 - 50	Hard
	OVER 50	Very Hard

	No. OF BLOWS, N	RELATIVE DENSITY
	0 - 8	Very Soft
	9 - 18	Soft
LIMESTONE:	19 - 32	Moderately Hard
	33 - 50	Hard
	OVER 50	Very Hard

SAMPLE GRAPHIC TYPE LEGEND

Location of SPT Sample

Location of Auger Sample

PARTICLE SIZE IDENTIFICATION

BOULDERS:		Greater than 300 mm
COBBLES:		75 mm to 300 mm
GRAVEL:	Coarse -	19.0 mm to 75 mm
	Fine -	4.75 mm to 19.0 mm
SANDS:	Coarse -	2.00 mm to 4.75 mm
	Medium -	0.425 mm to 2.00 mm
	Fine -	0.075 mm to 0.425 mm
SILTS & CLAYS:		Less than 0.075 mm

LABORATORY TEST LEGEND

LL	=	Liquid Limit, %
PL	=	Plastic Limit, %
PI	=	Plasticity Index, %
% PASS - 200	=	Percent Passing the No. 200 Sieve
MC	=	Moisture Content, %
ORG	=	Organic Content, %
k_h	=	Horizontal Hydraulic Conductivity, ft/day

6.0 LIMITATIONS

6.1 Warranty

This report has been prepared for our client for his exclusive use, in accordance with generally accepted soil and foundation engineering practices, and makes no other warranty either expressed or implied as to the professional advice provided in the report.

6.2 Borings and Test Pits

The determination of soil type and conditions was performed from the ground surface to the maximum depth of the borings and test pits, only. Any changes in subsurface conditions that occur between or below the borings and test pits would not have been detected or reflected in this report.

Soil classifications that were made in the field are based upon identifiable textural changes, color changes, changes in composition or changes in resistance to penetration in the intervals from which the samples were collected. Abrupt changes in soil type, as reflected in boring logs and/or cross sections may not actually occur, but instead, be transitional.

Depth to the water table is based upon observations made during the performance of borings and test pits. This depth is an estimate and does not reflect the annual variations that would be expected in this area due to fluctuations in rainfall and rates of evapotranspiration.

6.3 Site Figures

The measurements used for the preparation of the figures in this report were made using the provided site plan and by estimating distances from existing structures and site features. Figures in this report were not prepared by a licensed land surveyor and should not be interpreted as such.

6.4 Unanticipated Soil Conditions

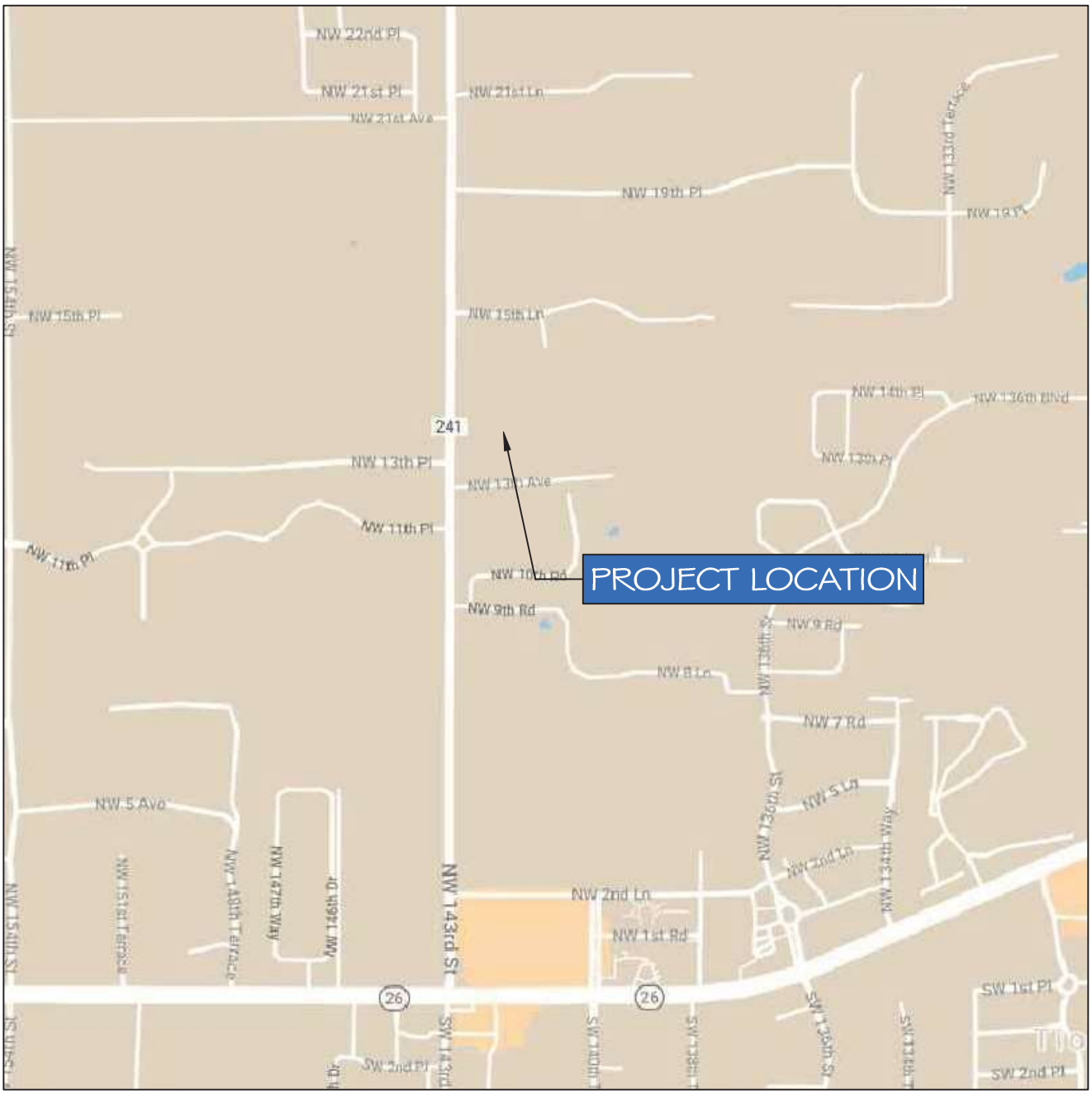
The analysis and recommendations submitted in this report are based upon the data obtained from soil borings and test pits performed at the locations indicated on Figure 2. This report does not reflect any variations that may occur between these borings and test pits.

The nature and extent of variations between borings may not become known until excavation begins. If variations appear, we may have to re-evaluate our recommendations after performing on-site observations and noting the characteristics of any variations.

6.5 Misinterpretation of Soil Engineering Report

GSE Engineering & Consulting, Inc. is responsible for the conclusions and opinions contained within this report based upon the data relating only to the specific project and location discussed herein. If others make the conclusions or recommendations based upon the data presented, those conclusions or recommendations are not the responsibility of GSE.

FIGURES



NORTH

NOT TO SCALE

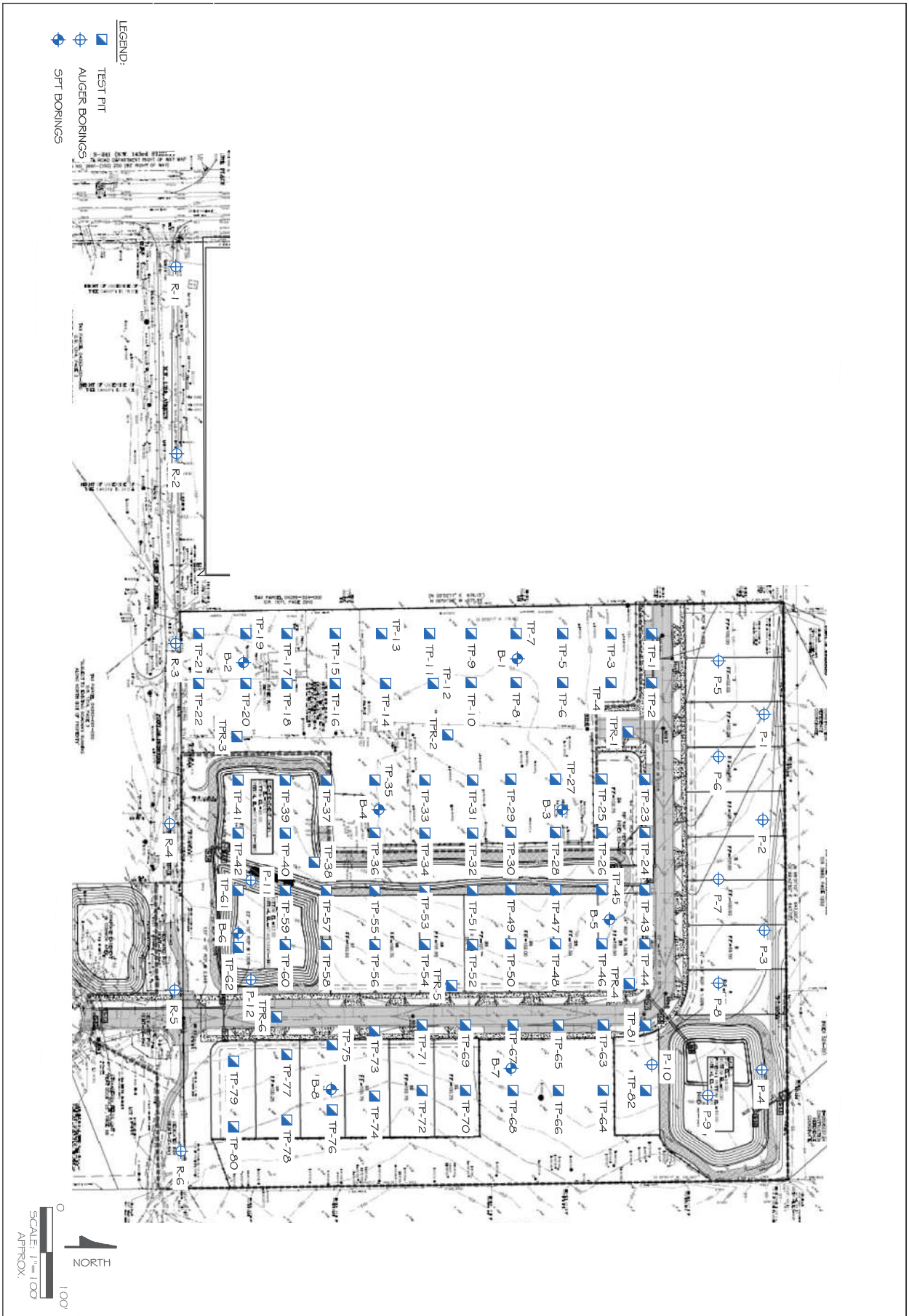
TARA ESMERALDA
GAINESVILLE, ALACHUA COUNTY, FLORIDA
GSE PROJECT NO. 14682

PROJECT SITE LOCATION MAP

DESIGNED BY: KPF
CHECKED BY : KLH
DRAWN BY : SCL

GSE Engineering & Consulting, Inc.

FIGURE 1



TARA ESMERALDA
GAINESVILLE, ALACHUA COUNTY, FLORIDA
GSE PROJECT NO. 14682

SITE PLAN SHOWING APPROXIMATE LOCATION OF FIELD TESTS

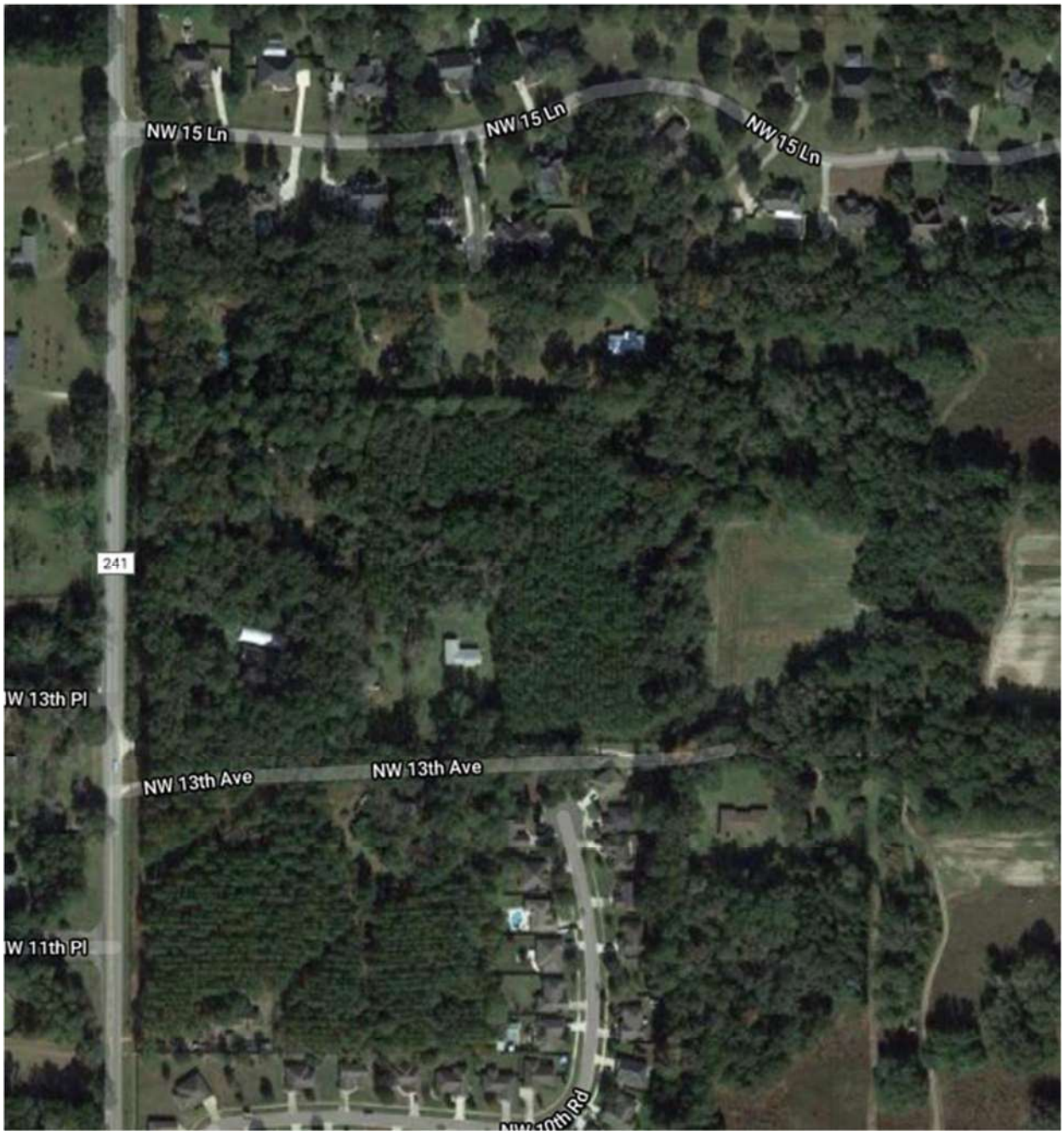
DESIGNED BY: KPF
CHECKED BY : KLH
DRAWN BY : SCL

GSE Engineering & Consulting, Inc.

FIGURE
2

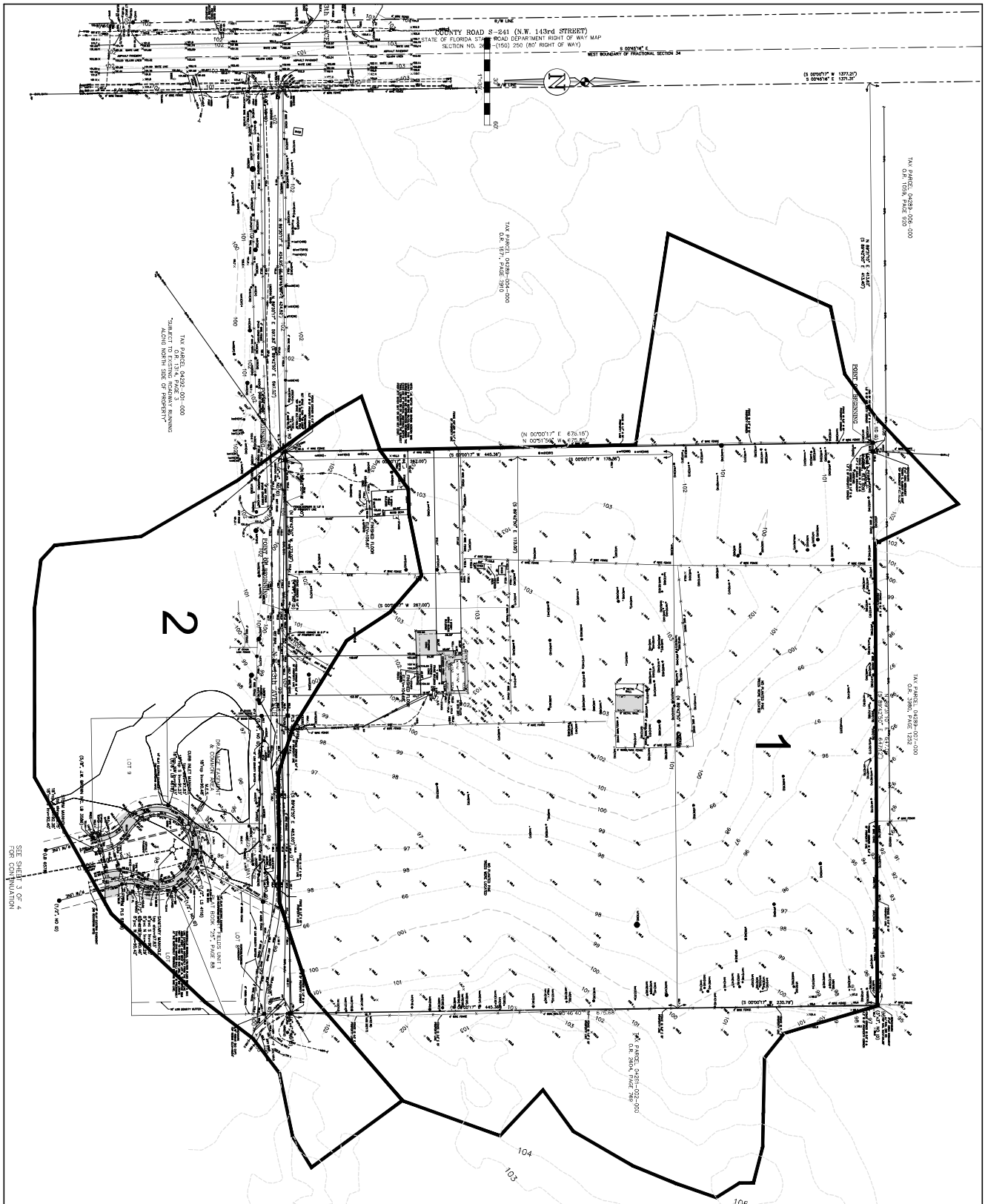
Attachment B

Aerial Photograph


NW 15 Ln
NW 15 Ln
NW 15 Ln
241
W 13th Pl
NW 13th Ave
NW 13th Ave
W 11th Pl

Attachment C

Pre- and Post-Development Drainage Maps



PRE

Sheet No. 1 of 4

Fieldbook	Page	Survey Date	Drawing Completed	Revised
		06/29/2020	06/29/2020	

PREPARED FOR: 1) SAYED MOUKHTARA
2)
3)
4)

THIS SURVEY MEETS THE STANDARDS OF PRACTICE AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027 (2019), FLORIDA STATUTES. THIS SURVEY DEPICTS THE SITE CONDITIONS AS OF 06/29/2020

Project No. 2020-0060.500
Drawn: A.L.
Check: B.G.

eda consultants inc.
Corporate Authorization No. LB 2389
BY: ROBERT W. CRAVER P.S.M. 4239

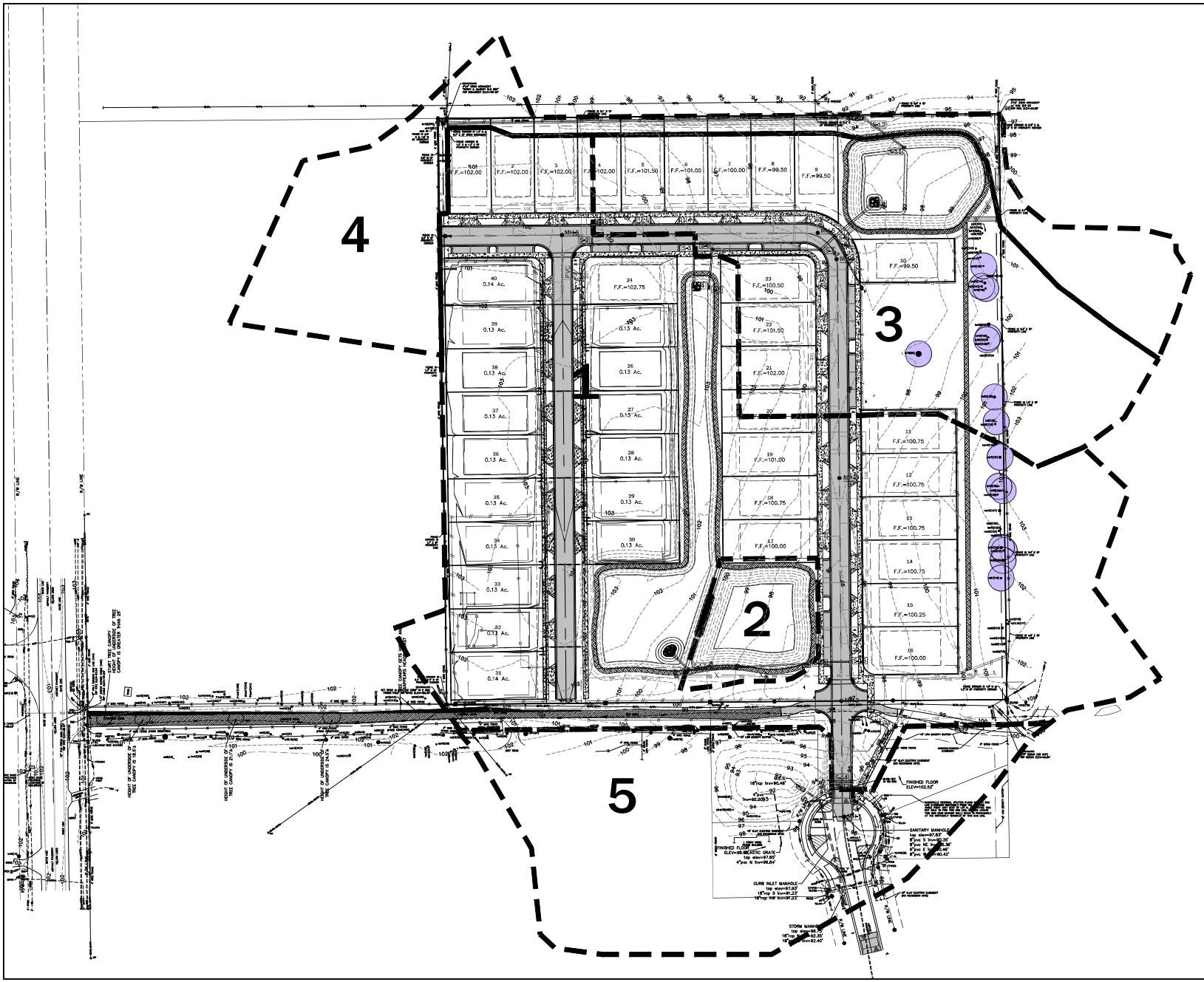
SEE SHEET 1 OF 4 FOR ORIGINAL SIGNATURE AND RAISED SEAL

eda consultants inc.
LB 2389
720 S.W. 2nd Ave, South Tower, Suite 300
GAINESVILLE, FLORIDA 32601
TEL (352)373-6541
www.edafl.com mail@edafl.com

FLOOD INSURANCE RATE MAP STATEMENT

THE REAL PROPERTY SHOWN HEREON LIES WITHIN ZONE(s) X (UNSHADED) AS DESIGNATED ON THE FLOOD INSURANCE RATE MAP NUMBER 12001C0290D ; COMMUNITY NUMBER: 120001 ; PANEL: 0290 ; EFFECTIVE DATE: 06/16/06 . SAID MAP DESCRIBES ZONE(s) X (UNSHADED) AS BEING "AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN."

No.	Date	Comment



eda
consultants inc.
FB 2281
720 S.W. 2nd Ave. South Tower, Suite 300
GAINESVILLE, FLORIDA 32601
TEL: (352) 373-3541
www.edafl.com mail@edafl.com

NORTH
SCALE: 1" = 50'
0 25 50 100
GRAPHIC SCALE

No.	Date	Comment

Professional Engineer of Record:

Claudia S. Vega, P.E. — Engineer
51532 — Certificate No.

Project No: 20-060

Project phase: COUNTY SUBMITTAL

Project title:
TARA ESMERALDA - PHASE I
ALACHUA COUNTY, FLORIDA

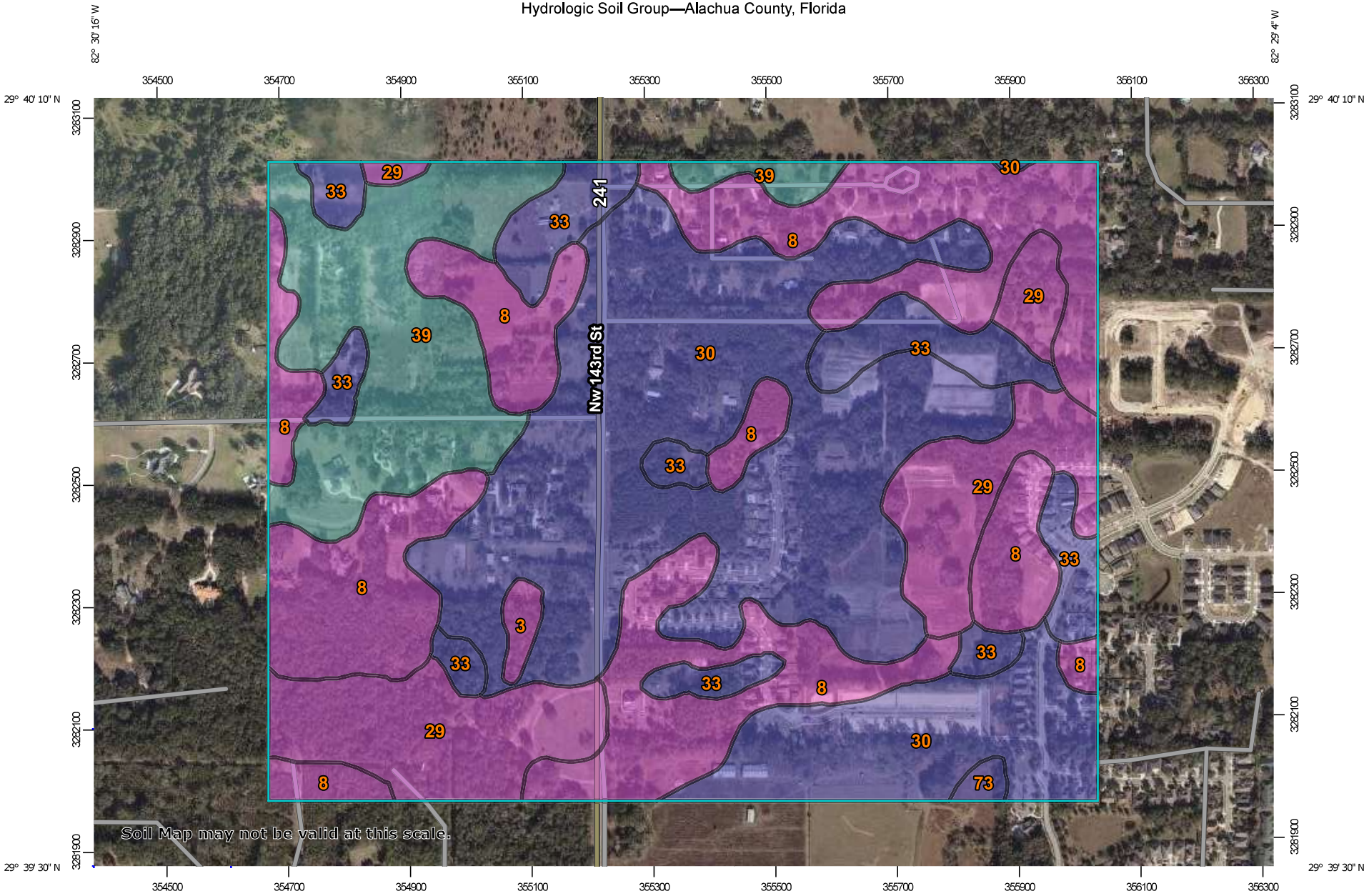
Sheet title:
DRAINAGE MAP

Designed: CSV	Sheet No.:
Drawn: SLP	POST
Checked: DJM	
Date: 04/05/21	

Attachment D

Soils Map

Hydrologic Soil Group—Alachua County, Florida



Map Scale: 1:8,870 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 100 200 400 600

Feet: 0 400 800 1600 2400

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

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
- C
- C/D
- D
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

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: Alachua County, Florida
Survey Area Data: Version 21, Jun 5, 2020

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

Date(s) aerial images were photographed: Oct 19, 2018—Jan 1, 2020

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
3	Arredondo fine sand, 0 to 5 percent slopes	A	1.9	0.5%
8	Millhopper sand, 0 to 5 percent slopes	A	101.7	28.8%
29	Lochloosa fine sand, 2 to 5 percent slopes	A	42.7	12.1%
30	Kendrick sand, 2 to 5 percent slopes	B	130.7	37.0%
33	Norfolk loamy fine sand, 2 to 5 percent slopes	B	31.0	8.8%
39	Bonneau fine sand, 2 to 5 percent slopes	C	43.7	12.4%
73	Kendrick sand, 5 to 8 percent slopes	B	1.2	0.3%
Totals for Area of Interest			**353.0**	**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

Attachment E

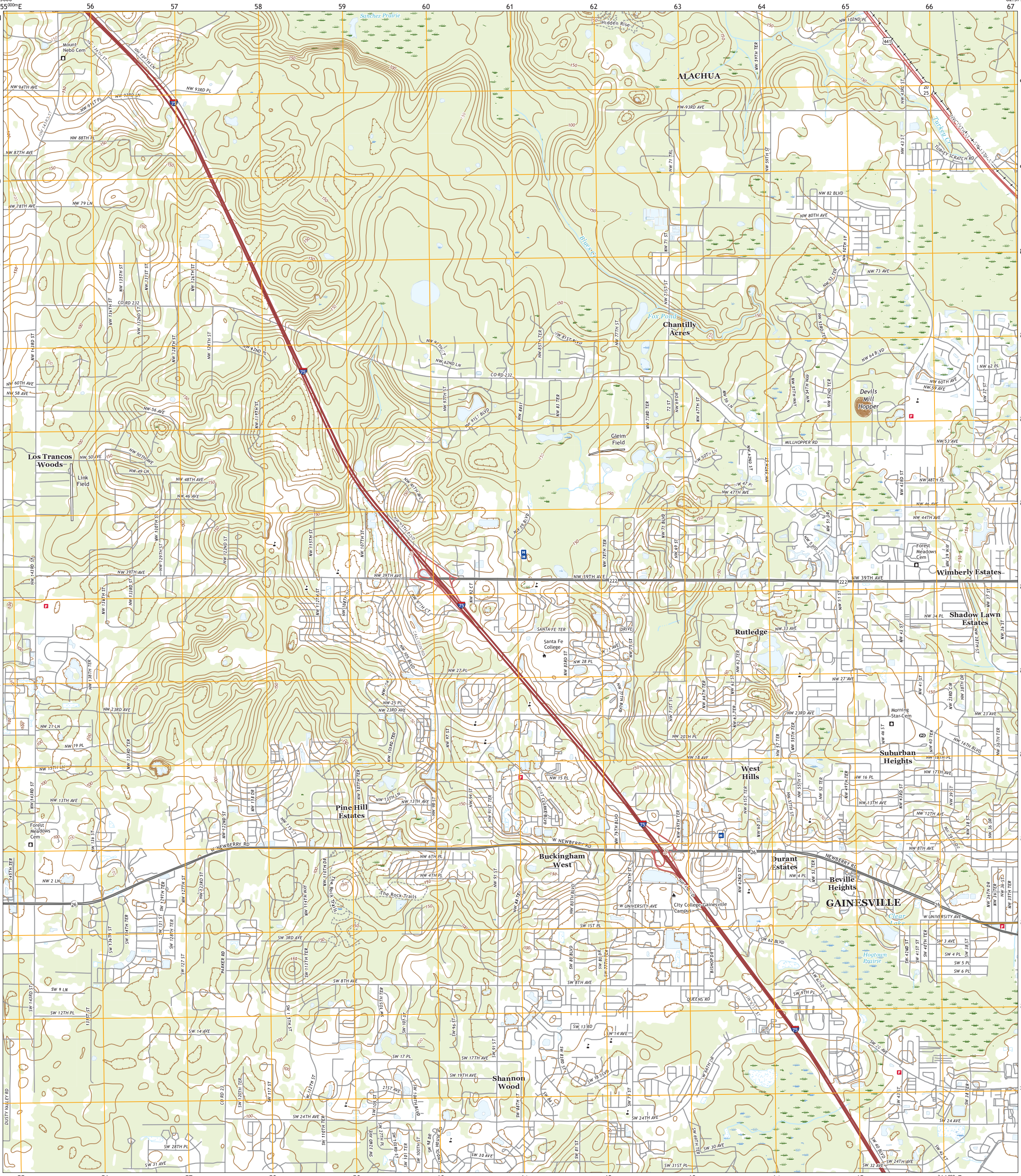
Quad Map

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

USGS science for a changing world

The National Map US Topo

GAINESVILLE WEST QUADRANGLE
FLORIDA - ALACHUA COUNTY
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid:Universal Transverse Mercator, Zone 17R

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery.....NAIP, November 2015 - January 2016
Roads.....U.S. Census Bureau, 2016
Names.....GNIS, 1979 - 2018
Hydrography.....National Hydrography Dataset, 2002 - 2018
Contours.....National Elevation Dataset, 2012 - 2018
Boundaries.....Multiple sources; see metadata file 2014 - 2016
Public Land Survey System.....BLM, 2017
Wetlands.....FWS National Wetlands Inventory 1984

MN
GN
5°49´
103 MILS
0°43´
13 MILS

UTM GRID AND 2017 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square ID
LN
Grid Zone Designation
17R

SCALE 1:24 000

KILOMETERS, METERS, MILES, FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.18

FLORIDA
QUADRANGLE LOCATION

1 High Springs
2 Alachua
3 Monteocha
4 Newberry
5 Gainesville East
6 Archer
7 Arredondo
8 Micanopy

ADJOINING QUADRANGLES

ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

GAINESVILLE WEST, FL
2018

NSN. 7643016360586
NGA REF NO. USGSX24K16652

Attachment F

FEMA Map

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles, Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures.** Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures in this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 17. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

Spatial Reference System Division
National Geodetic Survey, NOAA
Silver Spring Metro Center
1315 East-West Highway
Silver Spring, Maryland 20910
(301) 713-3191

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242**, or visit their website at www.ngs.noaa.gov.

Base map information shown on this FIRM was derived from U.S. Geological Survey Digital Orthophoto Quadrangles (DOQs) procured at a scale of 1:12,000 from photography dated 1994 or later.

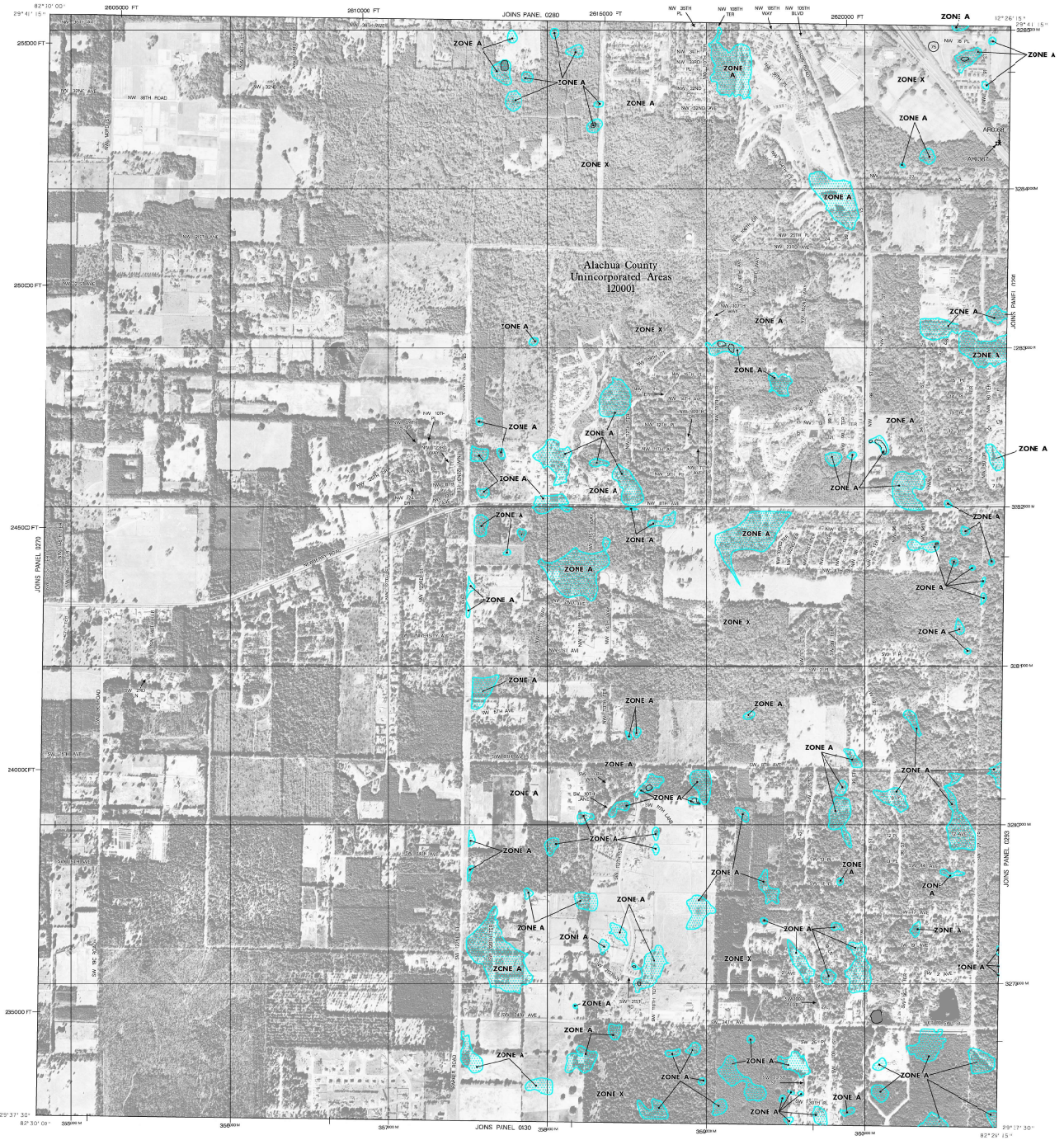
This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and their website at www.fema.gov/msc.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at www.fema.gov.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined.

ZONE AE Base Flood Elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

ZONE AR Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.

ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.

ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.

ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary

0.2% annual chance floodplain boundary

Floodway boundary

Zone D boundary

CBRS and OPA boundary

Boundary dividing Special Flood Hazard Areas Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.

513 — Base Flood Elevation line and value; elevation in feet*

(EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

*Referenced to the North American Vertical Datum of 1988

A — A — Cross section line

23 — 23 — Transect line

97°07' 30", 32°22' 30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)

4276000 M — 1000-meter Universal Transverse Mercator grid values, zone 17

600000 FT — 5000-foot grid ticks: Florida State Plane coordinate system, north zone (FIPSZONE 903), Lambert Conformal Conic projection

DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)

M1.5 — River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
JUNE 16, 2006

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 1000'
500 0 1000 2000 FEET
300 0 300 600 METERS

NFIP — NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0290D

FIRM
FLOOD INSURANCE RATE MAP
ALACHUA COUNTY,
FLORIDA
AND INCORPORATED AREAS

PANEL 290 OF 640

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
ALACHUA COUNTY	120001	0290	D

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
12001C0290D

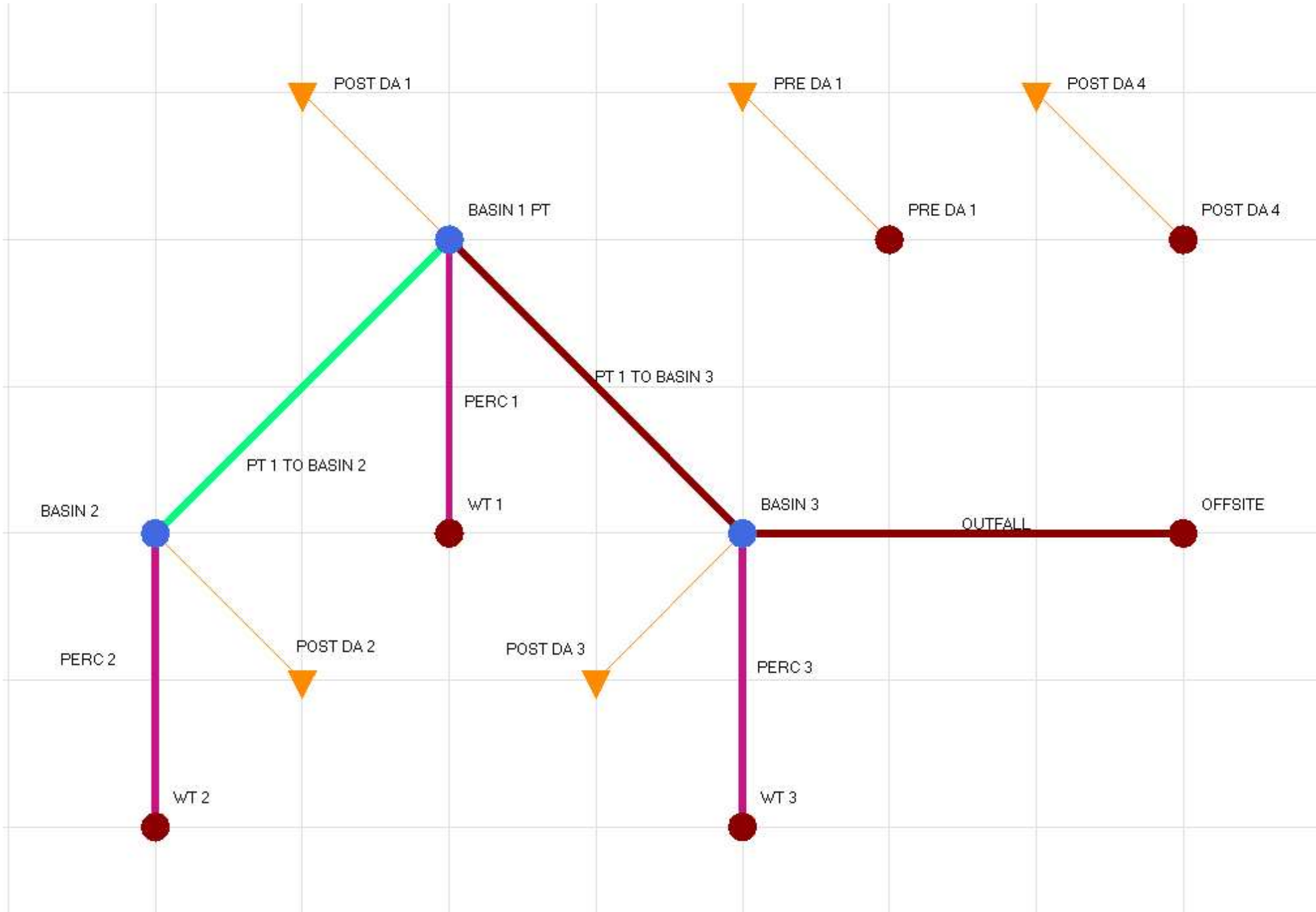
EFFECTIVE DATE
JUNE 16, 2006

Federal Emergency Management Agency

Attachment G

Pre- and Post-Development ICPR Model

ICPR NODE DIAGRAM



Simple Basin: POST DA 1

Scenario:	Scenario1
Node:	BASIN 1 PT
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	8.0500 ac
Curve Number:	79.7
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POST DA 2

Scenario:	Scenario1
Node:	BASIN 2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	0.4300 ac
Curve Number:	87.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POST DA 3

Scenario:	Scenario1
Node:	BASIN 3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	3.3700 ac
Curve Number:	77.4
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: POST DA 4

Scenario:	Scenario1
Node:	POST DA 4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	1.7600 ac
Curve Number:	61.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: PRE DA 1

Scenario:	Scenario1
Node:	PRE DA 1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	22.1100 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	12.1500 ac
Curve Number:	61.4
% Impervious:	0.00
% DCIA:	0.00

% Direct: 0.00
Rainfall Name:

Comment:

Node: BASIN 1 PT

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 96.00 ft
Warning Stage: 97.70 ft

Stage [ft]	Area [ac]	Area [ft2]
96.00	0.4000	17424
96.50	0.4400	19166
96.92	0.4700	20473
97.35	0.5000	21780
97.50	0.5200	22651
98.70	0.5900	25700

Comment:

Node: BASIN 2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 92.00 ft
Warning Stage: 97.70 ft

Stage [ft]	Area [ac]	Area [ft2]
92.00	0.1400	6098
92.50	0.1500	6534
93.50	0.1700	7405
94.00	0.1900	8276
94.50	0.2000	8712
95.50	0.2300	10019
96.40	0.2500	10890
96.50	0.2500	10890
97.50	0.2900	12632
98.70	0.3200	13939

Comment:

Node: BASIN 3

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 92.00 ft
Warning Stage: 97.60 ft

Stage [ft]	Area [ac]	Area [ft2]
92.00	0.0700	3049
92.99	0.0900	3920
93.00	0.2100	9148
93.50	0.2300	10019
94.50	0.2600	11326
95.50	0.2800	12197
96.50	0.3100	13504
97.50	0.3500	15246
98.60	0.3800	16553

Comment:

Node: OFFSITE

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 0.00 ft
Boundary Stage:

Comment:

Node: POST DA 4

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 0.00 ft
Boundary Stage:

Comment:

Node: PRE DA 1

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 0.00 ft
Boundary Stage:

Comment:

Node: WT 1

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 0.00 ft
Boundary Stage:

Comment:

Node: WT 2

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 0.00 ft
Boundary Stage:

Comment:

Node: WT 3

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 0.00 ft
Boundary Stage:

Comment:

Drop Structure Link: OUTFALL		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario1	Invert:	94.00 ft	Invert:	92.00 ft
From Node:	BASIN 3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	OFFSITE	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	20.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	95.50 ft	Ref Node:	
Control Elevation:	95.50 ft	Discharge Coefficients	
Max Depth:	2.00 ft	Weir Default:	3.200
Max Width:	0.50 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Weir Component		Bottom Clip	
Weir:	2	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	94.75 ft	Ref Node:	
Control Elevation:	94.75 ft	Discharge Coefficients	
Max Depth:	0.25 ft		

Max Width:	1.50 ft		
Fillet:	0.00 ft	Weir Default:	3.200
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Percolation Link: PERC 1

Scenario:	Scenario1	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	BASIN 1 PT		
To Node:	WT 1	Vertical Flow Termination:	Horizontal Flow Algorithm
Link Count:	1	Perimeter 1:	1129.00 ft
Flow Direction:	Both	Perimeter 2:	1435.00 ft
Aquifer Base Elevation:	86.50 ft	Perimeter 3:	2036.00 ft
Water Table Elevation:	86.70 ft	Distance P1 to P2:	50.00 ft
Annual Recharge Rate:	0 ipy	Distance P2 to P3:	100.00 ft
Horizontal Conductivity:	3.250 fpd	# of Cells P1 to P2:	5
Vertical Conductivity:	2.000 fpd	# of Cells P2 to P3:	5
Fillable Porosity:	0.200		
Layer Thickness:	9.30 ft		

Comment:

Percolation Link: PERC 2

Scenario:	Scenario1	Surface Area Option:	Vary Based on Stage/Area Table
From Node:	BASIN 2		
To Node:	WT 2	Vertical Flow Termination:	Horizontal Flow Algorithm
Link Count:	1	Perimeter 1:	469.00 ft
Flow Direction:	Both	Perimeter 2:	783.00 ft
Aquifer Base Elevation:	83.50 ft	Perimeter 3:	1411.00 ft
Water Table Elevation:	83.70 ft	Distance P1 to P2:	50.00 ft
Annual Recharge Rate:	0 ipy	Distance P2 to P3:	100.00 ft
Horizontal Conductivity:	3.250 fpd	# of Cells P1 to P2:	5
Vertical Conductivity:	2.000 fpd	# of Cells P2 to P3:	5
Fillable Porosity:	0.200		
Layer Thickness:	8.30 ft		

Comment:

Percolation Link: PERC 3

Scenario:	Scenario1	Surface Area Option:	User Specified
From Node:	BASIN 3	Bottom Elevation:	93.00 ft

To Node:	WT 3		
Link Count:	1	Surface Area:	0.2100 ac
Flow Direction:	Both	Vertical Flow Termination:	Horizontal Flow Algorithm
Aquifer Base Elevation:	82.10 ft	Perimeter 1:	470.00 ft
Water Table Elevation:	82.50 ft	Perimeter 2:	785.00 ft
Annual Recharge Rate:	0 ipy	Perimeter 3:	1413.00 ft
Horizontal Conductivity:	1.500 fpd	Distance P1 to P2:	50.00 ft
Vertical Conductivity:	1.000 fpd	Distance P2 to P3:	100.00 ft
Fillable Porosity:	0.200	# of Cells P1 to P2:	5
Layer Thickness:	10.50 ft	# of Cells P2 to P3:	5

Comment:

Weir Link: PT 1 TO BASIN 2

Scenario:	Scenario1	Bottom Clip	
From Node:	BASIN 1 PT	Default:	0.00 ft
To Node:	BASIN 2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Trapezoidal	Ref Node:	
Invert:	97.06 ft	Discharge Coefficients	
Control Elevation:	97.06 ft	Weir Default:	2.800
Max Depth:	9999.00 ft	Weir Table:	
Extrapolation Method:	Normal Projection	Orifice Default:	0.600
Bottom Width:	35.00 ft	Orifice Table:	
Left Slope:	4.000 (h:v)		
Right Slope:	4.000 (h:v)		

Comment:

Drop Structure Link: PT 1 TO BASIN 3

		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario1	Invert:	93.42 ft	Invert:	91.00 ft
From Node:	BASIN 1 PT	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	BASIN 3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	198.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000

Bend Location: 0.00 dec
Energy Switch: Energy

Pipe Comment:

Weir Component

Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Horizontal
Geometry Type:	Rectangular
Invert:	96.92 ft
Control Elevation:	96.92 ft
Max Depth:	3.00 ft
Max Width:	2.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Simulation: 100yr-001hr

Scenario: Scenario1
Run Date/Time: 7/3/2023 10:43:32 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	721.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	4.40 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100yr-002hr

Scenario: Scenario1
Run Date/Time: 7/3/2023 10:45:38 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	722.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-2
		Rainfall Amount:	5.40 in
Edge Length Option:	Automatic	Storm Duration:	2.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100yr-004hr

Scenario:	Scenario1
Run Date/Time:	7/3/2023 10:47:47 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	724.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-4
		Rainfall Amount:	6.72 in
Edge Length Option:	Automatic	Storm Duration:	4.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100yr-008hr

Scenario: Scenario1
Run Date/Time: 7/3/2023 10:49:55 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	728.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-8
		Rainfall Amount:	8.00 in
Edge Length Option:	Automatic	Storm Duration:	8.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100yr-024hr

Scenario:	Scenario1
Run Date/Time:	7/3/2023 10:52:01 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	744.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-24
		Rainfall Amount:	11.04 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100yr-072hr

Scenario: Scenario1
Run Date/Time: 7/3/2023 10:54:05 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	792.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-72
		Rainfall Amount:	13.80 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100yr-168hr

Scenario:	Scenario1
Run Date/Time:	7/3/2023 10:56:30 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	888.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-168
		Rainfall Amount:	16.00 in
Edge Length Option:	Automatic	Storm Duration:	168.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100yr-240hr

Scenario: Scenario1
Run Date/Time: 7/3/2023 10:59:20 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	960.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-240
		Rainfall Amount:	18.00 in
Edge Length Option:	Automatic	Storm Duration:	240.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simple Basin Runoff Summary [Scenario1]

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
POST DA 1	100yr-001 hr	46.33	0.6167	4.40	2.36	8.0500	79.7	0.00	0.00
POST DA 2	100yr-001 hr	3.05	0.6000	4.40	3.01	0.4300	87.0	0.00	0.00
POST DA 3	100yr-001 hr	18.03	0.6333	4.40	2.17	3.3700	77.4	0.00	0.00
POST DA 4	100yr-001 hr	4.79	0.6667	4.40	1.03	1.7600	61.0	0.00	0.00
PRE DA 1	100yr-001 hr	26.44	0.8333	4.40	1.05	12.1500	61.4	0.00	0.00
POST DA 1	100yr-002 hr	37.82	0.8167	5.40	3.22	8.0500	79.7	0.00	0.00
POST DA 2	100yr-002 hr	2.39	0.8000	5.40	3.96	0.4300	87.0	0.00	0.00
POST DA 3	100yr-002 hr	14.89	0.8167	5.40	3.01	3.3700	77.4	0.00	0.00
POST DA 4	100yr-002 hr	4.29	0.8500	5.40	1.62	1.7600	61.0	0.00	0.00
PRE DA 1	100yr-002 hr	23.79	1.0000	5.40	1.65	12.1500	61.4	0.00	0.00
POST DA 1	100yr-004 hr	22.34	2.0333	6.72	4.42	8.0500	79.7	0.00	0.00
POST DA 2	100yr-004 hr	1.36	2.0167	6.72	5.22	0.4300	87.0	0.00	0.00
POST DA 3	100yr-004 hr	8.90	2.0333	6.72	4.17	3.3700	77.4	0.00	0.00
POST DA 4	100yr-004 hr	2.99	2.5167	6.72	2.51	1.7600	61.0	0.00	0.00
PRE DA 1	100yr-004 hr	19.97	2.6000	6.72	2.54	12.1500	61.4	0.00	0.00
POST DA 1	100yr-008 hr	23.89	4.0000	8.00	5.60	8.0500	79.7	0.00	0.00
POST DA 2	100yr-008 hr	1.38	4.0000	8.00	6.47	0.4300	87.0	0.00	0.00
POST DA 3	100yr-008 hr	9.70	4.0000	8.00	5.33	3.3700	77.4	0.00	0.00
POST DA 4	100yr-008 hr	3.66	4.0167	8.00	3.45	1.7600	61.0	0.00	0.00
PRE DA 1	100yr-008 hr	23.84	4.0667	8.00	3.50	12.1500	61.4	0.00	0.00
POST DA 1	100yr-024 hr	8.03	12.0000	11.04	8.50	8.0500	79.7	0.00	0.00
POST DA 2	100yr-024 hr	0.46	12.0000	11.04	9.45	0.4300	87.0	0.00	0.00
POST DA 3	100yr-024 hr	3.27	12.0000	11.04	8.19	3.3700	77.4	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
POST DA 4	100yr-024 hr	1.29	12.0000	11.04	5.91	1.7600	61.0	0.00	0.00
PRE DA 1	100yr-024 hr	8.84	12.0500	11.04	5.97	12.1500	61.4	0.00	0.00
POST DA 1	100yr-072 hr	5.36	59.9167	13.80	11.18	8.0500	79.7	0.00	0.00
POST DA 2	100yr-072 hr	0.29	59.9167	13.80	12.19	0.4300	87.0	0.00	0.00
POST DA 3	100yr-072 hr	2.22	59.9167	13.80	10.85	3.3700	77.4	0.00	0.00
POST DA 4	100yr-072 hr	1.03	59.9333	13.80	8.31	1.7600	61.0	0.00	0.00
PRE DA 1	100yr-072 hr	7.14	60.0000	13.80	8.37	12.1500	61.4	0.00	0.00
POST DA 1	100yr-168 hr	3.74	160.0000	16.00	13.34	8.0500	79.7	0.00	0.00
POST DA 2	100yr-168 hr	0.20	160.0000	16.00	14.37	0.4300	87.0	0.00	0.00
POST DA 3	100yr-168 hr	1.56	160.0000	16.00	12.99	3.3700	77.4	0.00	0.00
POST DA 4	100yr-168 hr	0.75	160.0000	16.00	10.29	1.7600	61.0	0.00	0.00
PRE DA 1	100yr-168 hr	5.21	160.0000	16.00	10.35	12.1500	61.4	0.00	0.00
POST DA 1	100yr-240 hr	4.92	184.0000	18.00	15.30	8.0500	79.7	0.00	0.00
POST DA 2	100yr-240 hr	0.27	184.0000	18.00	16.36	0.4300	87.0	0.00	0.00
POST DA 3	100yr-240 hr	2.05	184.0000	18.00	14.95	3.3700	77.4	0.00	0.00
POST DA 4	100yr-240 hr	0.98	184.0000	18.00	12.13	1.7600	61.0	0.00	0.00
PRE DA 1	100yr-240 hr	6.81	184.0000	18.00	12.19	12.1500	61.4	0.00	0.00

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
BASIN 1 PT	100yr-001hr	97.70	97.47	0.0010	46.33	40.05	22468
BASIN 2	100yr-001hr	97.70	96.02	0.0010	29.04	0.24	10524
BASIN 3	100yr-001hr	97.60	96.13	0.0010	29.61	3.36	13025
BASIN 1 PT	100yr-002hr	97.70	97.43	0.0010	37.82	35.20	22255
BASIN 2	100yr-002hr	97.70	97.08	0.0010	25.15	0.44	11895
BASIN 3	100yr-002hr	97.60	96.77	0.0010	26.15	5.16	13973
BASIN 1 PT	100yr-004hr	97.70	97.62	0.0010	22.34	22.04	22954
BASIN 2	100yr-004hr	97.70	97.62	0.0010	14.74	1.81	12761
BASIN 3	100yr-004hr	97.60	97.48	-0.0010	17.00	7.67	15217
BASIN 1 PT	100yr-008hr	97.70	97.74	0.0010	23.89	23.40	23266
BASIN 2	100yr-008hr	97.70	97.74	0.0010	16.84	1.11	12895
BASIN 3	100yr-008hr	97.60	97.60	0.0010	18.08	8.03	15367
BASIN 1 PT	100yr-024hr	97.70	97.18	0.0010	8.03	7.96	21267
BASIN 2	100yr-024hr	97.70	97.18	0.0010	4.14	0.44	12075
BASIN 3	100yr-024hr	97.60	96.98	0.0010	7.20	5.72	14346
BASIN 1 PT	100yr-072hr	97.70	97.13	0.0010	5.36	5.36	21125
BASIN 2	100yr-072hr	97.70	96.46	0.0010	2.29	0.22	10890
BASIN 3	100yr-072hr	97.60	96.86	0.0010	5.40	5.20	14130
BASIN 1 PT	100yr-168hr	97.70	97.11	0.0010	3.74	3.74	21045
BASIN 2	100yr-168hr	97.70	95.83	0.0010	1.24	0.16	10334
BASIN 3	100yr-168hr	97.60	96.56	-0.0010	4.17	4.16	13611
BASIN 1 PT	100yr-240hr	97.70	97.21	0.0010	4.92	4.91	21355
BASIN 2	100yr-240hr	97.70	97.21	0.0010	2.04	1.01	12126
BASIN 3	100yr-240hr	97.60	97.00	0.0010	6.30	5.60	14377

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
OUTFALL - Pipe	100yr-001hr	2.83	0.00	0.00	0.00	0.00	0.00
OUTFALL - Weir: 1	100yr-001hr	0.81	0.00	0.00	2.55	2.55	2.55
OUTFALL - Weir: 2	100yr-001hr	2.02	0.00	0.00	5.40	5.40	5.40
PERC 1	100yr-001hr	0.52	0.00	-0.33	0.00	0.00	0.00
PERC 2	100yr-001hr	0.24	0.00	-0.02	0.00	0.00	0.00
PERC 3	100yr-001hr	2.19	0.00	2.08	0.00	0.00	0.00
PT 1 TO BASIN 2	100yr-001hr	26.54	0.00	0.04	1.77	1.77	1.77
PT 1 TO BASIN 3 - Pipe	100yr-001hr	13.00	0.00	0.03	0.00	0.00	0.00
PT 1 TO BASIN 3 - Weir: 1	100yr-001hr	13.00	0.00	-0.02	2.37	2.37	2.37
OUTFALL - Pipe	100yr-002hr	4.76	0.00	0.00	0.00	0.00	0.00
OUTFALL - Weir: 1	100yr-002hr	2.29	0.00	0.00	3.61	3.61	3.61
OUTFALL - Weir: 2	100yr-002hr	2.48	0.00	0.00	6.61	6.61	6.61
PERC 1	100yr-002hr	0.52	0.00	-0.32	0.00	0.00	0.00
PERC 2	100yr-002hr	0.28	0.00	0.01	0.00	0.00	0.00
PERC 3	100yr-002hr	1.39	0.00	1.28	0.00	0.00	0.00
PT 1 TO BASIN 2	100yr-002hr	22.97	-0.16	-0.05	1.69	1.69	1.69
PT 1 TO BASIN 3 - Pipe	100yr-002hr	11.72	0.00	0.03	0.00	0.00	0.00
PT 1 TO BASIN 3 - Weir: 1	100yr-002hr	11.72	0.00	0.02	2.29	2.29	2.29
OUTFALL - Pipe	100yr-004hr	7.27	0.00	-0.01	0.00	0.00	0.00
OUTFALL - Weir: 1	100yr-004hr	4.47	0.00	0.00	4.51	4.51	4.51
OUTFALL - Weir: 2	100yr-004hr	2.80	0.00	0.00	7.47	7.47	7.47
PERC 1	100yr-004hr	0.53	0.00	-0.29	0.00	0.00	0.00
PERC 2	100yr-004hr	0.30	0.00	-0.02	0.00	0.00	0.00
PERC 3	100yr-004hr	0.54	0.00	0.31	0.00	0.00	0.00
PT 1 TO BASIN 2	100yr-004hr	13.40	-1.52	-0.15	1.42	1.42	1.42
PT 1 TO	100yr-004hr	8.13	0.00	0.02	0.00	0.00	0.00

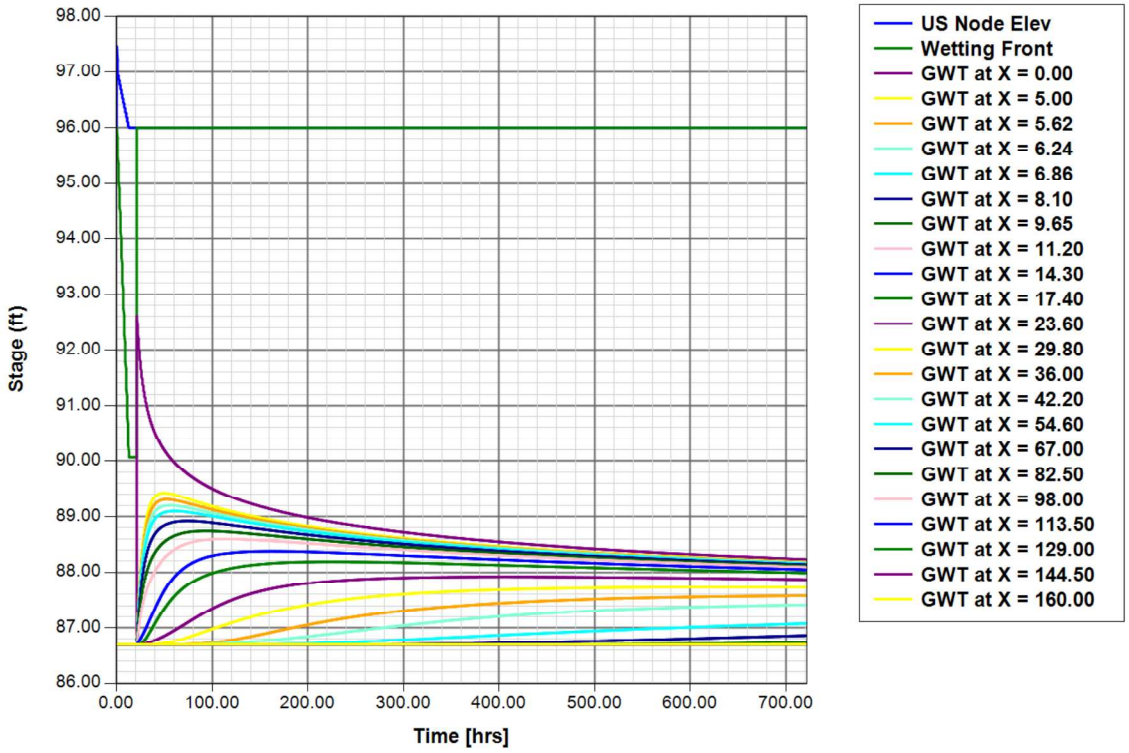
Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
BASIN 3 - Pipe							
PT 1 TO BASIN 3 - Weir: 1	100yr-004hr	8.13	0.00	0.02	2.03	2.03	2.03
OUTFALL - Pipe	100yr-008hr	7.68	0.00	-0.01	0.00	0.00	0.00
OUTFALL - Weir: 1	100yr-008hr	4.82	0.00	0.00	4.82	4.82	4.82
OUTFALL - Weir: 2	100yr-008hr	2.85	0.00	0.00	7.61	7.61	7.61
PERC 1	100yr-008hr	0.54	0.00	-0.29	0.00	0.00	0.00
PERC 2	100yr-008hr	0.30	0.00	0.02	0.00	0.00	0.00
PERC 3	100yr-008hr	0.52	0.00	0.16	0.00	0.00	0.00
PT 1 TO BASIN 2	100yr-008hr	15.54	-0.83	-0.20	1.49	1.49	1.49
PT 1 TO BASIN 3 - Pipe	100yr-008hr	8.52	0.00	0.02	0.00	0.00	0.00
PT 1 TO BASIN 3 - Weir: 1	100yr-008hr	8.52	0.00	0.02	2.06	2.06	2.06
OUTFALL - Pipe	100yr-024hr	5.46	0.00	0.00	0.00	0.00	0.00
OUTFALL - Weir: 1	100yr-024hr	2.89	0.00	0.00	3.90	3.90	3.90
OUTFALL - Weir: 2	100yr-024hr	2.57	0.00	0.00	6.87	6.87	6.87
PERC 1	100yr-024hr	0.49	0.00	-0.14	0.00	0.00	0.00
PERC 2	100yr-024hr	0.28	0.00	0.02	0.00	0.00	0.00
PERC 3	100yr-024hr	0.27	0.00	0.09	0.00	0.00	0.00
PT 1 TO BASIN 2	100yr-024hr	3.69	-0.16	-0.06	0.93	0.93	0.93
PT 1 TO BASIN 3 - Pipe	100yr-024hr	4.10	0.00	-0.02	0.00	0.00	0.00
PT 1 TO BASIN 3 - Weir: 1	100yr-024hr	4.10	0.00	-0.01	1.60	1.60	1.60
OUTFALL - Pipe	100yr-072hr	5.05	0.00	0.00	0.00	0.00	0.00
OUTFALL - Weir: 1	100yr-072hr	2.54	0.00	0.00	3.73	3.73	3.73
OUTFALL - Weir: 2	100yr-072hr	2.52	0.00	0.00	6.72	6.72	6.72
PERC 1	100yr-072hr	0.49	0.00	-0.04	0.00	0.00	0.00
PERC 2	100yr-072hr	0.22	0.00	0.02	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
PERC 3	100yr-072hr	0.18	0.00	0.08	0.00	0.00	0.00
PT 1 TO BASIN 2	100yr-072hr	2.00	0.00	-0.02	0.76	0.76	0.76
PT 1 TO BASIN 3 - Pipe	100yr-072hr	3.18	0.00	-0.02	0.00	0.00	0.00
PT 1 TO BASIN 3 - Weir: 1	100yr-072hr	3.18	0.00	-0.02	1.48	1.48	1.48
OUTFALL - Pipe	100yr-168hr	4.09	0.00	0.01	0.00	0.00	0.00
OUTFALL - Weir: 1	100yr-168hr	1.75	0.00	0.00	3.30	3.30	3.30
OUTFALL - Weir: 2	100yr-168hr	2.34	0.00	0.00	6.25	6.25	6.25
PERC 1	100yr-168hr	0.48	0.00	-0.03	0.00	0.00	0.00
PERC 2	100yr-168hr	0.16	0.00	0.02	0.00	0.00	0.00
PERC 3	100yr-168hr	0.19	0.00	0.11	0.00	0.00	0.00
PT 1 TO BASIN 2	100yr-168hr	1.04	0.00	-0.02	0.00	0.00	0.00
PT 1 TO BASIN 3 - Pipe	100yr-168hr	2.61	0.00	-0.02	0.00	0.00	0.00
PT 1 TO BASIN 3 - Weir: 1	100yr-168hr	2.61	0.00	-0.02	1.39	1.39	1.39
OUTFALL - Pipe	100yr-240hr	5.52	0.00	0.01	0.00	0.00	0.00
OUTFALL - Weir: 1	100yr-240hr	2.94	0.00	0.00	3.92	3.92	3.92
OUTFALL - Weir: 2	100yr-240hr	2.58	0.00	0.00	6.89	6.89	6.89
PERC 1	100yr-240hr	0.48	0.00	0.06	0.00	0.00	0.00
PERC 2	100yr-240hr	0.25	0.00	-0.04	0.00	0.00	0.00
PERC 3	100yr-240hr	0.22	0.00	0.07	0.00	0.00	0.00
PT 1 TO BASIN 2	100yr-240hr	1.78	-0.79	-0.15	0.73	0.73	0.73
PT 1 TO BASIN 3 - Pipe	100yr-240hr	4.25	0.00	-0.02	0.00	0.00	0.00
PT 1 TO BASIN 3 - Weir: 1	100yr-240hr	4.25	0.00	-0.02	1.59	1.59	1.59

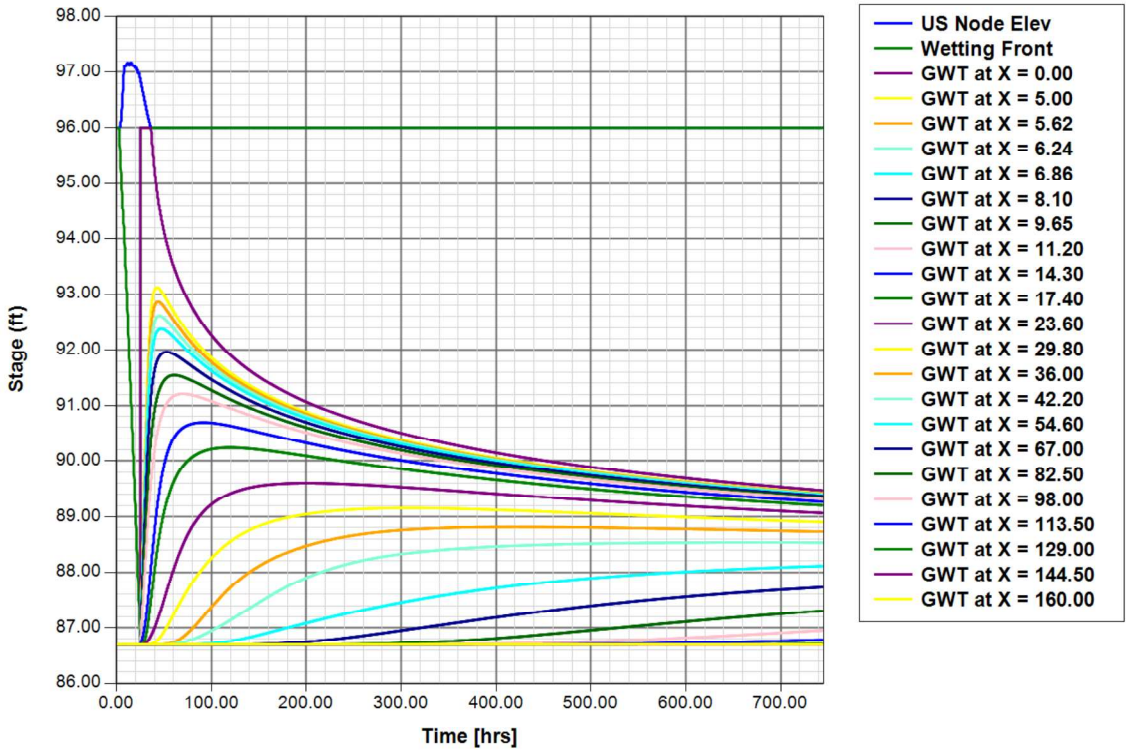
DISCHARGE VOLUME REPORT

Sim	Node Name	Total Inflow Volume [ac_ft]
100yr-001hr	OFFSITE	0.42
100yr-001hr	POST DA 4	0.15
100yr-001hr	PRE DA 1	1.06
100yr-002hr	OFFSITE	0.91
100yr-002hr	POST DA 4	0.24
100yr-002hr	PRE DA 1	1.67
100yr-004hr	OFFSITE	1.92
100yr-004hr	POST DA 4	0.37
100yr-004hr	PRE DA 1	2.58
100yr-008hr	OFFSITE	2.90
100yr-008hr	POST DA 4	0.51
100yr-008hr	PRE DA 1	3.54
100yr-024hr	OFFSITE	4.90
100yr-024hr	POST DA 4	0.87
100yr-024hr	PRE DA 1	6.04
100yr-072hr	OFFSITE	6.15
100yr-072hr	POST DA 4	1.22
100yr-072hr	PRE DA 1	8.48
100yr-168hr	OFFSITE	7.53
100yr-168hr	POST DA 4	1.51
100yr-168hr	PRE DA 1	10.48
100yr-240hr	OFFSITE	8.53
100yr-240hr	POST DA 4	1.78
100yr-240hr	PRE DA 1	12.35

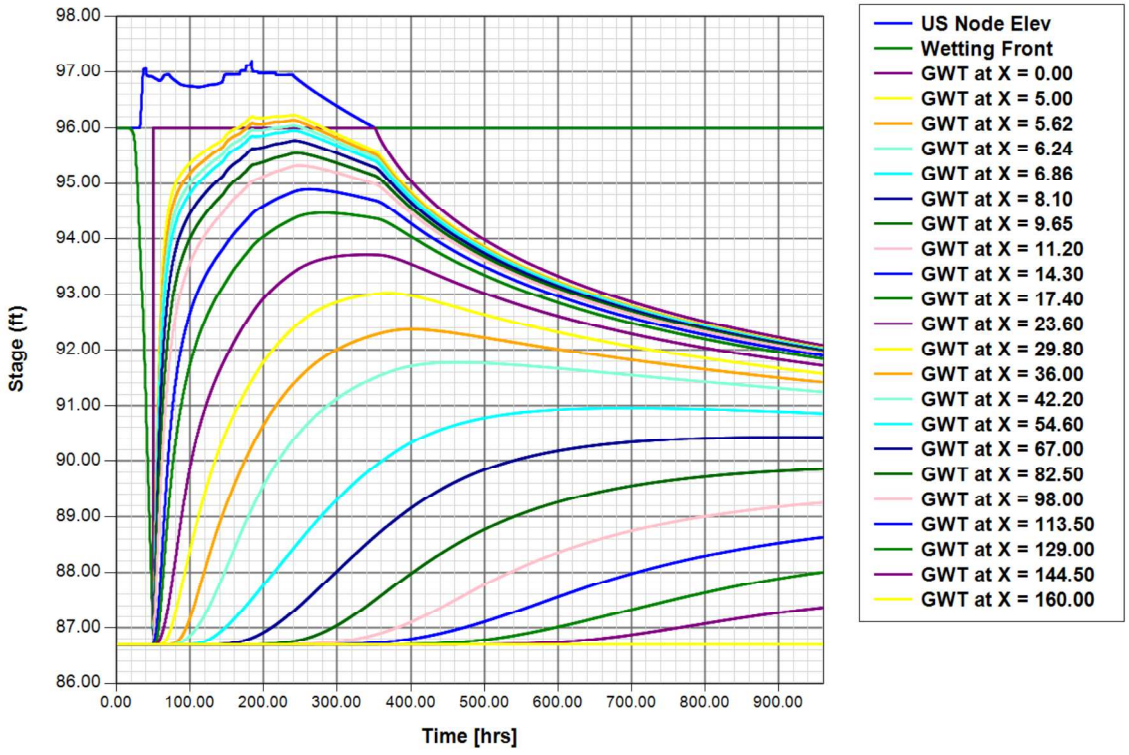
Perc Link: PERC 1 (Sim: 100yr-001hr) [PERC 1]



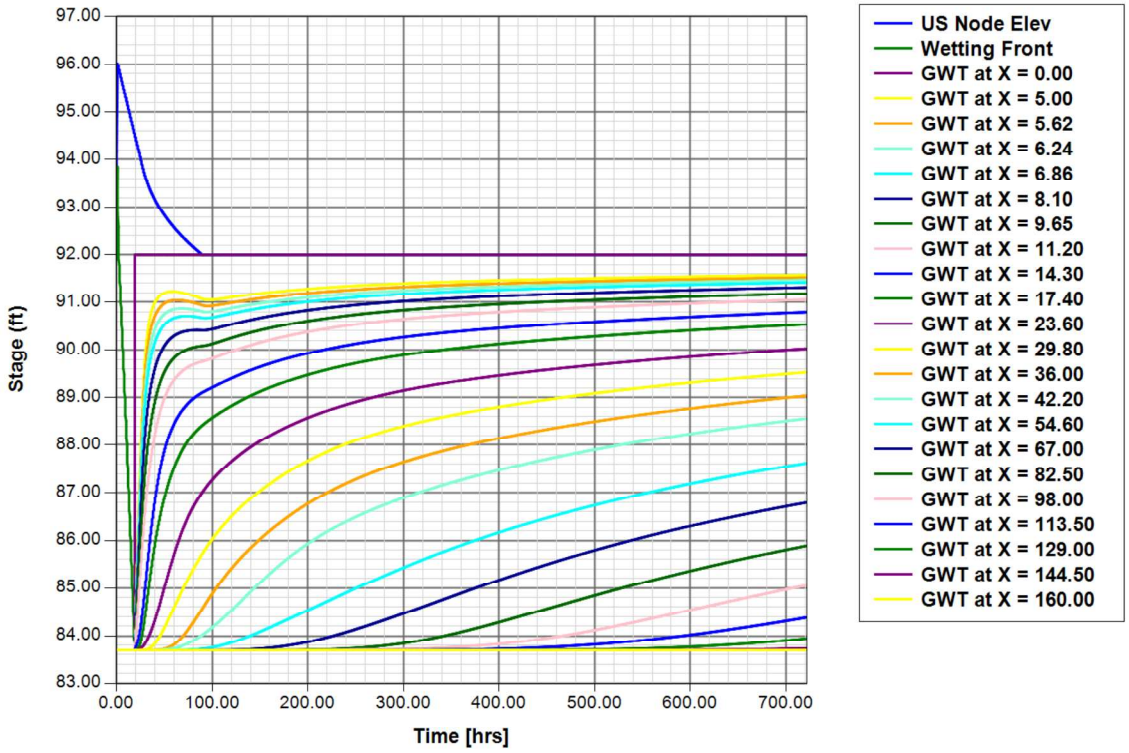
Perc Link: PERC 1 (Sim: 100yr-024hr) [PERC 1]



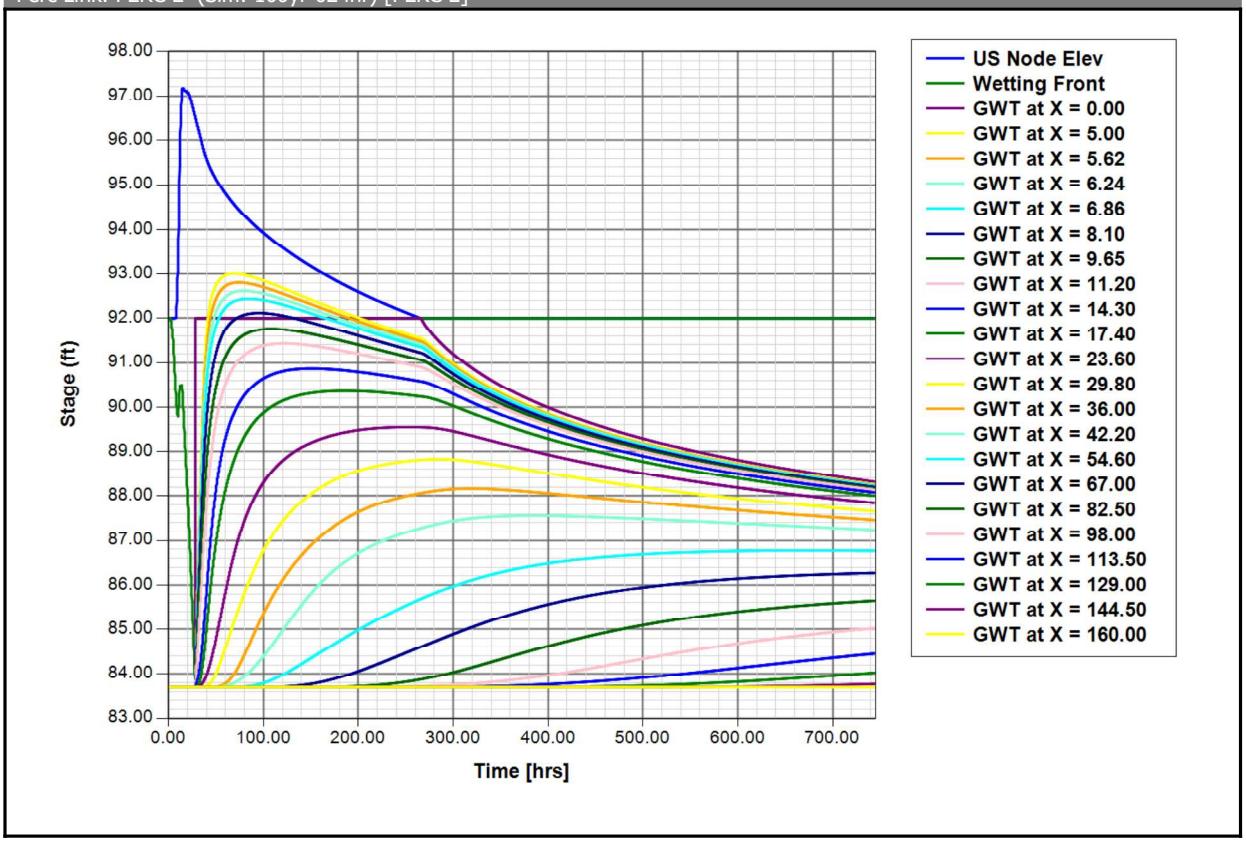
Perc Link: PERC 1 (Sim: 100yr-240hr) [PERC 1]



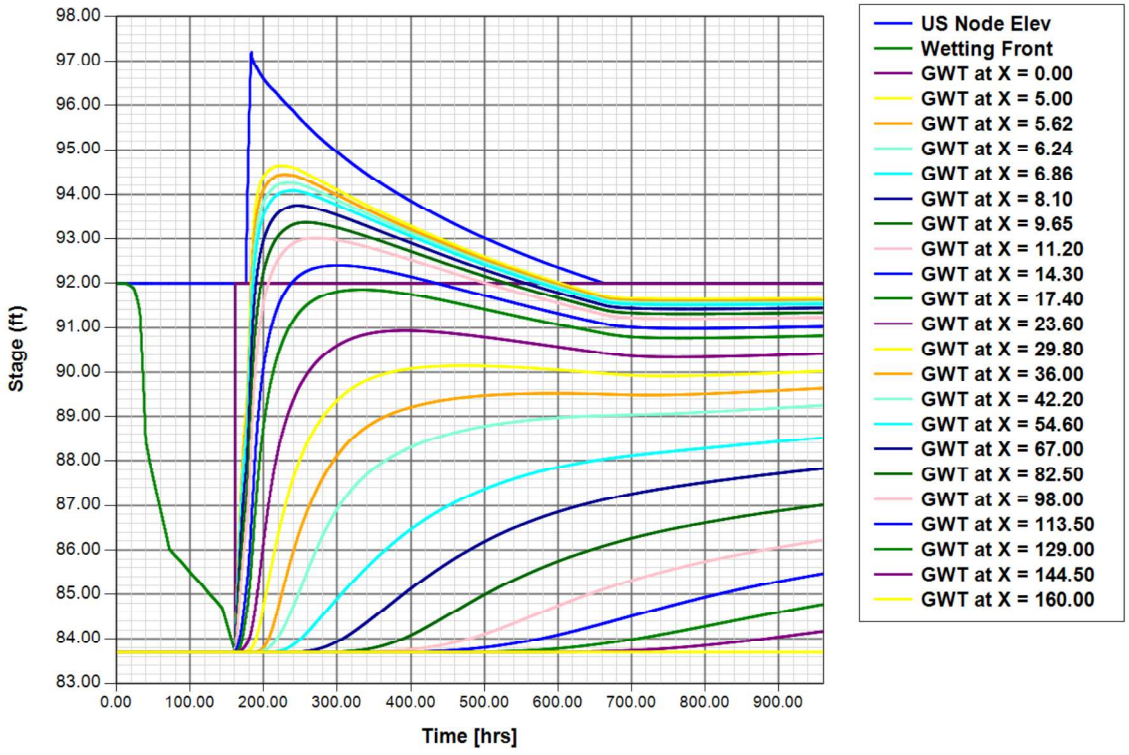
Perc Link: PERC 2 (Sim: 100yr-001hr) [PERC 2]



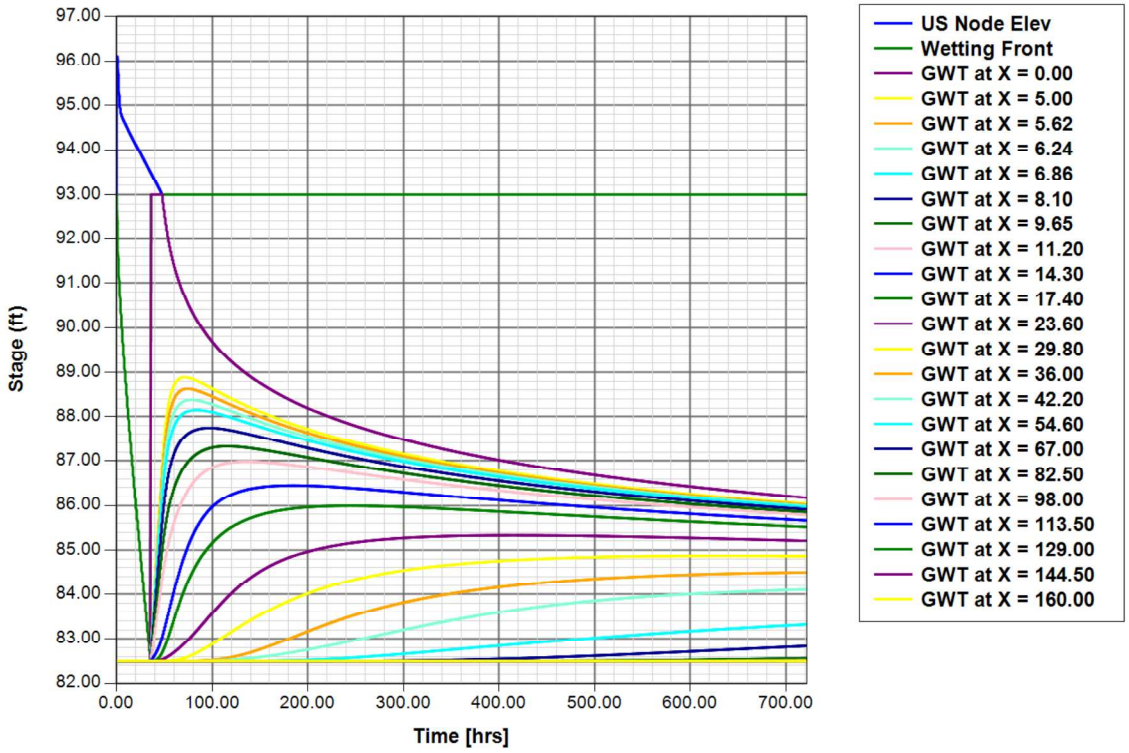
Perc Link: PERC 2 (Sim: 100yr-024hr) [PERC 2]



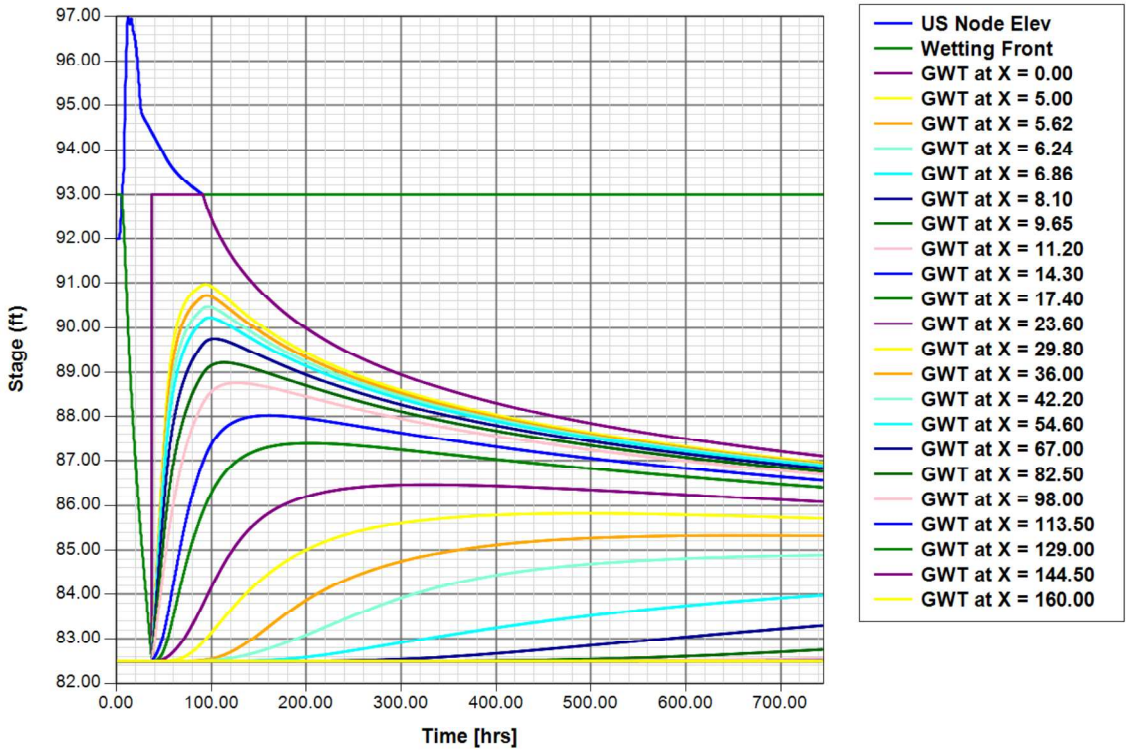
Perc Link: PERC 2 (Sim: 100yr-240hr) [PERC 2]



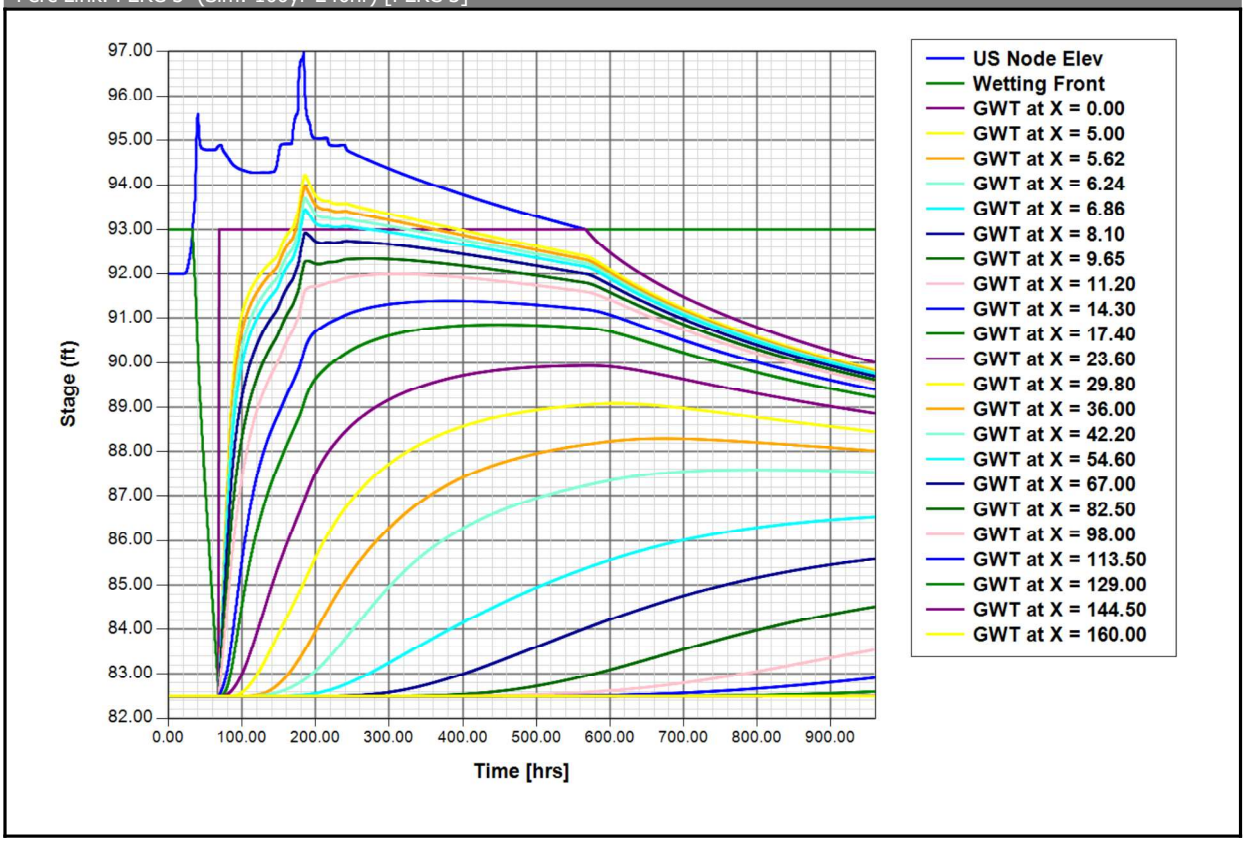
Perc Link: PERC 3 (Sim: 100yr-001hr) [PERC 3]



Perc Link: PERC 3 (Sim: 100yr-024hr) [PERC 3]



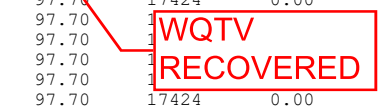
Perc Link: PERC 3 (Sim: 100yr-240hr) [PERC 3]



Attachment H

WQTV Recovery Analysis

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTVBasin 1	(PreTr)	BASE	0.00	96.92	97.70	20630	0.00	-33.99	0.0000	0.0000
WQTVBasin 1	(PreTr)	BASE	0.25	97.04	97.70	21059	0.00	1.89	0.0000	-0.3331
WQTVBasin 1	(PreTr)	BASE	0.50	96.98	97.70	20827	0.00	1.15	0.0000	-0.3014
WQTVBasin 1	(PreTr)	BASE	0.76	96.93	97.70	20679	0.00	0.77	0.0000	-0.2807
WQTVBasin 1	(PreTr)	BASE	1.01	96.90	97.70	20571	0.00	0.71	0.0000	-0.2655
WQTVBasin 1	(PreTr)	BASE	1.26	96.87	97.70	20463	0.00	0.71	0.0000	-0.2511
WQTVBasin 1	(PreTr)	BASE	1.50	96.84	97.70	20356	0.00	0.71	0.0000	-0.2366
WQTVBasin 1	(PreTr)	BASE	1.77	96.81	97.70	20242	0.00	0.70	0.0000	-0.2213
WQTVBasin 1	(PreTr)	BASE	2.01	96.78	97.70	20134	0.00	0.70	0.0000	-0.2071
WQTVBasin 1	(PreTr)	BASE	2.26	96.75	97.70	20027	0.00	0.70	0.0000	-0.1929
WQTVBasin 1	(PreTr)	BASE	2.50	96.72	97.70	19920	0.00	0.69	0.0000	-0.1788
WQTVBasin 1	(PreTr)	BASE	2.77	96.68	97.70	19806	0.00	0.69	0.0000	-0.1638
WQTVBasin 1	(PreTr)	BASE	3.01	96.65	97.70	19698	0.00	0.68	0.0000	-0.1499
WQTVBasin 1	(PreTr)	BASE	3.26	96.62	97.70	19591	0.00	0.68	0.0000	-0.1360
WQTVBasin 1	(PreTr)	BASE	3.50	96.59	97.70	19484	0.00	0.68	0.0000	-0.1222
WQTVBasin 1	(PreTr)	BASE	3.75	96.56	97.70	19377	0.00	0.67	0.0000	-0.1085
WQTVBasin 1	(PreTr)	BASE	4.01	96.53	97.70	19262	0.00	0.67	0.0000	-0.0939
WQTVBasin 1	(PreTr)	BASE	4.26	96.50	97.70	19155	0.00	0.67	0.0000	-0.0803
WQTVBasin 1	(PreTr)	BASE	4.51	96.47	97.70	19048	0.00	0.66	0.0000	-0.0668
WQTVBasin 1	(PreTr)	BASE	4.75	96.44	97.70	18941	0.00	0.66	0.0000	-0.0534
WQTVBasin 1	(PreTr)	BASE	5.01	96.40	97.70	18826	0.00	0.65	0.0000	-0.0392
WQTVBasin 1	(PreTr)	BASE	5.26	96.37	97.70	18719	0.00	0.65	0.0000	-0.0259
WQTVBasin 1	(PreTr)	BASE	5.51	96.34	97.70	18612	0.00	0.65	0.0000	-0.0127
WQTVBasin 1	(PreTr)	BASE	5.75	96.31	97.70	18505	0.00	0.64	0.0000	0.0004
WQTVBasin 1	(PreTr)	BASE	6.02	96.28	97.70	18390	0.00	0.64	0.0000	0.0143
WQTVBasin 1	(PreTr)	BASE	6.26	96.25	97.70	18283	0.00	0.63	0.0000	0.0272
WQTVBasin 1	(PreTr)	BASE	6.51	96.22	97.70	18176	0.00	0.63	0.0000	0.0401
WQTVBasin 1	(PreTr)	BASE	6.75	96.18	97.70	18068	0.00	0.63	0.0000	0.0529
WQTVBasin 1	(PreTr)	BASE	7.00	96.15	97.70	17961	0.00	0.62	0.0000	0.0656
WQTVBasin 1	(PreTr)	BASE	7.26	96.12	97.70	17847	0.00	0.62	0.0000	0.0791
WQTVBasin 1	(PreTr)	BASE	7.51	96.09	97.70	17740	0.00	0.62	0.0000	0.0917
WQTVBasin 1	(PreTr)	BASE	7.76	96.06	97.70	17632	0.00	0.61	0.0000	0.1042
WQTVBasin 1	(PreTr)	BASE	8.00	96.03	97.70	17525	0.00	0.61	0.0000	0.1166
WQTVBasin 1	(PreTr)	BASE	8.26	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	8.51	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	8.76	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	9.00	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	9.27	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	9.51	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	9.76	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	10.00	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	10.27	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	10.51	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	10.76	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	11.00	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	11.25	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	11.51	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	11.76	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	12.01	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	12.25	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	12.51	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	12.76	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	13.01	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	13.25	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	13.52	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	13.76	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	14.01	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	14.25	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	14.50	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	14.76	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	15.01	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	15.26	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	15.50	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	15.75	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	16.00	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	16.25	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	16.50	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	16.75	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	17.00	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	17.25	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	17.50	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	17.75	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	18.00	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	18.25	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	18.50	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	18.75	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	19.00	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	19.25	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	19.50	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	19.75	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	20.00	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	20.25	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	20.50	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	20.75	96.00	97.70	17424	0.00	0.00	0.0000	0.1232
WQTVBasin 1	(PreTr)	BASE	21.00	96.00	97.70	17424	0.00	0.00	0.0000	0.1232



WQTV RECOVERY ANALYSIS

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	Basin 2	BASE	63.76	92.19	97.70	6266	0.00	0.05	-0.3581	1.0009
WQTV	Basin 2	BASE	64.01	92.19	97.70	6260	0.00	0.05	-0.3581	1.0019
WQTV	Basin 2	BASE	64.26	92.18	97.70	6254	0.00	0.05	-0.3581	1.0029
WQTV	Basin 2	BASE	64.51	92.17	97.70	6248	0.00	0.05	-0.3581	1.0039
WQTV	Basin 2	BASE	64.76	92.17	97.70	6242	0.00	0.05	-0.3581	1.0049
WQTV	Basin 2	BASE	65.01	92.16	97.70	6236	0.00	0.05	-0.3581	1.0059
WQTV	Basin 2	BASE	65.26	92.15	97.70	6230	0.00	0.05	-0.3581	1.0069
WQTV	Basin 2	BASE	65.51	92.14	97.70	6224	0.00	0.05	-0.3581	1.0079
WQTV	Basin 2	BASE	65.76	92.14	97.70	6218	0.00	0.05	-0.3581	1.0088
WQTV	Basin 2	BASE	66.01	92.13	97.70	6212	0.00	0.05	-0.3581	1.0098
WQTV	Basin 2	BASE	66.26	92.12	97.70	6207	0.00	0.05	-0.3581	1.0108
WQTV	Basin 2	BASE	66.51	92.12	97.70	6201	0.00	0.05	-0.3581	1.0117
WQTV	Basin 2	BASE	66.76	92.11	97.70	6195	0.00	0.05	-0.3581	1.0127
WQTV	Basin 2	BASE	67.01	92.10	97.70	6189	0.00	0.05	-0.3581	1.0136
WQTV	Basin 2	BASE	67.26	92.10	97.70	6183	0.00	0.05	-0.3581	1.0146
WQTV	Basin 2	BASE	67.51	92.09	97.70	6177	0.00	0.05	-0.3581	1.0155
WQTV	Basin 2	BASE	67.76	92.08	97.70	6171	0.00	0.05	-0.3581	1.0165
WQTV	Basin 2	BASE	68.01	92.08	97.70	6166	0.00	0.05	-0.3581	1.0174
WQTV	Basin 2	BASE	68.26	92.07	97.70	6160	0.00	0.05	-0.3581	1.0184
WQTV	Basin 2	BASE	68.51	92.06	97.70	6154	0.00	0.05	-0.3581	1.0193
WQTV	Basin 2	BASE	68.76	92.06	97.70	6148	0.00	0.05	-0.3581	1.0202
WQTV	Basin 2	BASE	69.01	92.05	97.70	6143	0.00	0.04	-0.3581	1.0212
WQTV	Basin 2	BASE	69.26	92.04	97.70	6137	0.00	0.04	-0.3581	1.0221
WQTV	Basin 2	BASE	69.51	92.04	97.70	6131	0.00	0.04	-0.3581	1.0230
WQTV	Basin 2	BASE	69.76	92.03	97.70	6126	0.00	0.04	-0.3581	1.0239
WQTV	Basin 2	BASE	70.01	92.02	97.70	6120	0.00	0.04	-0.3581	1.0248
WQTV	Basin 2	BASE	70.26	92.02	97.70	6114	0.00	0.04	-0.3581	1.0258
WQTV	Basin 2	BASE	70.51	92.01	97.70	6109	0.00	0.04	-0.3581	1.0267
WQTV	Basin 2	BASE	70.76	92.01	97.70	6103	0.00	0.04	-0.3581	1.0276
WQTV	Basin 2	BASE	71.01	92.00	97.70	6098	0.00	0.00	-0.3581	1.0280
WQTV	Basin 2	BASE	71.26	92.00	97.70	6098	0.00	0.00	-0.3581	1.0280
WQTV	Basin 2	BASE	71.51	92.00	97.70	6098	0.00	0.00	-0.3581	1.0280
WQTV	Basin 2	BASE	71.76	92.00	97.70	6098	0.00	0.00	-0.3581	1.0280
WQTV	Basin 2	BASE	72.00	92.00	97.70	6098	0.00	0.00	-0.3581	1.0280

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
WQTV	Basin 3	BASE	45.75	93.15	97.60	9410	0.00	0.03	0.0390	0.4215
WQTV	Basin 3	BASE	46.00	93.15	97.60	9405	0.00	0.03	0.0390	0.4221
WQTV	Basin 3	BASE	46.25	93.14	97.60	9400	0.00	0.03	0.0390	0.4227
WQTV	Basin 3	BASE	46.50	93.14	97.60	9395	0.00	0.03	0.0390	0.4233
WQTV	Basin 3	BASE	46.75	93.14	97.60	9390	0.00	0.03	0.0390	0.4239
WQTV	Basin 3	BASE	47.00	93.14	97.60	9386	0.00	0.03	0.0390	0.4245
WQTV	Basin 3	BASE	47.25	93.13	97.60	9381	0.00	0.03	0.0390	0.4251
WQTV	Basin 3	BASE	47.50	93.13	97.60	9376	0.00	0.03	0.0390	0.4257
WQTV	Basin 3	BASE	47.75	93.13	97.60	9371	0.00	0.03	0.0390	0.4263
WQTV	Basin 3	BASE	48.00	93.13	97.60	9366	0.00	0.03	0.0390	0.4269
WQTV	Basin 3	BASE	48.25	93.12	97.60	9362	0.00	0.03	0.0390	0.4275
WQTV	Basin 3	BASE	48.50	93.12	97.60	9357	0.00	0.03	0.0390	0.4281
WQTV	Basin 3	BASE	48.75	93.12	97.60	9352	0.00	0.03	0.0390	0.4286
WQTV	Basin 3	BASE	49.00	93.11	97.60	9347	0.00	0.03	0.0390	0.4292
WQTV	Basin 3	BASE	49.25	93.11	97.60	9343	0.00	0.03	0.0390	0.4298
WQTV	Basin 3	BASE	49.50	93.11	97.60	9338	0.00	0.03	0.0390	0.4304
WQTV	Basin 3	BASE	49.75	93.11	97.60	9333	0.00	0.03	0.0390	0.4309
WQTV	Basin 3	BASE	50.00	93.10	97.60	9329	0.00	0.03	0.0390	0.4315
WQTV	Basin 3	BASE	50.25	93.10	97.60	9324	0.00	0.03	0.0390	0.4321
WQTV	Basin 3	BASE	50.50	93.10	97.60	9319	0.00	0.03	0.0390	0.4327
WQTV	Basin 3	BASE	50.75	93.10	97.60	9315	0.00	0.03	0.0390	0.4332
WQTV	Basin 3	BASE	51.00	93.09	97.60	9310	0.00	0.03	0.0390	0.4338
WQTV	Basin 3	BASE	51.25	93.09	97.60	9306	0.00	0.03	0.0390	0.4343
WQTV	Basin 3	BASE	51.50	93.09	97.60	9301	0.00	0.03	0.0390	0.4349
WQTV	Basin 3	BASE	51.75	93.09	97.60	9297	0.00	0.03	0.0390	0.4355
WQTV	Basin 3	BASE	52.00	93.08	97.60	9292	0.00	0.03	0.0390	0.4360
WQTV	Basin 3	BASE	52.25	93.08	97.60	9287	0.00	0.03	0.0390	0.4366
WQTV	Basin 3	BASE	52.50	93.08	97.60	9283	0.00	0.03	0.0390	0.4371
WQTV	Basin 3	BASE	52.75	93.08	97.60	9278	0.00	0.03	0.0390	0.4377
WQTV	Basin 3	BASE	53.00	93.07	97.60	9274	0.00	0.03	0.0390	0.4382
WQTV	Basin 3	BASE	53.25	93.07	97.60	9269	0.00	0.03	0.0390	0.4388
WQTV	Basin 3	BASE	53.50	93.07	97.60	9265	0.00	0.03	0.0390	0.4393
WQTV	Basin 3	BASE	53.75	93.06	97.60	9261	0.00	0.03	0.0390	0.4399
WQTV	Basin 3	BASE	54.00	93.06	97.60	9256	0.00	0.03	0.0390	0.4404
WQTV	Basin 3	BASE	54.25	93.06	97.60	9252	0.00	0.03	0.0390	0.4409
WQTV	Basin 3	BASE	54.50	93.06	97.60	9247	0.00	0.03	0.0390	0.4415
WQTV	Basin 3	BASE	54.75	93.05	97.60	9243	0.00	0.03	0.0390	0.4420
WQTV	Basin 3	BASE	55.00	93.05	97.60	9238	0.00	0.03	0.0390	0.4426
WQTV	Basin 3	BASE	55.25	93.05	97.60	9234	0.00	0.03	0.0390	0.4431
WQTV	Basin 3	BASE	55.50	93.05	97.60	9230	0.00	0.03	0.0390	0.4436
WQTV	Basin 3	BASE	55.75	93.04	97.60	9225	0.00	0.03	0.0390	0.4441
WQTV	Basin 3	BASE	56.00	93.04	97.60	9221	0.00	0.03	0.0390	0.4447
WQTV	Basin 3	BASE	56.25	93.04	97.60	9217	0.00	0.03	0.0390	0.4452
WQTV	Basin 3	BASE	56.50	93.04	97.60	9212	0.00	0.03	0.0390	0.4457
WQTV	Basin 3	BASE	56.75	93.03	97.60	9208	0.00	0.03	0.0390	0.4462
WQTV	Basin 3	BASE	57.00	93.03	97.60	9204	0.00	0.03	0.0390	0.4468
WQTV	Basin 3	BASE	57.25	93.03	97.60	9199	0.00	0.03	0.0390	0.4473
WQTV	Basin 3	BASE	57.50	93.03	97.60	9195	0.00	0.03	0.0390	0.4478
WQTV	Basin 3	BASE	57.75	93.02	97.60	9191	0.00	0.02	0.0390	0.4483
WQTV	Basin 3	BASE	58.00	93.02	97.60	9187	0.00	0.02	0.0390	0.4488
WQTV	Basin 3	BASE	58.25	93.02	97.60	9182	0.00	0.02	0.0390	0.4494
WQTV	Basin 3	BASE	58.50	93.02	97.60	9178	0.00	0.02	0.0390	0.4499
WQTV	Basin 3	BASE	58.75	93.02	97.60	9174	0.00	0.02	0.0390	0.4504
WQTV	Basin 3	BASE	59.00	93.01	97.60	9170	0.00	0.02	0.0390	0.4509
WQTV	Basin 3	BASE	59.25	93.01	97.60	9166	0.00	0.02	0.0390	0.4514
WQTV	Basin 3	BASE	59.50	93.01	97.60	9161	0.00	0.02	0.0390	0.4519
WQTV	Basin 3	BASE	59.75	93.01	97.60	9157	0.00	0.02	0.0390	0.4524
WQTV	Basin 3	BASE	60.00	93.00	97.60	9153	0.00	0.02	0.0390	0.4529
WQTV	Basin 3	BASE	60.25	93.00	97.60	9149	0.00	0.02	0.0390	0.4534
WQTV	Basin 3	BASE	60.50	93.00	97.60	9148	0.00	0.00	0.0390	0.4537
WQTV	Basin 3	BASE	60.75	93.00	97.60	9148	0.00	0.00	0.0390	0.4537
WQTV	Basin 3	BASE	61.00	93.00	97.60	9148	0.00	0.00	0.0390	0.4537
WQTV	Basin 3	BASE	61.25	93.00	97.60	9148	0.00	0.00	0.0390	0.4537
WQTV	Basin 3	BASE	61.50	93.00	97.60	9148	0.00	0.00	0.0390	0.4537
WQTV	Basin 3	BASE	61.75	93.00	97.60	9148	0.00	0.00	0.0390	0.4537
WQTV	Basin 3	BASE	62.00	93.00	97.60	9148	0.00	0.00	0.0390	0.4537
WQTV	Basin 3	BASE	62.25	93.00	97.60	9148	0.00	0.00	0.0390	0.4537
WQTV	Basin 3	BASE	62.50	93.00	97.60	9148	0.00	0.00	0.0390	0.4537
WQTV	Basin 3	BASE	62.75	93.00	97.60	9148	0.00	0.00	0.0390	0.4537
WQTV	Basin 3	BASE	63.00	93.00	97.60	9148	0.00	0.00	0.0390	0.4537
WQTV	Basin 3	BASE	63.25	93.00	97.60	9148	0.00	0.00	0.0390	0.4537
WQTV	Basin 3	BASE	63.50	93.00	97.60	9148	0.00	0.00	0.0390	0.4537
WQTV	Basin 3	BASE	63.75	93.00	97.60	9148	0.00	0.00	0.0390	0.4537
WQTV	Basin 3	BASE	64.00	93.00	97.60	9148	0.00	0.00	0.0390	0.4537
WQTV	Basin 3	BASE	64.25	93.00	97.60	9148	0.00	0.00	0.0390	0.4537
WQTV	Basin 3	BASE	64.50	93.00	97.60	9148	0.00	0.00	0.0390	0.4537
WQTV	Basin 3	BASE	64.75	93.00	97.60	9148	0.00	0.00	0.0390	0.4537
WQTV	Basin 3	BASE	65.00	93.00	97.60	9148	0.00	0.00	0.0390	0.4537
WQTV	Basin 3	BASE	65.25	93.00	97.60	9148	0.00	0.00	0.0390	0.4537
WQTV	Basin 3	BASE	65.50	93.00	97.60	9148	0.00	0.00	0.0390	0.4537
WQTV	Basin 3	BASE	65.75	93.00	97.60	9148	0.00	0.00	0.0390	0.4537
WQTV	Basin 3	BASE	66.00	93.00	97.60	9148	0.00	0.00	0.0390	0.4537
WQTV	Basin 3	BASE	66.25	93.00	97.60	9148	0.00	0.00	0.0390	0.4537
WQTV	Basin 3	BASE	66.50	93.00	97.60	9148	0.00	0.00	0.0390	0.4537
WQTV	Basin 3	BASE	66.75	93.00	97.60	9148	0.00	0.00	0.0390	0.4537

WQTV RECOVERED

WQTV RECOVERY ANALYSIS

Attachment I

Recovery Analysis

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-001HRBasin 1	(PreTr)	BASE	0.00	96.00	97.70	17424	0.00	0.00	0.0	0.0
100YR-001HRBasin 1	(PreTr)	BASE	0.26	96.00	97.70	17425	0.19	0.16	0.0	0.0
100YR-001HRBasin 1	(PreTr)	BASE	0.50	96.49	97.70	19118	31.65	0.50	0.3	0.0
100YR-001HRBasin 1	(PreTr)	BASE	0.75	97.43	97.70	22407	36.11	38.27	1.0	0.4
100YR-001HRBasin 1	(PreTr)	BASE	1.00	97.21	97.70	21628	5.59	11.82	1.4	0.9
100YR-001HRBasin 1	(PreTr)	BASE	1.25	97.06	97.70	21109	0.14	2.18	1.5	1.1
100YR-001HRBasin 1	(PreTr)	BASE	1.50	96.99	97.70	20878	0.00	1.15	1.5	1.1
100YR-001HRBasin 1	(PreTr)	BASE	1.75	96.95	97.70	20742	0.00	0.72	1.5	1.1
100YR-001HRBasin 1	(PreTr)	BASE	2.01	96.92	97.70	20645	0.00	0.55	1.5	1.1
100YR-001HRBasin 1	(PreTr)	BASE	2.26	96.90	97.70	20564	0.00	0.54	1.5	1.2
100YR-001HRBasin 1	(PreTr)	BASE	2.50	96.88	97.70	20483	0.00	0.53	1.5	1.2
100YR-001HRBasin 1	(PreTr)	BASE	2.75	96.85	97.70	20402	0.00	0.53	1.5	1.2
100YR-001HRBasin 1	(PreTr)	BASE	3.00	96.83	97.70	20320	0.00	0.53	1.5	1.2
100YR-001HRBasin 1	(PreTr)	BASE	3.25	96.81	97.70	20239	0.00	0.53	1.5	1.2
100YR-001HRBasin 1	(PreTr)	BASE	3.51	96.78	97.70	20156	0.00	0.52	1.5	1.2
100YR-001HRBasin 1	(PreTr)	BASE	3.75	96.76	97.70	20074	0.00	0.52	1.5	1.2
100YR-001HRBasin 1	(PreTr)	BASE	4.00	96.74	97.70	19993	0.00	0.52	1.5	1.2
100YR-001HRBasin 1	(PreTr)	BASE	4.25	96.71	97.70	19912	0.00	0.52	1.5	1.2
100YR-001HRBasin 1	(PreTr)	BASE	4.50	96.69	97.70	19831	0.00	0.52	1.5	1.3
100YR-001HRBasin 1	(PreTr)	BASE	4.76	96.67	97.70	[illegible]	[illegible]00	0.51	1.5	1.3
100YR-001HRBasin 1	(PreTr)	BASE	5.00	96.64	97.70	[illegible]	[illegible]00	0.51	1.5	1.3
100YR-001HRBasin 1	(PreTr)	BASE	5.25	96.62	97.70	[illegible]	[illegible]00	0.51	1.5	1.3
100YR-001HRBasin 1	(PreTr)	BASE	5.50	96.60	97.70	19503	0.00	0.51	1.5	1.3
100YR-001HRBasin 1	(PreTr)	BASE	5.75	96.57	97.70	19422	0.00	0.51	1.5	1.3
100YR-001HRBasin 1	(PreTr)	BASE	6.01	96.55	97.70	19339	0.00	0.50	1.5	1.3
100YR-001HRBasin 1	(PreTr)	BASE	6.25	96.53	97.70	19257	0.00	0.50	1.5	1.3
100YR-001HRBasin 1	(PreTr)	BASE	6.50	96.50	97.70	19176	0.00	0.50	1.5	1.3
100YR-001HRBasin 1	(PreTr)	BASE	6.75	96.48	97.70	19095	0.00	0.50	1.5	1.3
100YR-001HRBasin 1	(PreTr)	BASE	7.00	96.46	97.70	19014	0.00	0.50	1.5	1.4
100YR-001HRBasin 1	(PreTr)	BASE	7.26	96.43	97.70	18930	0.00	0.49	1.5	1.4
100YR-001HRBasin 1	(PreTr)	BASE	7.51	96.41	97.70	18849	0.00	0.49	1.5	1.4
100YR-001HRBasin 1	(PreTr)	BASE	7.75	96.39	97.70	18768	0.00	0.49	1.5	1.4
100YR-001HRBasin 1	(PreTr)	BASE	8.00	96.36	97.70	18687	0.00	0.49	1.5	1.4
100YR-001HRBasin 1	(PreTr)	BASE	8.26	96.34	97.70	18601	0.00	0.48	1.5	1.4
100YR-001HRBasin 1	(PreTr)	BASE	8.51	96.31	97.70	18521	0.00	0.48	1.5	1.4
100YR-001HRBasin 1	(PreTr)	BASE	8.76	96.29	97.70	18439	0.00	0.48	1.5	1.4
100YR-001HRBasin 1	(PreTr)	BASE	9.01	96.27	97.70	18358	0.00	0.48	1.5	1.4
100YR-001HRBasin 1	(PreTr)	BASE	9.26	96.24	97.70	18276	0.00	0.48	1.5	1.4
100YR-001HRBasin 1	(PreTr)	BASE	9.51	96.22	97.70	18194	0.00	0.47	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	9.76	96.20	97.70	18113	0.00	0.47	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	10.01	96.17	97.70	18031	0.00	0.47	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	10.26	96.15	97.70	17949	0.00	0.47	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	10.51	96.13	97.70	17868	0.00	0.47	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	10.76	96.10	97.70	17786	0.00	0.46	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	11.01	96.08	97.70	17704	0.00	0.46	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	11.26	96.06	97.70	17623	0.00	0.46	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	11.51	96.03	97.70	17541	0.00	0.46	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	11.76	96.01	97.70	17459	0.00	0.45	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	12.01	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	12.26	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	12.51	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	12.76	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	13.01	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	13.26	96.00	97.70	[illegible]	[illegible]	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	13.51	96.00	97.70	[illegible]	[illegible]	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	13.76	96.00	97.70	[illegible]	[illegible]	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	14.01	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	14.26	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	14.51	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	14.76	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	15.01	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	15.26	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	15.51	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	15.76	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	16.01	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	16.26	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	16.51	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	16.76	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	17.01	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	17.26	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	17.51	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	17.76	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	18.01	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	18.26	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	18.51	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	18.76	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	19.01	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	19.26	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	19.51	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	19.76	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	20.01	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	20.26	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	20.51	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	20.76	96.00	97.70	17424	0.00	0.00	1.5	1.5
100YR-001HRBasin 1	(PreTr)	BASE	21.01	96.00	97.70	17424	0.00	0.00	1.5	1.5

HALF VOLUME RECOVERED

FULL VOLUME RECOVERED

RECOVERY - BASIN 1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-002HRBasin 1	(PreTr)	BASE	1.00	97.34	97.70	22093	21.78	26.29	1.2	0.5
100YR-002HRBasin 1	(PreTr)	BASE	1.25	97.22	97.70	21684	11.72	13.33	1.5	0.9
100YR-002HRBasin 1	(PreTr)	BASE	1.50	97.18	97.70	21543	8.99	9.69	1.8	1.2
100YR-002HRBasin 1	(PreTr)	BASE	1.75	97.15	97.70	21443	6.53	7.37	1.9	1.4
100YR-002HRBasin 1	(PreTr)	BASE	2.00	97.12	97.70	21327	4.23	5.08	2.0	1.5
100YR-002HRBasin 1	(PreTr)	BASE	2.26	97.05	97.70	21096	0.27	2.12	2.1	1.6
100YR-002HRBasin 1	(PreTr)	BASE	2.50	96.99	97.70	20874	0.00	1.14	2.1	1.6
100YR-002HRBasin 1	(PreTr)	BASE	2.75	96.95	97.70	20739	0.00	0.72	2.1	1.6
100YR-002HRBasin 1	(PreTr)	BASE	3.00	96.92	97.70	20646	0.00	0.55	2.1	1.6
100YR-002HRBasin 1	(PreTr)	BASE	3.25	96.90	97.70	20564	0.00	0.54	2.1	1.6
100YR-002HRBasin 1	(PreTr)	BASE	3.51	96.88	97.70	20481	0.00	0.53	2.1	1.7
100YR-002HRBasin 1	(PreTr)	BASE	3.75	96.85	97.70	20400	0.00	0.53	2.1	1.7
100YR-002HRBasin 1	(PreTr)	BASE	4.00	96.83	97.70	20318	0.00	0.53	2.1	1.7
100YR-002HRBasin 1	(PreTr)	BASE	4.25	96.81	97.70	20237	0.00	0.53	2.1	1.7
100YR-002HRBasin 1	(PreTr)	BASE	4.50	96.78	97.70	20156	0.00	0.52	2.1	1.7
100YR-002HRBasin 1	(PreTr)	BASE	4.76	96.76	97.70	20072	0.00	0.52	2.1	1.7
100YR-002HRBasin 1	(PreTr)	BASE	5.00	96.74	97.70	19991	0.00	0.52	2.1	1.7
100YR-002HRBasin 1	(PreTr)	BASE	5.25	96.71	97.70	19910	0.00	0.52	2.1	1.7
100YR-002HRBasin 1	(PreTr)	BASE	5.50	96.69	97.70	19829	0.00	0.52	2.1	1.7
100YR-002HRBasin 1	(PreTr)	BASE	5.75	96.67	97.70	[illegible]	0.00	0.51	2.1	1.8
100YR-002HRBasin 1	(PreTr)	BASE	6.01	96.64	97.70	[illegible]	0.00	0.51	2.1	1.8
100YR-002HRBasin 1	(PreTr)	BASE	6.25	96.62	97.70	[illegible]	0.00	0.51	2.1	1.8
100YR-002HRBasin 1	(PreTr)	BASE	6.50	96.60	97.70	19501	0.00	0.51	2.1	1.8
100YR-002HRBasin 1	(PreTr)	BASE	6.75	96.57	97.70	19420	0.00	0.51	2.1	1.8
100YR-002HRBasin 1	(PreTr)	BASE	7.00	96.55	97.70	19339	0.00	0.50	2.1	1.8
100YR-002HRBasin 1	(PreTr)	BASE	7.26	96.53	97.70	19255	0.00	0.50	2.1	1.8
100YR-002HRBasin 1	(PreTr)	BASE	7.51	96.50	97.70	19174	0.00	0.50	2.1	1.8
100YR-002HRBasin 1	(PreTr)	BASE	7.75	96.48	97.70	19093	0.00	0.50	2.1	1.8
100YR-002HRBasin 1	(PreTr)	BASE	8.00	96.46	97.70	19012	0.00	0.50	2.1	1.8
100YR-002HRBasin 1	(PreTr)	BASE	8.25	96.43	97.70	18930	0.00	0.49	2.1	1.9
100YR-002HRBasin 1	(PreTr)	BASE	8.50	96.41	97.70	18849	0.00	0.49	2.1	1.9
100YR-002HRBasin 1	(PreTr)	BASE	8.76	96.39	97.70	18766	0.00	0.49	2.1	1.9
100YR-002HRBasin 1	(PreTr)	BASE	9.00	96.36	97.70	18684	0.00	0.49	2.1	1.9
100YR-002HRBasin 1	(PreTr)	BASE	9.25	96.34	97.70	18603	0.00	0.48	2.1	1.9
100YR-002HRBasin 1	(PreTr)	BASE	9.50	96.32	97.70	18522	0.00	0.48	2.1	1.9
100YR-002HRBasin 1	(PreTr)	BASE	9.75	96.29	97.70	18441	0.00	0.48	2.1	1.9
100YR-002HRBasin 1	(PreTr)	BASE	10.01	96.27	97.70	18357	0.00	0.48	2.1	1.9
100YR-002HRBasin 1	(PreTr)	BASE	10.25	96.24	97.70	18276	0.00	0.48	2.1	1.9
100YR-002HRBasin 1	(PreTr)	BASE	10.50	96.22	97.70	18195	0.00	0.47	2.1	1.9
100YR-002HRBasin 1	(PreTr)	BASE	10.75	96.20	97.70	18113	0.00	0.47	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	11.00	96.17	97.70	18031	0.00	0.47	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	11.26	96.15	97.70	[illegible]	0.00	0.47	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	11.51	96.13	97.70	[illegible]	0.00	0.47	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	11.76	96.10	97.70	[illegible]	0.00	0.46	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	12.01	96.08	97.70	17702	0.00	0.46	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	12.26	96.06	97.70	17620	0.00	0.46	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	12.51	96.03	97.70	17539	0.00	0.46	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	12.76	96.01	97.70	17457	0.00	0.45	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	13.01	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	13.26	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	13.51	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	13.76	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	14.01	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	14.26	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	14.51	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	14.76	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	15.01	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	15.26	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	15.51	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	15.76	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	16.01	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	16.26	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	16.51	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	16.76	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	17.01	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	17.26	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	17.51	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	17.76	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	18.01	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	18.26	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	18.51	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	18.76	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	19.01	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	19.26	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	19.51	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	19.76	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	20.01	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	20.26	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	20.51	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	20.76	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	21.01	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	21.26	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	21.51	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	21.76	96.00	97.70	17424	0.00	0.00	2.1	2.0
100YR-002HRBasin 1	(PreTr)	BASE	22.01	96.00	97.70	17424	0.00	0.00	2.1	2.0

HALF VOLUME RECOVERED

FULL VOLUME RECOVERED

RECOVERY - BASIN 1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-004HRBasin 1	(PreTr)	BASE	1.00	96.01	97.70	17453	1.22	0.45	0.0	0.0
100YR-004HRBasin 1	(PreTr)	BASE	1.25	96.17	97.70	18018	6.48	0.47	0.1	0.0
100YR-004HRBasin 1	(PreTr)	BASE	1.50	96.56	97.70	19374	10.39	0.50	0.3	0.0
100YR-004HRBasin 1	(PreTr)	BASE	1.75	97.15	97.70	21430	18.75	7.11	0.6	0.1
100YR-004HRBasin 1	(PreTr)	BASE	2.00	97.30	97.70	21951	22.15	21.40	1.0	0.4
100YR-004HRBasin 1	(PreTr)	BASE	2.25	97.29	97.70	21909	19.67	20.05	1.4	0.8
100YR-004HRBasin 1	(PreTr)	BASE	2.50	97.29	97.70	21911	20.25	20.11	1.8	1.2
100YR-004HRBasin 1	(PreTr)	BASE	2.75	97.26	97.70	21830	14.40	11.15	2.2	1.6
100YR-004HRBasin 1	(PreTr)	BASE	3.00	97.45	97.70	22479	14.10	9.43	2.5	1.8
100YR-004HRBasin 1	(PreTr)	BASE	3.25	97.53	97.70	22726	5.74	6.00	2.7	1.9
100YR-004HRBasin 1	(PreTr)	BASE	3.51	97.52	97.70	22691	5.04	5.40	2.8	2.1
100YR-004HRBasin 1	(PreTr)	BASE	3.76	97.46	97.70	22522	2.26	4.28	2.9	2.2
100YR-004HRBasin 1	(PreTr)	BASE	4.00	97.39	97.70	22251	2.05	4.01	2.9	2.2
100YR-004HRBasin 1	(PreTr)	BASE	4.25	97.28	97.70	21888	0.14	3.12	3.0	2.3
100YR-004HRBasin 1	(PreTr)	BASE	4.50	97.16	97.70	21482	0.00	2.57	3.0	2.4
100YR-004HRBasin 1	(PreTr)	BASE	4.75	97.07	97.70	21144	0.00	1.95	3.0	2.4
100YR-004HRBasin 1	(PreTr)	BASE	5.00	97.00	97.70	20901	0.00	1.24	3.0	2.5
100YR-004HRBasin 1	(PreTr)	BASE	5.25	96.96	97.70	20756	0.00	0.76	3.0	2.5
100YR-004HRBasin 1	(PreTr)	BASE	5.50	96.93	97.70	20658	0.00	0.56	3.0	2.5
100YR-004HRBasin 1	(PreTr)	BASE	5.75	96.90	97.70	20577	0.00	0.54	3.0	2.5
100YR-004HRBasin 1	(PreTr)	BASE	6.00	96.88	97.70	20494	0.00	0.53	3.0	2.5
100YR-004HRBasin 1	(PreTr)	BASE	6.25	96.86	97.70	20413	0.00	0.53	3.0	2.5
100YR-004HRBasin 1	(PreTr)	BASE	6.50	96.83	97.70	20331	0.00	0.53	3.0	2.5
100YR-004HRBasin 1	(PreTr)	BASE	6.75	96.81	97.70	20249	0.00	0.53	3.0	2.5
100YR-004HRBasin 1	(PreTr)	BASE	7.00	96.79	97.70	20167	0.00	0.53	3.0	2.6
100YR-004HRBasin 1	(PreTr)	BASE	7.26	96.76	97.70	20084	0.00	0.52	3.0	2.6
100YR-004HRBasin 1	(PreTr)	BASE	7.50	96.74	97.70	20004	0.00	0.52	3.0	2.6
100YR-004HRBasin 1	(PreTr)	BASE	7.75	96.72	97.70	19922	0.00	0.52	3.0	2.6
100YR-004HRBasin 1	(PreTr)	BASE	8.00	96.69	97.70	19841	0.00	0.52	3.0	2.6
100YR-004HRBasin 1	(PreTr)	BASE	8.25	96.67	97.70	19759	0.00	0.51	3.0	2.6
100YR-004HRBasin 1	(PreTr)	BASE	8.51	96.65	97.70	19676	0.00	0.51	3.0	2.6
100YR-004HRBasin 1	(PreTr)	BASE	8.75	96.62	97.70	19596	0.00	0.51	3.0	2.6
100YR-004HRBasin 1	(PreTr)	BASE	9.00	96.60	97.70	19513	0.00	0.51	3.0	2.6
100YR-004HRBasin 1	(PreTr)	BASE	9.26	96.			0.00	0.51	3.0	2.7
100YR-004HRBasin 1	(PreTr)	BASE	9.50	96.			0.00	0.50	3.0	2.7
100YR-004HRBasin 1	(PreTr)	BASE	9.76	96.53	97.70	19268	0.00	0.50	3.0	2.7
100YR-004HRBasin 1	(PreTr)	BASE	10.00	96.51	97.70	19188	0.00	0.50	3.0	2.7
100YR-004HRBasin 1	(PreTr)	BASE	10.25	96.48	97.70	19105	0.00	0.50	3.0	2.7
100YR-004HRBasin 1	(PreTr)	BASE	10.51	96.46	97.70	19023	0.00	0.50	3.0	2.7
100YR-004HRBasin 1	(PreTr)	BASE	10.75	96.44	97.70	18943	0.00	0.49	3.0	2.7
100YR-004HRBasin 1	(PreTr)	BASE	11.00	96.41	97.70	18860	0.00	0.49	3.0	2.7
100YR-004HRBasin 1	(PreTr)	BASE	11.26	96.39	97.70	18777	0.00	0.49	3.0	2.7
100YR-004HRBasin 1	(PreTr)	BASE	11.50	96.37	97.70	18697	0.00	0.49	3.0	2.7
100YR-004HRBasin 1	(PreTr)	BASE	11.75	96.34	97.70	18616	0.00	0.48	3.0	2.8
100YR-004HRBasin 1	(PreTr)	BASE	12.01	96.32	97.70	18532	0.00	0.48	3.0	2.8
100YR-004HRBasin 1	(PreTr)	BASE	12.26	96.29	97.70	18451	0.00	0.48	3.0	2.8
100YR-004HRBasin 1	(PreTr)	BASE	12.50	96.27	97.70	18370	0.00	0.48	3.0	2.8
100YR-004HRBasin 1	(PreTr)	BASE	12.75	96.25	97.70	18290	0.00	0.48	3.0	2.8
100YR-004HRBasin 1	(PreTr)	BASE	13.01	96.22	97.70	18206	0.00	0.47	3.0	2.8
100YR-004HRBasin 1	(PreTr)	BASE	13.25	96.20	97.70	18125	0.00	0.47	3.0	2.8
100YR-004HRBasin 1	(PreTr)	BASE	13.50	96.18	97.70	18044	0.00	0.47	3.0	2.8
100YR-004HRBasin 1	(PreTr)	BASE	13.76	96.15	97.70	17961	0.00	0.47	3.0	2.8
100YR-004HRBasin 1	(PreTr)	BASE	14.00	96.13	97.70	17880	0.00	0.47	3.0	2.8
100YR-004HRBasin 1	(PreTr)	BASE	14.25	96.11	97.70	17799	0.00	0.46	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	14.51	96.08	97.70	17715	0.00	0.46	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	14.76	96.06	97.70	17634	0.00	0.46	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	15.00	96.04	97.70	17554	0.00	0.46	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	15.25	96.01	97.70	17473	0.00	0.46	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	15.51	96.00	97.70	17424	0.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	15.76	96.00	97.70	17424	0.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	16.01	96.00	97.70	17424	0.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	16.26	96.00	97.70	17424	0.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	16.51	96.00	97.70	17424	0.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	16.76	96.00			.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	17.01	96.00			.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	17.26	96.00	97.70	17424	0.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	17.51	96.00	97.70	17424	0.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	17.76	96.00	97.70	17424	0.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	18.01	96.00	97.70	17424	0.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	18.26	96.00	97.70	17424	0.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	18.51	96.00	97.70	17424	0.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	18.76	96.00	97.70	17424	0.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	19.01	96.00	97.70	17424	0.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	19.26	96.00	97.70	17424	0.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	19.51	96.00	97.70	17424	0.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	19.76	96.00	97.70	17424	0.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	20.01	96.00	97.70	17424	0.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	20.26	96.00	97.70	17424	0.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	20.51	96.00	97.70	17424	0.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	20.76	96.00	97.70	17424	0.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	21.01	96.00	97.70	17424	0.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	21.26	96.00	97.70	17424	0.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	21.51	96.00	97.70	17424	0.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	21.76	96.00	97.70	17424	0.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	22.01	96.00	97.70	17424	0.00	0.00	3.0	2.9

HALF VOLUME RECOVERED

FULL VOLUME RECOVERED

RECOVERY - BASIN 1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-004HRBasin 1	(PreTr)	BASE	723.51	96.00	97.70	17424	0.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	723.76	96.00	97.70	17424	0.00	0.00	3.0	2.9
100YR-004HRBasin 1	(PreTr)	BASE	724.00	96.00	97.70	17424	0.00	0.00	3.0	2.9
100YR-008HRBasin 1	(PreTr)	BASE	0.00	96.00	97.70	17424	0.00	0.00	0.0	0.0
100YR-008HRBasin 1	(PreTr)	BASE	0.26	96.00	97.70	17424	0.00	0.00	0.0	0.0
100YR-008HRBasin 1	(PreTr)	BASE	0.50	96.00	97.70	17424	0.00	0.00	0.0	0.0
100YR-008HRBasin 1	(PreTr)	BASE	0.77	96.00	97.70	17424	0.00	0.00	0.0	0.0
100YR-008HRBasin 1	(PreTr)	BASE	1.02	96.00	97.70	17424	0.00	0.00	0.0	0.0
100YR-008HRBasin 1	(PreTr)	BASE	1.27	96.00	97.70	17424	0.00	0.00	0.0	0.0
100YR-008HRBasin 1	(PreTr)	BASE	1.52	96.00	97.70	17424	0.01	0.01	0.0	0.0
100YR-008HRBasin 1	(PreTr)	BASE	1.77	96.00	97.70	17428	0.58	0.45	0.0	0.0
100YR-008HRBasin 1	(PreTr)	BASE	2.00	96.03	97.70	17522	1.42	0.46	0.0	0.0
100YR-008HRBasin 1	(PreTr)	BASE	2.25	96.12	97.70	17836	3.07	0.46	0.1	0.0
100YR-008HRBasin 1	(PreTr)	BASE	2.50	96.28	97.70	18385	4.18	0.48	0.1	0.0
100YR-008HRBasin 1	(PreTr)	BASE	2.75	96.48	97.70	19082	5.04	0.50	0.2	0.0
100YR-008HRBasin 1	(PreTr)	BASE	3.00	96.70	97.70	19864	5.74	0.52	0.4	0.1
100YR-008HRBasin 1	(PreTr)	BASE	3.25	97.16	97.70	21458	17.97	7.71	0.6	0.1
100YR-008HRBasin 1	(PreTr)	BASE	3.50	97.29	97.70	21929	21.42	20.70	1.0	0.4
100YR-008HRBasin 1	(PreTr)	BASE	3.75	97.31	97.70	21994	23.20	22.86	1.5	0.9
100YR-008HRBasin 1	(PreTr)	BASE	4.00	97.32	97.70	22033	24.39	24.19	2.0	1.4
100YR-008HRBasin 1	(PreTr)	BASE	4.25	97.34	97.70	22099	10.62	8.36	2.3	1.7
100YR-008HRBasin 1	(PreTr)	BASE	4.50	97.43	97.70	22391	9.66	7.45	2.5	1.9
100YR-008HRBasin 1	(PreTr)	BASE	4.75	97.52	97.70	22710	9.76	7.17	2.7	2.0
100YR-008HRBasin 1	(PreTr)	BASE	5.00	97.63	97.70	22971	9.84	7.17	2.9	2.2
100YR-008HRBasin 1	(PreTr)	BASE	5.25	97.65	97.70	23033	4.14	5.22	3.1	2.3
100YR-008HRBasin 1	(PreTr)	BASE	5.50	97.60	97.70	22914	3.72	4.93	3.2	2.4
100YR-008HRBasin 1	(PreTr)	BASE	5.75	97.56	97.70	22798	3.73	4.85	3.2	2.5
100YR-008HRBasin 1	(PreTr)	BASE	6.00	97.51	97.70	22689	3.74	4.79	3.3	2.6
100YR-008HRBasin 1	(PreTr)	BASE	6.25	97.47	97.70	22534	3.17	4.52	3.4	2.7
100YR-008HRBasin 1	(PreTr)	BASE	6.50	97.41	97.70	22350	3.13	4.41	3.4	2.8
100YR-008HRBasin 1	(PreTr)	BASE	6.75	97.36	97.70	22177	3.14	4.32	3.5	2.9
100YR-008HRBasin 1	(PreTr)	BASE	7.00	97.32	97.70	22015	3.14	4.24	3.6	3.0
100YR-008HRBasin 1	(PreTr)	BASE	7.25	97.26	97.70	21807	1.98	3.68	3.6	3.0
100YR-008HRBasin 1	(PreTr)	BASE	7.50	97.19	97.70	21572	1.89	3.37	3.7	3.1
100YR-008HRBasin 1	(PreTr)	BASE	7.75	97.13	97.70	21379	1.89	3.07	3.7	3.2
100YR-008HRBasin 1	(PreTr)	BASE	8.01	97.09	97.70	21232	1.85	2.63	3.8	3.3
100YR-008HRBasin 1	(PreTr)	BASE	8.25	97.04	97.70	21039	0.13	1.82	3.8	3.3
100YR-008HRBasin 1	(PreTr)	BASE	8.50	96.98	97.70	20838	0.00	1.01	3.8	3.3
100YR-008HRBasin 1	(PreTr)	BASE	8.75	96.95	97.70	20717	0.00	0.67	3.8	3.3
100YR-008HRBasin 1	(PreTr)	BASE	9.00	96.92	97.70	20628	0.00	0.54	3.8	3.4
100YR-008HRBasin 1	(PreTr)	BASE	9.25	96.90	97.70	20546	0.00	0.54	3.8	3.4
100YR-008HRBasin 1	(PreTr)	BASE	9.50	96.87	97.70	20464	0.00	0.53	3.8	3.4
100YR-008HRBasin 1	(PreTr)	BASE	9.76	96.85	97.70	20382	0.00	0.53	3.8	3.4
100YR-008HRBasin 1	(PreTr)	BASE	10.01	96.83	97.70	20300	0.00	0.53	3.8	3.4
100YR-008HRBasin 1	(PreTr)	BASE	10.25	96.80	97.70	20219	0.00	0.53	3.8	3.4
100YR-008HRBasin 1	(PreTr)	BASE	10.50	96.78	97.70	20137	0.00	0.52	3.8	3.4
100YR-008HRBasin 1	(PreTr)	BASE	10.75	96.76	97.70	20057	0.00	0.52	3.8	3.4
100YR-008HRBasin 1	(PreTr)	BASE	11.00	96.73	97.70	19974	0.00	0.52	3.8	3.4
100YR-008HRBasin 1	(PreTr)	BASE	11.26	96.71	97.70	19891	0.00	0.52	3.8	3.5
100YR-008HRBasin 1	(PreTr)	BASE	11.50	96.69	97.70	19817	0.00	0.52	3.8	3.5
100YR-008HRBasin 1	(PreTr)	BASE	11.75	96.67	97.70	19732	0.00	0.51	3.8	3.5
100YR-008HRBasin 1	(PreTr)	BASE	12.01	96.64	97.70	19646	0.00	0.51	3.8	3.5
100YR-008HRBasin 1	(PreTr)	BASE	12.26	96.61	97.70	19565	0.00	0.51	3.8	3.5
100YR-008HRBasin 1	(PreTr)	BASE	12.50	96.59	97.70	19484	0.00	0.51	3.8	3.5
100YR-008HRBasin 1	(PreTr)	BASE	12.76	96.57	97.70	19400	0.00	0.51	3.8	3.5
100YR-008HRBasin 1	(PreTr)	BASE	13.00	96.54	97.70	19320	0.00	0.50	3.8	3.5
100YR-008HRBasin 1	(PreTr)	BASE	13.26	96.52	97.70	19236	0.00	0.50	3.8	3.5
100YR-008HRBasin 1	(PreTr)	BASE	13.51	96.50	97.70	19156	0.00	0.50	3.8	3.5
100YR-008HRBasin 1	(PreTr)	BASE	13.75	96.47	97.70	19076	0.00	0.50	3.8	3.6
100YR-008HRBasin 1	(PreTr)	BASE	14.01	96.45	97.70	18993	0.00	0.49	3.8	3.6
100YR-008HRBasin 1	(PreTr)	BASE	14.25	96.43	97.70	18912	0.00	0.49	3.8	3.6
100YR-008HRBasin 1	(PreTr)	BASE	14.51	96.40	97.70	18829	0.00	0.49	3.8	3.6
100YR-008HRBasin 1	(PreTr)	BASE	14.75	96.38	97.70	18749	0.00	0.49	3.8	3.6
100YR-008HRBasin 1	(PreTr)	BASE	15.01	96.36	97.70	18666	0.00	0.49	3.8	3.6
100YR-008HRBasin 1	(PreTr)	BASE	15.26	96.33	97.70	18583	0.00	0.48	3.8	3.6
100YR-008HRBasin 1	(PreTr)	BASE	15.50	96.31	97.70	18505	0.00	0.48	3.8	3.6
100YR-008HRBasin 1	(PreTr)	BASE	15.75	96.29	97.70	18422	0.00	0.48	3.8	3.6
100YR-008HRBasin 1	(PreTr)	BASE	16.01	96.26	97.70	18339	0.00	0.48	3.8	3.6
100YR-008HRBasin 1	(PreTr)	BASE	16.26	96.24	97.70	18256	0.00	0.48	3.8	3.7
100YR-008HRBasin 1	(PreTr)	BASE	16.50	96.22	97.70	18178	0.00	0.47	3.8	3.7
100YR-008HRBasin 1	(PreTr)	BASE	16.75	96.19	97.70	18095	0.00	0.47	3.8	3.7
100YR-008HRBasin 1	(PreTr)	BASE	17.01	96.17	97.70	18012	0.00	0.47	3.8	3.7
100YR-008HRBasin 1	(PreTr)	BASE	17.26	96.15	97.70	17930	0.00	0.47	3.8	3.7
100YR-008HRBasin 1	(PreTr)	BASE	17.50	96.12	97.70	17847	0.00	0.46	3.8	3.7
100YR-008HRBasin 1	(PreTr)	BASE	17.75	96.10	97.70	17764	0.00	0.46	3.8	3.7
100YR-008HRBasin 1	(PreTr)	BASE	18.01	96.08	97.70	17686	0.00	0.46	3.8	3.7
100YR-008HRBasin 1	(PreTr)	BASE	18.26	96.05	97.70	17603	0.00	0.46	3.8	3.7
100YR-008HRBasin 1	(PreTr)	BASE	18.50	96.03	97.70	17525	0.00	0.46	3.8	3.7
100YR-008HRBasin 1	(PreTr)	BASE	18.75	96.01	97.70	17442	0.00	0.45	3.8	3.8
100YR-008HRBasin 1	(PreTr)	BASE	19.01	96.00	97.70	17424	0.00	0.00	3.8	3.8
100YR-008HRBasin 1	(PreTr)	BASE	19.26	96.00	97.70	17424	0.00	0.00	3.8	3.8
100YR-008HRBasin 1	(PreTr)	BASE	19.50	96.00	97.70	17424	0.00	0.00	3.8	3.8
100YR-008HRBasin 1	(PreTr)	BASE	19.75	96.00	97.70	17424	0.00	0.00	3.8	3.8
100YR-008HRBasin 1	(PreTr)	BASE	20.01	96.00	97.70	17424	0.00	0.00	3.8	3.8

HALF VOLUME RECOVERED

FULL VOLUME RECOVERED

RECOVERY - BASIN 1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-024HRBasin 1	(PreTr)	BASE	14.00	97.12	97.70	21332	5.18	5.17	3.3	2.8
100YR-024HRBasin 1	(PreTr)	BASE	14.25	97.12	97.70	21333	5.18	5.17	3.4	2.9
100YR-024HRBasin 1	(PreTr)	BASE	14.51	97.14	97.70	21411	5.20	4.45	3.5	3.0
100YR-024HRBasin 1	(PreTr)	BASE	14.76	97.17	97.70	21495	5.22	4.79	3.6	3.1
100YR-024HRBasin 1	(PreTr)	BASE	15.00	97.18	97.70	21548	5.22	4.88	3.7	3.2
100YR-024HRBasin 1	(PreTr)	BASE	15.25	97.19	97.70	21558	4.43	4.54	3.8	3.3
100YR-024HRBasin 1	(PreTr)	BASE	15.50	97.18	97.70	21546	4.38	4.43	3.9	3.4
100YR-024HRBasin 1	(PreTr)	BASE	15.75	97.18	97.70	21543	4.39	4.39	4.0	3.5
100YR-024HRBasin 1	(PreTr)	BASE	16.00	97.18	97.70	21544	4.39	4.38	4.1	3.6
100YR-024HRBasin 1	(PreTr)	BASE	16.25	97.17	97.70	21509	3.60	4.02	4.2	3.7
100YR-024HRBasin 1	(PreTr)	BASE	16.50	97.16	97.70	21452	3.54	3.88	4.3	3.8
100YR-024HRBasin 1	(PreTr)	BASE	16.75	97.14	97.70	21408	3.55	3.80	4.3	3.8
100YR-024HRBasin 1	(PreTr)	BASE	17.00	97.13	97.70	21376	3.55	3.73	4.4	3.9
100YR-024HRBasin 1	(PreTr)	BASE	17.25	97.13	97.70	21354	3.55	3.65	4.5	4.0
100YR-024HRBasin 1	(PreTr)	BASE	17.50	97.12	97.70	21343	3.55	3.61	4.6	4.1
100YR-024HRBasin 1	(PreTr)	BASE	17.75	97.12	97.70	21336	3.56	3.59	4.6	4.1
100YR-024HRBasin 1	(PreTr)	BASE	18.00	97.12	97.70	21333	3.56	3.58	4.7	4.2
100YR-024HRBasin 1	(PreTr)	BASE	18.25	97.12	97.70	21332	3.57	3.57	4.8	4.3
100YR-024HRBasin 1	(PreTr)	BASE	18.50	97.12	97.70	21331	3.57	3.57	4.9	4.4
100YR-024HRBasin 1	(PreTr)	BASE	18.75	97.12	97.70	21331	3.57	3.57	4.9	4.4
100YR-024HRBasin 1	(PreTr)	BASE	19.00	97.12	97.70	21332	3.57	3.57	5.0	4.5
100YR-024HRBasin 1	(PreTr)	BASE	19.25	97.11	97.70	21294	2.76	3.16	5.1	4.6
100YR-024HRBasin 1	(PreTr)	BASE	19.50	97.10	97.70	21245	2.69	2.95	5.1	4.6
100YR-024HRBasin 1	(PreTr)	BASE	19.75	97.09	97.70	21216	2.70	2.84	5.2	4.7
100YR-024HRBasin 1	(PreTr)	BASE	20.00	97.08	97.70	21200	2.70	2.78	5.2	4.8
100YR-024HRBasin 1	(PreTr)	BASE	20.25	97.08	97.70	21190	2.70	2.75	5.3	4.8
100YR-024HRBasin 1	(PreTr)	BASE	20.50	97.08	97.70	21184	2.70	2.73	5.3	4.9
100YR-024HRBasin 1	(PreTr)	BASE	20.75	97.08	97.70	21180	2.70	2.72	5.4	4.9
100YR-024HRBasin 1	(PreTr)	BASE	21.00	97.08	97.70	21179	2.70	2.71	5.5	5.0
100YR-024HRBasin 1	(PreTr)	BASE	21.25	97.06	97.70	21135	1.86	2.30	5.5	5.0
100YR-024HRBasin 1	(PreTr)	BASE	21.50	97.05	97.70	21083	1.80	2.05	5.5	5.1
100YR-024HRBasin 1	(PreTr)	BASE	21.75	97.04	97.70	21057	1.80	1.92	5.6	5.1
100YR-024HRBasin 1	(PreTr)	BASE	22.00	97.04	97.70	21044	1.80	1.86	5.6	5.2
100YR-024HRBasin 1	(PreTr)	BASE	22.26	97.02	97.70	20982	0.96	1.57	5.6	5.2
100YR-024HRBasin 1	(PreTr)	BASE	22.51	97.00	97.70	20908	0.90	1.26	5.7	5.2
100YR-024HRBasin 1	(PreTr)	BASE	22.75	96.99	97.70	20868	0.90	1.11	5.7	5.2
100YR-024HRBasin 1	(PreTr)	BASE	23.00	96.98	97.70	20843	0.91	1.03	5.7	5.3
100YR-024HRBasin 1	(PreTr)	BASE	23.26	96.98	97.70	20828	0.90	0.98	5.7	5.3
100YR-024HRBasin 1	(PreTr)	BASE	23.51	96.97	97.70	20819	0.90	0.95	5.7	5.3
100YR-024HRBasin 1	(PreTr)	BASE	23.75	96.97	97.70	20814	0.90	0.93	5.8	5.3
100YR-024HRBasin 1	(PreTr)	BASE	24.00	96.97	97.70	20811	0.89	0.92	5.8	5.4
100YR-024HRBasin 1	(PreTr)	BASE	24.26	96.95	97.70	20747	0.06	0.74	5.8	5.4
100YR-024HRBasin 1	(PreTr)	BASE	24.51	96.93	97.70	20652	0.00	0.55	5.8	5.4
100YR-024HRBasin 1	(PreTr)	BASE	24.75	96.90	97.70	20573	0.00	0.54	5.8	5.4
100YR-024HRBasin 1	(PreTr)	BASE	25.00	96.88	97.70	20490	0.00	0.53	5.8	5.4
100YR-024HRBasin 1	(PreTr)	BASE	25.26	96.86	97.70	20407	0.00	0.53	5.8	5.4
100YR-024HRBasin 1	(PreTr)	BASE	25.51	96.83	97.70	20325	0.00	0.53	5.8	5.4
100YR-024HRBasin 1	(PreTr)	BASE	25.75	96.81	97.70	20246	0.00	0.53	5.8	5.4
100YR-024HRBasin 1	(PreTr)	BASE	26.00	96.79	97.70	20164	0.00	0.53	5.8	5.4
100YR-024HRBasin 1	(PreTr)	BASE	26.26	96.76	97.70	20081	0.00	0.52	5.8	5.5
100YR-024HRBasin 1	(PreTr)	BASE	26.51	96.74	97.70	19998	0.00	0.52	5.8	5.5
100YR-024HRBasin 1	(PreTr)	BASE	26.75	96.72	97.70	19920	0.00	0.52	5.8	5.5
100YR-024HRBasin 1	(PreTr)	BASE	27.00	96.69	97.70	19842	0.00	0.46	5.8	5.5
100YR-024HRBasin 1	(PreTr)	BASE	27.26	96.67	97.70	19772	0.00	0.42	5.8	5.5
100YR-024HRBasin 1	(PreTr)	BASE	27.51	96.65	97.70	19706	0.00	0.39	5.8	5.5
100YR-024HRBasin 1	(PreTr)	BASE	27.75	96.64	97.70	19647	0.00	0.38	5.8	5.5
100YR-024HRBasin 1	(PreTr)	BASE	28.00	96.62	97.70	19588	0.00	0.36	5.8	5.5
100YR-024HRBasin 1	(PreTr)	BASE	28.26	96.60	97.70	19531	0.00	0.34	5.8	5.5
100YR-024HRBasin 1	(PreTr)	BASE	28.51	96.59	97.70	19476	0.00	0.33	5.8	5.5
100YR-024HRBasin 1	(PreTr)	BASE	28.75	96.57	97.70	19426	0.00	0.32	5.8	5.5
100YR-024HRBasin 1	(PreTr)	BASE	29.01	96.56	97.70	19374	0.00	0.31	5.8	5.6
100YR-024HRBasin 1	(PreTr)	BASE	29.25	96.55	97.70	19325	0.00	0.30	5.8	5.6
100YR-024HRBasin 1	(PreTr)	BASE	29.51	96.53	97.70	19276	0.00	0.29	5.8	5.6
100YR-024HRBasin 1	(PreTr)	BASE	29.76	96.52	97.70	19227	0.00	0.28	5.8	5.6
100YR-024HRBasin 1	(PreTr)	BASE	30.00	96.51	97.70	19184	0.00	0.28	5.8	5.6
100YR-024HRBasin 1	(PreTr)	BASE	30.25	96.49	97.70	19141	0.00	0.27	5.8	5.6
100YR-024HRBasin 1	(PreTr)	BASE	30.50	96.48	97.70	19097	0.00	0.26	5.8	5.6
100YR-024HRBasin 1	(PreTr)	BASE	30.75	96.47	97.70	19054	0.00	0.26	5.8	5.6
100YR-024HRBasin 1	(PreTr)	BASE	31.00	96.46	97.70	19012	0.00	0.25	5.8	5.6
100YR-024HRBasin 1	(PreTr)	BASE	31.25	96.44	97.70	18971	0.00	0.25	5.8	5.6
100YR-024HRBasin 1	(PreTr)	BASE	31.50	96.43	97.70	18931	0.00	0.24	5.8	5.6
100YR-024HRBasin 1	(PreTr)	BASE	31.75	96.42	97.70	18892	0.00	0.24	5.8	5.6
100YR-024HRBasin 1	(PreTr)	BASE	32.00	96.41	97.70	18853	0.00	0.23	5.8	5.6
100YR-024HRBasin 1	(PreTr)	BASE	32.25	96.40	97.70	18815	0.00	0.23	5.8	5.6
100YR-024HRBasin 1	(PreTr)	BASE	32.50	96.39	97.70	18777	0.00	0.22	5.8	5.6
100YR-024HRBasin 1	(PreTr)	BASE	32.75	96.38	97.70	18740	0.00	0.22	5.8	5.6
100YR-024HRBasin 1	(PreTr)	BASE	33.00	96.37	97.70	18704	0.00	0.22	5.8	5.6
100YR-024HRBasin 1	(PreTr)	BASE	33.25	96.36	97.70	18668	0.00	0.21	5.8	5.6
100YR-024HRBasin 1	(PreTr)	BASE	33.50	96.35	97.70	18633	0.00	0.21	5.8	5.6
100YR-024HRBasin 1	(PreTr)	BASE	33.75	96.34	97.70	18598	0.00	0.20	5.8	5.6
100YR-024HRBasin 1	(PreTr)	BASE	34.00	96.33	97.70	18564	0.00	0.20	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	34.25	96.32	97.70	18530	0.00	0.20	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	34.50	96.31	97.70	18496	0.00	0.20	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	34.75	96.30	97.70	18463	0.00	0.19	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	35.00	96.29	97.70	18431	0.00	0.19	5.8	5.7

RECOVERY - BASIN 1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-024HRBasin 1	(PreTr)	BASE	35.25	96.28	97.70	18398	0.00	0.19	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	35.50	96.27	97.70	18367	0.00	0.19	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	35.75	96.26	97.70	18335	0.00	0.18	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	36.00	96.25	97.70	18304	0.00	0.18	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	36.25	96.24	97.70	18273	0.00	0.18	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	36.50	96.24	97.70	18243	0.00	0.18	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	36.75	96.23	97.70	18213	0.00	0.17	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	37.00	96.22	97.70	18183	0.00	0.17	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	37.25	96.21	97.70	18154	0.00	0.17	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	37.50	96.20	97.70	18124	0.00	0.17	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	37.75	96.19	97.70	18096	0.00	0.17	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	38.00	96.18	97.70	18067	0.00	0.16	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	38.25	96.18	97.70	18039	0.00	0.16	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	38.50	96.17	97.70	18011	0.00	0.16	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	38.75	96.16	97.70	17983	0.00	0.16	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	39.00	96.15	97.70	17955	0.00	0.16	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	39.25	96.14	97.70	17928	0.00	0.16	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	39.50	96.14	97.70	17901	0.00	0.15	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	39.75	96.13	97.70	17874	0.00	0.15	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	40.00	96.12	97.70	17847	0.00	0.15	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	40.25	96.11	97.70	17821	0.00	0.15	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	40.50	96.11	97.70	17795	0.00	0.15	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	40.75	96.10	97.70	17769	0.00	0.15	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	41.00	96.09	97.70	17743	0.00	0.15	5.8	5.7
100YR-024HRBasin 1	(PreTr)	BASE	41.25	96.08	97.70	17717	0.00	0.14	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	41.50	96.08	97.70	17692	0.00	0.14	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	41.75	96.07	97.70	17667	0.00	0.14	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	42.00	96.06	97.70	17642	0.00	0.14	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	42.25	96.06	97.70	17617	0.00	0.14	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	42.50	96.05	97.70	17593	0.00	0.14	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	42.75	96.04	97.70	[illegible]	[illegible]	0.14	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	43.00	96.03	97.70	[illegible]	[illegible]	0.14	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	43.25	96.03	97.70	17520	0.00	0.13	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	43.50	96.02	97.70	17496	0.00	0.13	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	43.75	96.01	97.70	17472	0.00	0.13	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	44.00	96.01	97.70	17448	0.00	0.13	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	44.25	96.00	97.70	17425	0.00	0.13	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	44.50	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	44.75	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	45.00	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	45.25	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	45.50	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	45.75	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	46.00	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	46.25	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	46.50	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	46.75	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	47.00	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	47.25	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	47.50	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	47.75	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	48.00	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	48.25	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	48.50	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	48.75	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	49.00	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	49.25	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	49.50	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	49.75	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	50.00	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	50.25	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	50.50	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	50.75	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	51.00	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	51.25	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	51.50	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	51.75	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	52.00	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	52.25	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	52.50	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	52.75	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	53.00	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	53.25	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	53.50	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	53.75	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	54.00	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	54.25	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	54.50	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	54.75	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	55.00	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	55.25	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	55.50	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	55.75	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	56.00	96.00	97.70	17424	0.00	0.00	5.8	5.8
100YR-024HRBasin 1	(PreTr)	BASE	56.25	96.00	97.70	17424	0.00	0.00	5.8	5.8

FULL VOLUME RECOVERED

RECOVERY - BASIN 1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-072HRBasin 1	(PreTr)	BASE	76.75	96.86	97.70	20431	0.00	0.10	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	77.00	96.86	97.70	20416	0.00	0.10	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	77.25	96.85	97.70	20401	0.00	0.10	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	77.50	96.85	97.70	20386	0.00	0.10	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	77.75	96.85	97.70	20370	0.00	0.10	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	78.00	96.84	97.70	20355	0.00	0.10	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	78.25	96.84	97.70	20340	0.00	0.10	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	78.50	96.83	97.70	20325	0.00	0.10	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	78.75	96.83	97.70	20310	0.00	0.10	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	79.00	96.82	97.70	20295	0.00	0.10	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	79.25	96.82	97.70	20280	0.00	0.10	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	79.50	96.82	97.70	20265	0.00	0.10	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	79.75	96.81	97.70	20251	0.00	0.10	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	80.00	96.81	97.70	20236	0.00	0.10	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	80.25	96.80	97.70	20221	0.00	0.09	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	80.50	96.80	97.70	20206	0.00	0.09	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	80.75	96.79	97.70	20192	0.00	0.09	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	81.00	96.79	97.70	20177	0.00	0.09	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	81.25	96.79	97.70	20163	0.00	0.09	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	81.50	96.78	97.70	20148	0.00	0.09	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	81.75	96.78	97.70	20134	0.00	0.09	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	82.00	96.77	97.70	20119	0.00	0.09	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	82.25	96.77	97.70	20105	0.00	0.09	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	82.50	96.77	97.70	20091	0.00	0.09	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	82.75	96.76	97.70	20076	0.00	0.09	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	83.00	96.76	97.70	20062	0.00	0.09	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	83.25	96.75	97.70	20048	0.00	0.09	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	83.50	96.75	97.70	20034	0.00	0.09	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	83.75	96.74	97.70	20020	0.00	0.09	7.7	7.3
100YR-072HRBasin 1	(PreTr)	BASE	84.00	96.74	97.70	20005	0.00	0.09	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	84.25	96.74	97.70	19991	0.00	0.09	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	84.50	96.73	97.70	19977	0.00	0.09	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	84.75	96.73	97.70	19963	0.00	0.09	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	85.00	96.72	97.70	19949	0.00	0.09	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	85.25	96.72	97.70	19936	0.00	0.09	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	85.50	96.72	97.70	19922	0.00	0.09	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	85.75	96.71	97.70	19908	0.00	0.09	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	86.00	96.71	97.70	19894	0.00	0.09	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	86.25	96.70	97.70	19880	0.00	0.09	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	86.50	96.70	97.70	19867	0.00	0.09	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	86.75	96.70	97.70	19853	0.00	0.09	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	87.00	96.69	97.70	19839	0.00	0.09	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	87.25	96.69	97.70	19826	0.00	0.09	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	87.50	96.69	97.70	19812	0.00	0.09	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	87.75	96.68	97.70	19799	0.00	0.09	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	88.00	96.68	97.70	19785	0.00	0.09	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	88.25	96.67	97.70	19772	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	88.50	96.67	97.70	19758	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	88.75	96.67	97.70	19745	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	89.00	96.66	97.70	19731	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	89.25	96.66	97.70	19718	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	89.50	96.65	97.70	19705	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	89.75	96.65	97.70	19691	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	90.00	96.65	97.70	19678	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	90.25	96.64	97.70	19665	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	90.50	96.64	97.70	19652	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	90.75	96.64	97.70	19639	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	91.00	96.63	97.70	19626	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	91.25	96.63	97.70	19612	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	91.50	96.62	97.70	19599	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	91.75	96.62	97.70	19586	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	92.00	96.62	97.70	19573	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	92.25	96.61	97.70	19561	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	92.50	96.61	97.70	19548	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	92.75	96.61	97.70	19535	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	93.00	96.60	97.70	19522	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	93.25	96.60	97.70	19509	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	93.50	96.59	97.70	19496	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	93.75	96.59	97.70	19483	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	94.00	96.59	97.70	19471	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	94.25	96.58	97.70	19458	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	94.50	96.58	97.70	19445	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	94.75	96.58			00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	95.00	96.57			00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	95.25	96.57			00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	95.50	96.57	97.70	19395	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	95.75	96.56	97.70	19382	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	96.00	96.56	97.70	19370	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	96.25	96.55	97.70	19357	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	96.50	96.55	97.70	19345	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	96.75	96.55	97.70	19332	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	97.00	96.54	97.70	19320	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	97.25	96.54	97.70	19308	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	97.50	96.54	97.70	19295	0.00	0.08	7.7	7.4
100YR-072HRBasin 1	(PreTr)	BASE	97.75	96.53	97.70	19283	0.00	0.08	7.7	7.4

HALF VOLUME RECOVERED

RECOVERY - BASIN 1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-072HRBasin 1	(PreTr)	BASE	140.50	96.01	97.70	17473	0.00	0.05	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	140.75	96.01	97.70	17463	0.00	0.05	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	141.00	96.01	97.70	17454	0.00	0.05	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	141.25	96.01	97.70	17445	0.00	0.05	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	141.50	96.00	97.70	17436	0.00	0.05	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	141.75	96.00	97.70	17427	0.00	0.05	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	142.00	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	142.25	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	142.50	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	142.75	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	143.00	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	143.25	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	143.50	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	143.75	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	144.00	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	144.25	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	144.50	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	144.75	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	145.00	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	145.25	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	145.50	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	145.75	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	146.00	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	146.25	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	146.50	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	146.75	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	147.00	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	147.25	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	147.50	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	147.75	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	148.00	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	148.25	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	148.50	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	148.75	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	149.00	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	149.25	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	149.50	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	149.75	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	150.00	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	150.25	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	150.50	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	150.75	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	151.00	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	151.25	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	151.50	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	151.75	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	152.00	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	152.25	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	152.50	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	152.75	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	153.00	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	153.25	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	153.50	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	153.75	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	154.00	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	154.25	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	154.50	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	154.75	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	155.00	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	155.25	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	155.50	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	155.75	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	156.00	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	156.25	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	156.50	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	156.75	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	157.00	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	157.25	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	157.50	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	157.75	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	158.00	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	158.25	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	158.50	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	158.75	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	159.00	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	159.25	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	159.50	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	159.75	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	160.00	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	160.25	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	160.50	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	160.75	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	161.00	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	161.25	96.00	97.70	17424	0.00	0.00	7.7	7.7
100YR-072HRBasin 1	(PreTr)	BASE	161.50	96.00	97.70	17424	0.00	0.00	7.7	7.7

RECOVERY - BASIN 1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-168HRBasin 1	(PreTr)	BASE	197.76	96.64	97.70	19643	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	198.01	96.63	97.70	19635	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	198.26	96.63	97.70	19626	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	198.51	96.63	97.70	19618	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	198.76	96.63	97.70	19610	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	199.01	96.62	97.70	19601	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	199.26	96.62	97.70	19593	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	199.51	96.62	97.70	19585	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	199.76	96.62	97.70	19577	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	200.01	96.62	97.70	19568	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	200.26	96.61	97.70	19560	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	200.51	96.61	97.70	19552	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	200.76	96.61	97.70	19543	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	201.01	96.61	97.70	19535	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	201.26	96.60	97.70	19527	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	201.51	96.60	97.70	19519	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	201.76	96.60	97.70	19511	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	202.01	96.60	97.70	19502	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	202.26	96.59	97.70	19494	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	202.51	96.59	97.70	19486	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	202.76	96.59	97.70	19478	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	203.01	96.59	97.70	19470	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	203.26	96.58	97.70	19461	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	203.51				0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	203.76				0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	204.01				0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	204.26	96.58	97.70	19429	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	204.51	96.57	97.70	19421	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	204.76	96.57	97.70	19413	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	205.01	96.57	97.70	19405	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	205.26	96.57	97.70	19397	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	205.51	96.56	97.70	19388	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	205.76	96.56	97.70	19380	0.00	0.05	9.2	8.9
100YR-168HRBasin 1	(PreTr)	BASE	206.01	96.56	97.70	19372	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	206.26	96.56	97.70	19364	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	206.51	96.55	97.70	19356	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	206.76	96.55	97.70	19348	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	207.01	96.55	97.70	19340	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	207.26	96.55	97.70	19332	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	207.51	96.55	97.70	19324	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	207.76	96.54	97.70	19316	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	208.01	96.54	97.70	19308	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	208.26	96.54	97.70	19300	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	208.51	96.54	97.70	19292	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	208.76	96.53	97.70	19284	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	209.01	96.53	97.70	19276	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	209.26	96.53	97.70	19268	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	209.51	96.53	97.70	19260	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	209.76	96.52	97.70	19252	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	210.01	96.52	97.70	19245	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	210.26	96.52	97.70	19237	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	210.51	96.52	97.70	19229	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	210.76	96.52	97.70	19221	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	211.01	96.51	97.70	19213	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	211.26	96.51	97.70	19205	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	211.51	96.51	97.70	19197	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	211.76	96.51	97.70	19189	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	212.01	96.50	97.70	19182	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	212.26	96.50	97.70	19174	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	212.51	96.50	97.70	19166	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	212.76	96.50	97.70	19158	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	213.01	96.50	97.70	19150	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	213.26	96.49	97.70	19142	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	213.51	96.49	97.70	19135	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	213.76	96.49	97.70	19127	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	214.01	96.49	97.70	19119	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	214.26	96.48	97.70	19111	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	214.51	96.48	97.70	19103	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	214.76	96.48	97.70	19096	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	215.01	96.48	97.70	19088	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	215.26	96.48	97.70	19080	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	215.51	96.47	97.70	19072	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	215.76	96.47	97.70	19065	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	216.01	96.47	97.70	19057	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	216.26	96.47	97.70	19049	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	216.51	96.46	97.70	19042	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	216.76	96.46	97.70	19034	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	217.01	96.46	97.70	19026	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	217.26	96.46	97.70	19019	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	217.51	96.46	97.70	19011	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	217.76	96.45	97.70	19003	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	218.01	96.45	97.70	18996	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	218.26	96.45	97.70	18988	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	218.51	96.45	97.70	18980	0.00	0.05	9.2	9.0
100YR-168HRBasin 1	(PreTr)	BASE	218.76	96.44	97.70	18973	0.00	0.05	9.2	9.0

HALF VOLUME RECOVERED

RECOVERY - BASIN 1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-168HRBasin 1	(PreTr)	BASE	261.51	96.10	97.70	17766	0.00	0.04	9.2	9.1
100YR-168HRBasin 1	(PreTr)	BASE	261.76	96.10	97.70	17759	0.00	0.04	9.2	9.1
100YR-168HRBasin 1	(PreTr)	BASE	262.01	96.09	97.70	17752	0.00	0.04	9.2	9.1
100YR-168HRBasin 1	(PreTr)	BASE	262.26	96.09	97.70	17746	0.00	0.04	9.2	9.1
100YR-168HRBasin 1	(PreTr)	BASE	262.51	96.09	97.70	17739	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	262.76	96.09	97.70	17733	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	263.01	96.09	97.70	17726	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	263.26	96.08	97.70	17720	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	263.51	96.08	97.70	17713	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	263.76	96.08	97.70	17707	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	264.01	96.08	97.70	17700	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	264.26	96.08	97.70	17694	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	264.51	96.08	97.70	17687	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	264.76	96.07	97.70	17681	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	265.01	96.07	97.70	17674	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	265.26	96.07	97.70	17668	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	265.51	96.07	97.70	17661	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	265.76	96.07	97.70	17655	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	266.01	96.06	97.70	17648	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	266.26	96.06	97.70	17642	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	266.51	96.06	97.70	17636	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	266.76	96.06	97.70	17629	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	267.01	96.06	97.70	17623	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	267.26	96.06	97.70	17616	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	267.51	96.05	97.70	17610	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	267.76	96.05	97.70	17603	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	268.01	96.05	97.70	17597	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	268.26	96.05	97.70	17591	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	268.51	96.05	97.70	17584	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	268.76	96.04	97.70	17578	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	269.01	96.04	97.70	17571	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	269.26	96.04	97.70	17565	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	269.51	96.04	97.70	17558	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	269.76	96.04	97.70	17552	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	270.01	96.03	97.70	17546	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	270.26	96.03	97.70	17539	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	270.51	96.03	97.70	17533	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	270.76	96.03	97.70	17527	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	271.01	96.03	97.70	17520	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	271.26	96.03	97.70	17514	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	271.51	96.02	97.70	17508	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	271.76	96.02	97.70	17501	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	272.01	96.02	97.70	17495	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	272.26	96.02	97.70	17489	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	272.51	96.02	97.70	17482	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	272.76	96.01	97.70	17476	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	273.01	96.01	97.70	17470	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	273.26	96.01	97.70	17463	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	273.51	96.01	97.70	17457	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	273.76	96.01	97.70	17451	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	274.01	96.01	97.70	17444	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	274.26	96.00	97.70	17438	0.00	0.04	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	274.51	96.00	97.70	17432	0.00	0.03	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	274.76	96.00	97.70	17425	0.00	0.03	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	275.01	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	275.26	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	275.51	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	275.76	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	276.01	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	276.26	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	276.51	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	276.76	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	277.01	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	277.26	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	277.51	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	277.76	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	278.01	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	278.26	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	278.51	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	278.76	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	279.01	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	279.26	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	279.51	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	279.76	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	280.01	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	280.26	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	280.51	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	280.76	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	281.01	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	281.26	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	281.51	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	281.76	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	282.01	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	282.26	96.00	97.70	17424	0.00	0.00	9.2	9.2
100YR-168HRBasin 1	(PreTr)	BASE	282.51	96.00	97.70	17424	0.00	0.00	9.2	9.2

FULL VOLUME RECOVERED

RECOVERY - BASIN 1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-240HRBasin 1	(PreTr)	BASE	265.25	96.72	97.70	19923	0.00	0.05	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	265.50	96.72	97.70	19916	0.00	0.05	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	265.75	96.71	97.70	19909	0.00	0.05	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	266.00	96.71	97.70	19902	0.00	0.05	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	266.25	96.71	97.70	19895	0.00	0.05	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	266.50	96.71	97.70	19888	0.00	0.05	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	266.75	96.70	97.70	19881	0.00	0.05	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	267.00	96.70	97.70	19873	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	267.25	96.70	97.70	19866	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	267.50	96.70	97.70	19859	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	267.75	96.70	97.70	19852	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	268.00	96.69	97.70	19845	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	268.25	96.69	97.70	19838	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	268.50	96.69	97.70	19831	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	268.75	96.69	97.70	19824	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	269.00	96.69	97.70	19817	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	269.25	96.68	97.70	19810	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	269.50	96.68	97.70	19803	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	269.75	96.68	97.70	19796	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	270.00	96.68	97.70	19789	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	270.25	96.68	97.70	19782	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	270.50	96.67	97.70	[illegible]	[illegible]	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	270.75	96.67	97.70	[illegible]	[illegible]	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	271.00	96.67	97.70	[illegible]	[illegible]	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	271.25	96.67	97.70	19754	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	271.50	96.67	97.70	19747	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	271.75	96.66	97.70	19740	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	272.00	96.66	97.70	19733	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	272.25	96.66	97.70	19726	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	272.50	96.66	97.70	19719	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	272.75	96.66	97.70	19712	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	273.00	96.65	97.70	19705	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	273.25	96.65	97.70	19698	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	273.50	96.65	97.70	19691	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	273.75	96.65	97.70	19684	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	274.00	96.65	97.70	19678	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	274.25	96.64	97.70	19671	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	274.50	96.64	97.70	19664	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	274.75	96.64	97.70	19657	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	275.00	96.64	97.70	19650	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	275.25	96.64	97.70	19643	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	275.50	96.63	97.70	19636	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	275.75	96.63	97.70	19629	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	276.00	96.63	97.70	19623	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	276.25	96.63	97.70	19616	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	276.50	96.63	97.70	19609	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	276.75	96.62	97.70	19602	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	277.00	96.62	97.70	19595	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	277.25	96.62	97.70	19588	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	277.50	96.62	97.70	19582	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	277.75	96.62	97.70	19575	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	278.00	96.62	97.70	19568	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	278.25	96.61	97.70	19561	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	278.50	96.61	97.70	19554	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	278.75	96.61	97.70	19548	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	279.00	96.61	97.70	19541	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	279.25	96.61	97.70	19534	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	279.50	96.60	97.70	19527	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	279.75	96.60	97.70	19521	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	280.00	96.60	97.70	19514	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	280.25	96.60	97.70	19507	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	280.50	96.60	97.70	19500	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	280.75	96.59	97.70	19494	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	281.00	96.59	97.70	19487	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	281.25	96.59	97.70	19480	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	281.50	96.59	97.70	19473	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	281.75	96.59	97.70	19467	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	282.00	96.58	97.70	19460	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	282.25	96.58	97.70	19453	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	282.50	96.58	97.70	19447	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	282.75	96.58	97.70	19440	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	283.00	96.58	97.70	19433	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	283.25	96.57	97.70	19427	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	283.50	96.57	97.70	19420	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	283.75	96.57	97.70	19413	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	284.00	96.57	97.70	19407	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	284.25	96.57	97.70	19400	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	284.50	96.57	97.70	19393	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	284.75	96.56	97.70	19387	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	285.00	96.56	97.70	19380	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	285.25	96.56	97.70	19374	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	285.50	96.56	97.70	19367	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	285.75	96.56	97.70	19360	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	286.00	96.55	97.70	19354	0.00	0.04	10.6	10.3
100YR-240HRBasin 1	(PreTr)	BASE	286.25	96.55	97.70	19347	0.00	0.04	10.6	10.3

HALF VOLUME RECOVERED

RECOVERY - BASIN 1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-240HRBasin 1	(PreTr)	BASE	350.25	96.11	97.70	17821	0.00	0.03	10.6	10.5
100YR-240HRBasin 1	(PreTr)	BASE	350.50	96.11	97.70	17816	0.00	0.03	10.6	10.5
100YR-240HRBasin 1	(PreTr)	BASE	350.75	96.11	97.70	17811	0.00	0.03	10.6	10.5
100YR-240HRBasin 1	(PreTr)	BASE	351.00	96.11	97.70	17805	0.00	0.03	10.6	10.5
100YR-240HRBasin 1	(PreTr)	BASE	351.25	96.11	97.70	17800	0.00	0.03	10.6	10.5
100YR-240HRBasin 1	(PreTr)	BASE	351.50	96.11	97.70	17794	0.00	0.03	10.6	10.5
100YR-240HRBasin 1	(PreTr)	BASE	351.75	96.10	97.70	17789	0.00	0.03	10.6	10.5
100YR-240HRBasin 1	(PreTr)	BASE	352.00	96.10	97.70	17784	0.00	0.03	10.6	10.5
100YR-240HRBasin 1	(PreTr)	BASE	352.25	96.10	97.70	17778	0.00	0.03	10.6	10.5
100YR-240HRBasin 1	(PreTr)	BASE	352.50	96.10	97.70	17773	0.00	0.03	10.6	10.5
100YR-240HRBasin 1	(PreTr)	BASE	352.75	96.10	97.70	17767	0.00	0.03	10.6	10.5
100YR-240HRBasin 1	(PreTr)	BASE	353.00	96.10	97.70	17762	0.00	0.03	10.6	10.5
100YR-240HRBasin 1	(PreTr)	BASE	353.25	96.10	97.70	17757	0.00	0.03	10.6	10.5
100YR-240HRBasin 1	(PreTr)	BASE	353.50	96.09	97.70	17751	0.00	0.03	10.6	10.5
100YR-240HRBasin 1	(PreTr)	BASE	353.75	96.09	97.70	17746	0.00	0.03	10.6	10.5
100YR-240HRBasin 1	(PreTr)	BASE	354.00	96.09	97.70	17741	0.00	0.03	10.6	10.5
100YR-240HRBasin 1	(PreTr)	BASE	354.25	96.09	97.70	17735	0.00	0.03	10.6	10.5
100YR-240HRBasin 1	(PreTr)	BASE	354.50	96.09	97.70	17730	0.00	0.03	10.6	10.5
100YR-240HRBasin 1	(PreTr)	BASE	354.75	96.09	97.70	17725	0.00	0.03	10.6	10.5
100YR-240HRBasin 1	(PreTr)	BASE	355.00	96.08	97.70	17719	0.00	0.03	10.6	10.5
100YR-240HRBasin 1	(PreTr)	BASE	355.25	96.08	97.70	17714	0.00	0.03	10.6	10.5
100YR-240HRBasin 1	(PreTr)	BASE	355.50	96.08	97.70	17709	0.00	0.03	10.6	10.5
100YR-240HRBasin 1	(PreTr)	BASE	355.75	96.08	97.70	17703	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	356.00	96.08	97.70	17698	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	356.25	96.08	97.70	17693	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	356.50	96.08	97.70	17687	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	356.75	96.07	97.70	17682	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	357.00	96.07	97.70	17677	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	357.25	96.07	97.70	17671	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	357.50	96.07	97.70	17666	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	357.75	96.07	97.70	17661	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	358.00	96.07	97.70	17655	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	358.25	96.06	97.70	17650	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	358.50	96.06	97.70	17645	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	358.75	96.06	97.70	17639	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	359.00	96.06	97.70	17634	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	359.25	96.06	97.70	17629	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	359.50	96.06	97.70	17624	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	359.75	96.06	97.70	17618	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	360.00	96.05	97.70	17613	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	360.25	96.05	97.70	17608	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	360.50	96.05	97.70	17602	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	360.75	96.05	97.70	17597	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	361.00	96.05	97.70	17592	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	361.25	96.05	97.70	17587	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	361.50	96.05	97.70	17581	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	361.75	96.04	97.70	17576	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	362.00	96.04	97.70	17571	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	362.25	96.04	97.70	17566	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	362.50	96.04	97.70	17560	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	362.75	96.04	97.70	17555	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	363.00	96.04	97.70	17550	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	363.25	96.03	97.70	17545	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	363.50	96.03	97.70	17540	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	363.75	96.03	97.70	17534	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	364.00	96.03	97.70	17529	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	364.25	96.03	97.70	17524	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	364.50	96.03	97.70	17519	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	364.75	96.03	97.70	17513	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	365.00	96.02	97.70	17508	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	365.25	96.02	97.70	17503	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	365.50	96.02	97.70	17498	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	365.75	96.02	97.70	17493	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	366.00	96.02	97.70	17487	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	366.25	96.02	97.70	17482	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	366.50	96.02	97.70	[illegible]	[illegible]00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	366.75	96.01	97.70	[illegible]	[illegible]00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	367.00	96.01	97.70	[illegible]	[illegible]00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	367.25	96.01	97.70	17462	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	367.50	96.01	97.70	17456	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	367.75	96.01	97.70	17451	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	368.00	96.01	97.70	17446	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	368.25	96.00	97.70	17441	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	368.50	96.00	97.70	17436	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	368.75	96.00	97.70	17431	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	369.00	96.00	97.70	17425	0.00	0.03	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	369.25	96.00	97.70	17424	0.00	0.00	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	369.50	96.00	97.70	17424	0.00	0.00	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	369.75	96.00	97.70	17424	0.00	0.00	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	370.00	96.00	97.70	17424	0.00	0.00	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	370.25	96.00	97.70	17424	0.00	0.00	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	370.50	96.00	97.70	17424	0.00	0.00	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	370.75	96.00	97.70	17424	0.00	0.00	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	371.00	96.00	97.70	17424	0.00	0.00	10.6	10.6
100YR-240HRBasin 1	(PreTr)	BASE	371.25	96.00	97.70	17424	0.00	0.00	10.6	10.6

FULL VOLUME RECOVERED

RECOVERY - BASIN 1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-001HR	Basin 2	BASE	0.00	92.00	97.70	6098	0.00	0.00	0.0	0.0
100YR-001HR	Basin 2	BASE	0.26	92.00	97.70	6099	0.11	0.10	0.0	0.0
100YR-001HR	Basin 2	BASE	0.50	92.15	97.70	6226	2.64	0.16	0.0	0.0
100YR-001HR	Basin 2	BASE	0.75	94.04	97.70	8112	28.24	0.21	0.3	0.0
100YR-001HR	Basin 2	BASE	1.00	95.77	97.70	10256	6.68	0.27	0.7	0.0
100YR-001HR	Basin 2	BASE	1.25	95.93	97.70	10393	0.01	0.27	0.8	0.0
100YR-001HR	Basin 2	BASE	1.50	95.91	97.70	10373	0.00	0.27	0.8	0.0
100YR-001HR	Basin 2	BASE	1.75	95.88	97.70	10352	0.00	0.27	0.8	0.0
100YR-001HR	Basin 2	BASE	2.01	95.86	97.70	10331	0.00	0.27	0.8	0.0
100YR-001HR	Basin 2	BASE	2.26	95.84	97.70	10311	0.00	0.27	0.8	0.0
100YR-001HR	Basin 2	BASE	2.50	95.81	97.70	10291	0.00	0.27	0.8	0.0
100YR-001HR	Basin 2	BASE	2.75	95.79	97.70	10270	0.00	0.27	0.8	0.1
100YR-001HR	Basin 2	BASE	3.00	95.77	97.70	10250	0.00	0.27	0.8	0.1
100YR-001HR	Basin 2	BASE	3.25	95.74	97.70	10230	0.00	0.27	0.8	0.1
100YR-001HR	Basin 2	BASE	3.51	95.72	97.70	10209	0.00	0.27	0.8	0.1
100YR-001HR	Basin 2	BASE	3.75	95.69	97.70	10189	0.00	0.27	0.8	0.1
100YR-001HR	Basin 2	BASE	4.00	95.67	97.70	10168	0.00	0.26	0.8	0.1
100YR-001HR	Basin 2	BASE	4.25	95.65	97.70	10148	0.00	0.26	0.8	0.1
100YR-001HR	Basin 2	BASE	4.50	95.62	97.70	10128	0.00	0.26	0.8	0.1
100YR-001HR	Basin 2	BASE	4.76	95.60	97.70	10107	0.00	0.26	0.8	0.1
100YR-001HR	Basin 2	BASE	5.00	95.58	97.70	10087	0.00	0.26	0.8	0.1
100YR-001HR	Basin 2	BASE	5.25	95.55	97.70	10066	0.00	0.26	0.8	0.1
100YR-001HR	Basin 2	BASE	5.50	95.53	97.70	10046	0.00	0.26	0.8	0.1
100YR-001HR	Basin 2	BASE	5.75	95.51	97.70	10026	0.00	0.26	0.8	0.1
100YR-001HR	Basin 2	BASE	6.01	95.48	97.70	9998	0.00	0.26	0.8	0.1
100YR-001HR	Basin 2	BASE	6.25	95.46	97.70	9967	0.00	0.26	0.8	0.1
100YR-001HR	Basin 2	BASE	6.50	95.44	97.70	9937	0.00	0.26	0.8	0.1
100YR-001HR	Basin 2	BASE	6.75	95.41	97.70	9906	0.00	0.26	0.8	0.1
100YR-001HR	Basin 2	BASE	7.00	95.39	97.70	9876	0.00	0.26	0.8	0.1
100YR-001HR	Basin 2	BASE	7.26	95.37	97.70	9844	0.00	0.26	0.8	0.1
100YR-001HR	Basin 2	BASE	7.51	95.34	97.70	9814	0.00	0.26	0.8	0.2
100YR-001HR	Basin 2	BASE	7.75	95.32	97.70	9784	0.00	0.25	0.8	0.2
100YR-001HR	Basin 2	BASE	8.00	95.30	97.70	9753	0.00	0.25	0.8	0.2
100YR-001HR	Basin 2	BASE	8.26	95.27	97.70	9721	0.00	0.25	0.8	0.2
100YR-001HR	Basin 2	BASE	8.51	95.25	97.70	9691	0.00	0.25	0.8	0.2
100YR-001HR	Basin 2	BASE	8.76	95.23	97.70	9660	0.00	0.25	0.8	0.2
100YR-001HR	Basin 2	BASE	9.01	95.20	97.70	9630	0.00	0.25	0.8	0.2
100YR-001HR	Basin 2	BASE	9.26	95.18	97.70	9599	0.00	0.25	0.8	0.2
100YR-001HR	Basin 2	BASE	9.51	95.16	97.70	9569	0.00	0.25	0.8	0.2
100YR-001HR	Basin 2	BASE	9.76	95.13	97.70	9538	0.00	0.25	0.8	0.2
100YR-001HR	Basin 2	BASE	10.01	95.11	97.70	9507	0.00	0.25	0.8	0.2
100YR-001HR	Basin 2	BASE	10.26	95.09	97.70	9477	0.00	0.25	0.8	0.2
100YR-001HR	Basin 2	BASE	10.51	95.06	97.70	9446	0.00	0.25	0.8	0.2
100YR-001HR	Basin 2	BASE	10.76	95.04	97.70	9415	0.00	0.25	0.8	0.2
100YR-001HR	Basin 2	BASE	11.01	95.01	97.70	9385	0.00	0.24	0.8	0.2
100YR-001HR	Basin 2	BASE	11.26	94.99	97.70	9354	0.00	0.24	0.8	0.2
100YR-001HR	Basin 2	BASE	11.51	94.97	97.70	9324	0.00	0.24	0.8	0.2
100YR-001HR	Basin 2	BASE	11.76	94.94	97.70	9293	0.00	0.24	0.8	0.2
100YR-001HR	Basin 2	BASE	12.01	94.92	97.70	9262	0.00	0.24	0.8	0.2
100YR-001HR	Basin 2	BASE	12.26	94.90	97.70	9232	0.00	0.24	0.8	0.3
100YR-001HR	Basin 2	BASE	12.51	94.87	97.70	9201	0.00	0.24	0.8	0.3
100YR-001HR	Basin 2	BASE	12.76	94.85	97.70	9170	0.00	0.24	0.8	0.3
100YR-001HR	Basin 2	BASE	13.01	94.83	97.70	9140	0.00	0.24	0.8	0.3
100YR-001HR	Basin 2	BASE	13.26	94.80	97.70	9109	0.00	0.24	0.8	0.3
100YR-001HR	Basin 2	BASE	13.51	94.78	97.70	9079	0.00	0.24	0.8	0.3
100YR-001HR	Basin 2	BASE	13.76	94.76	97.70	9048	0.00	0.24	0.8	0.3
100YR-001HR	Basin 2	BASE	14.01	94.73	97.70	9017	0.00	0.23	0.8	0.3
100YR-001HR	Basin 2	BASE	14.26	94.71	97.70	8987	0.00	0.23	0.8	0.3
100YR-001HR	Basin 2	BASE	14.51	94.69	97.70	8956	0.00	0.23	0.8	0.3
100YR-001HR	Basin 2	BASE	14.76	94.66	97.70	8925	0.00	0.23	0.8	0.3
100YR-001HR	Basin 2	BASE	15.01	94.64	97.70	8895	0.00	0.23	0.8	0.3
100YR-001HR	Basin 2	BASE	15.26	94.62	97.70	8864	0.00	0.23	0.8	0.3
100YR-001HR	Basin 2	BASE	15.51	94.59	97.70	8833	0.00	0.23	0.8	0.3
100YR-001HR	Basin 2	BASE	15.76	94.57	97.70	8803	0.00	0.23	0.8	0.3
100YR-001HR	Basin 2	BASE	16.01	94.55	97.70	8772	0.00	0.23	0.8	0.3
100YR-001HR	Basin 2	BASE	16.26	94.52	97.70	8742	0.00	0.23	0.8	0.3
100YR-001HR	Basin 2	BASE	16.51	94.50	97.70	8711	0.00	0.23	0.8	0.3
100YR-001HR	Basin 2	BASE	16.76	94.48	97.70	8680	0.00	0.23	0.8	0.3
100YR-001HR	Basin 2	BASE	17.01	94.45	97.70	8650	0.00	0.23	0.8	0.3
100YR-001HR	Basin 2	BASE	17.26	94.43	97.70	8619	0.00	0.22	0.8	0.3
100YR-001HR	Basin 2	BASE	17.51	94.41	97.70	8588	0.00	0.22	0.8	0.4
100YR-001HR	Basin 2	BASE	17.76	94.38	97.70	8558	0.00	0.22	0.8	0.4
100YR-001HR	Basin 2	BASE	18.01	94.36	97.70	8527	0.00	0.22	0.8	0.4
100YR-001HR	Basin 2	BASE	18.26	94.34	97.70	8497	0.00	0.22	0.8	0.4
100YR-001HR	Basin 2	BASE	18.51	94.31	97.70	8466	0.00	0.22	0.8	0.4
100YR-001HR	Basin 2	BASE	18.76	94.29	97.70	8435	0.00	0.22	0.8	0.4
100YR-001HR	Basin 2	BASE	19.01	94.26	97.70	8405	0.00	0.22	0.8	0.4
100YR-001HR	Basin 2	BASE	19.26	94.24	97.70	8374	0.00	0.22	0.8	0.4
100YR-001HR	Basin 2	BASE	19.51	94.22	97.70	8343	0.00	0.22	0.8	0.4
100YR-001HR	Basin 2	BASE	19.76	94.19	97.70	8313	0.00	0.22	0.8	0.4
100YR-001HR	Basin 2	BASE	20.01	94.17	97.70	8282	0.00	0.22	0.8	0.4
100YR-001HR	Basin 2	BASE	20.26	94.15	97.70	8252	0.00	0.21	0.8	0.4
100YR-001HR	Basin 2	BASE	20.51	94.12	97.70	8221	0.00	0.21	0.8	0.4
100YR-001HR	Basin 2	BASE	20.76	94.10	97.70	8190	0.00	0.21	0.8	0.4
100YR-001HR	Basin 2	BASE	21.01	94.08	97.70	8160	0.00	0.21	0.8	0.4

HALF VOLUME RECOVERED

RECOVERY - BASIN 2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-001HR	Basin 2	BASE	63.76	92.34	97.70	6395	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	64.01	92.33	97.70	6390	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	64.26	92.33	97.70	6385	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	64.51	92.32	97.70	6380	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	64.76	92.32	97.70	6375	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	65.01	92.31	97.70	6371	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	65.26	92.31	97.70	6366	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	65.51	92.30	97.70	6361	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	65.76	92.30	97.70	6356	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	66.01	92.29	97.70	6352	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	66.26	92.29	97.70	6347	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	66.51	92.28	97.70	6342	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	66.76	92.27	97.70	6338	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	67.01	92.27	97.70	6333	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	67.26	92.26	97.70	6328	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	67.51	92.26	97.70	6324	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	67.76	92.25	97.70	6319	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	68.01	92.25	97.70	6314	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	68.26	92.24	97.70	6310	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	68.51	92.24	97.70	6305	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	68.76	92.23	97.70	6301	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	69.01	92.23	97.70	6296	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	69.26	92.22	97.70	6292	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	69.51	92.22	97.70	6287	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	69.76	92.21	97.70	6283	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	70.01	92.21	97.70	6278	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	70.26	92.20	97.70	6274	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	70.51	92.20	97.70	6269	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	70.76	92.19	97.70	6265	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	71.01	92.19	97.70	6260	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	71.26	92.18	97.70	6256	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	71.51	92.18	97.70	6251	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	71.76	92.17	97.70	6247	0.00	0.04	0.8	0.7
100YR-001HR	Basin 2	BASE	72.01	92.17	97.70	6242	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	72.26	92.16	97.70	6238	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	72.51	92.16	97.70	6234	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	72.76	92.15	97.70	6229	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	73.01	92.15	97.70	6225	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	73.26	92.14	97.70	6221	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	73.51	92.14	97.70	6216	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	73.76	92.13	97.70	6212	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	74.01	92.13	97.70	6208	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	74.26	92.12	97.70	6203	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	74.51	92.12	97.70	6199	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	74.76	92.11	97.70	6195	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	75.01	92.11	97.70	6191	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	75.26	92.10	97.70	6186	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	75.51	92.10	97.70	6182	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	75.76	92.09	97.70	6178	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	76.01	92.09	97.70	6174	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	76.26	92.08	97.70	6169	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	76.51	92.08	97.70	6165	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	76.76	92.07	97.70	6161	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	77.01	92.07	97.70	6157	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	77.26	92.06	97.70	6153	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	77.51	92.06	97.70	6149	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	77.76	92.05	97.70	6144	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	78.01	92.05	97.70	6140	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	78.26	92.04	97.70	6136	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	78.51	92.04	97.70	6132	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	78.76	92.03	97.70	6128	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	79.01	92.03	97.70	6124	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	79.26	92.02	97.70	6120	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	79.51	92.02	97.70	6116	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	79.76	92.02	97.70	6112	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	80.01	92.01	97.70	6108	0.00	0.03	0.8	0.7
100YR-001HR	Basin 2	BASE	80.26	92.01	97.70	6104	0.00	0.03	0.8	0.8
100YR-001HR	Basin 2	BASE	80.51	92.00	97.70	6100	0.00	0.03	0.8	0.8
100YR-001HR	Basin 2	BASE	80.76	92.00	97.70	6098	0.00	0.00	0.8	0.8
100YR-001HR	Basin 2	BASE	81.01	92.00	97.70	6098	0.00	0.00	0.8	0.8
100YR-001HR	Basin 2	BASE	81.26	92.00	97.70	6098	0.00	0.00	0.8	0.8
100YR-001HR	Basin 2	BASE	81.51	92.00	97.70	6098	0.00	0.00	0.8	0.8
100YR-001HR	Basin 2	BASE	81.76	92.00	97.70	6098	0.00	0.00	0.8	0.8
100YR-001HR	Basin 2	BASE	82.01	92.00	97.70	6098	0.00	0.00	0.8	0.8
100YR-001HR	Basin 2	BASE	82.26	92.00	97.70	6098	0.00	0.00	0.8	0.8
100YR-001HR	Basin 2	BASE	82.51	92.00	97.70	6098	0.00	0.00	0.8	0.8
100YR-001HR	Basin 2	BASE	82.76	92.00	97.70	6098	0.00	0.00	0.8	0.8
100YR-001HR	Basin 2	BASE	83.01	92.00	97.70	6098	0.00	0.00	0.8	0.8
100YR-001HR	Basin 2	BASE	83.26	92.00	97.70	6098	0.00	0.00	0.8	0.8
100YR-001HR	Basin 2	BASE	83.51	92.00	97.70	6098	0.00	0.00	0.8	0.8
100YR-001HR	Basin 2	BASE	83.76	92.00	97.70	6098	0.00	0.00	0.8	0.8
100YR-001HR	Basin 2	BASE	84.01	92.00	97.70	6098	0.00	0.00	0.8	0.8
100YR-001HR	Basin 2	BASE	84.26	92.00	97.70	6098	0.00	0.00	0.8	0.8
100YR-001HR	Basin 2	BASE	84.51	92.00	97.70	6098	0.00	0.00	0.8	0.8
100YR-001HR	Basin 2	BASE	84.76	92.00	97.70	6098	0.00	0.00	0.8	0.8

FULL VOLUME RECOVERED

RECOVERY - BASIN 2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-002HR	Basin 2	BASE	22.26	95.16	97.70	9580	0.00	0.25	1.0	0.5
100YR-002HR	Basin 2	BASE	22.51	95.14	97.70	9549	0.00	0.25	1.0	0.5
100YR-002HR	Basin 2	BASE	22.76	95.12	97.70	9519	0.00	0.25	1.0	0.5
100YR-002HR	Basin 2	BASE	23.01	95.09	97.70	9488	0.00	0.25	1.0	0.5
100YR-002HR	Basin 2	BASE	23.26	95.07	97.70	9458	0.00	0.25	1.0	0.5
100YR-002HR	Basin 2	BASE	23.51	95.05	97.70	9427	0.00	0.25	1.0	0.5
100YR-002HR	Basin 2	BASE	23.76	95.02	97.70	9396	0.00	0.24	1.0	0.5
100YR-002HR	Basin 2	BASE	24.01	95.00	97.70	9366	0.00	0.24	1.0	0.5
100YR-002HR	Basin 2	BASE	24.26	94.98	97.70	9335	0.00	0.24	1.0	0.5
100YR-002HR	Basin 2	BASE	24.51	94.95	97.70	9304	0.00	0.24	1.0	0.5
100YR-002HR	Basin 2	BASE	24.76	94.93	97.70	9274	0.00	0.24	1.0	0.5
100YR-002HR	Basin 2	BASE	25.01	94.91	97.70	9243	0.00	0.24	1.0	0.6
100YR-002HR	Basin 2	BASE	25.26	94.88	97.70	9213	0.00	0.24	1.0	0.6
100YR-002HR	Basin 2	BASE	25.51	94.86	97.70	9182	0.00	0.24	1.0	0.6
100YR-002HR	Basin 2	BASE	25.76	94.84	97.70	9152	0.00	0.23	1.0	0.6
100YR-002HR	Basin 2	BASE	26.01	94.82	97.70	9124	0.00	0.21	1.0	0.6
100YR-002HR	Basin 2	BASE	26.26	94.80	97.70	9095	0.00	0.20	1.0	0.6
100YR-002HR	Basin 2	BASE	26.51	94.78	97.70	9066	0.00	0.19	1.0	0.6
100YR-002HR	Basin 2	BASE	26.76	94.76	97.70	9036	0.00	0.18	1.0	0.6
100YR-002HR	Basin 2	BASE	27.01	94.74	97.70	9025	0.00	0.18	1.0	0.6
100YR-002HR	Basin 2	BASE	27.26	94.72	97.70	9003	0.00	0.17	1.0	0.6
100YR-002HR	Basin 2	BASE	27.51	94.71	97.70	8981	0.00	0.17	1.0	0.6
100YR-002HR	Basin 2	BASE	27.76	94.69	97.70	8960	0.00	0.16	1.0	0.6
100YR-002HR	Basin 2	BASE	28.01	94.67	97.70	8939	0.00	0.16	1.0	0.6
100YR-002HR	Basin 2	BASE	28.26	94.66	97.70	8918	0.00	0.15	1.0	0.6
100YR-002HR	Basin 2	BASE	28.51	94.64	97.70	8898	0.00	0.15	1.0	0.6
100YR-002HR	Basin 2	BASE	28.76	94.63	97.70	8879	0.00	0.15	1.0	0.6
100YR-002HR	Basin 2	BASE	29.01	94.61	97.70	8860	0.00	0.14	1.0	0.6
100YR-002HR	Basin 2	BASE	29.26	94.60	97.70	8841	0.00	0.14	1.0	0.6
100YR-002HR	Basin 2	BASE	29.51	94.58	97.70	8822	0.00	0.14	1.0	0.6
100YR-002HR	Basin 2	BASE	29.76	94.57	97.70	8804	0.00	0.14	1.0	0.6
100YR-002HR	Basin 2	BASE	30.01	94.56	97.70	8786	0.00	0.13	1.0	0.6
100YR-002HR	Basin 2	BASE	30.26	94.54	97.70	8768	0.00	0.13	1.0	0.6
100YR-002HR	Basin 2	BASE	30.51	94.53	97.70	8751	0.00	0.13	1.0	0.6
100YR-002HR	Basin 2	BASE	30.76	94.52	97.70	8734	0.00	0.13	1.0	0.6
100YR-002HR	Basin 2	BASE	31.01	94.50	97.70	8717	0.00	0.12	1.0	0.6
100YR-002HR	Basin 2	BASE	31.26	94.49	97.70	8701	0.00	0.12	1.0	0.6
100YR-002HR	Basin 2	BASE	31.51	94.48	97.70	8684	0.00	0.12	1.0	0.6
100YR-002HR	Basin 2	BASE	31.76	94.47	97.70	8668	0.00	0.12	1.0	0.6
100YR-002HR	Basin 2	BASE	32.01	94.45	97.70	8652	0.00	0.12	1.0	0.6
100YR-002HR	Basin 2	BASE	32.26	94.44	97.70	8636	0.00	0.12	1.0	0.6
100YR-002HR	Basin 2	BASE	32.51	94.43	97.70	8621	0.00	0.11	1.0	0.7
100YR-002HR	Basin 2	BASE	32.76	94.42	97.70	8605	0.00	0.11	1.0	0.7
100YR-002HR	Basin 2	BASE	33.01	94.41	97.70	8590	0.00	0.11	1.0	0.7
100YR-002HR	Basin 2	BASE	33.26	94.40	97.70	8575	0.00	0.11	1.0	0.7
100YR-002HR	Basin 2	BASE	33.51	94.38	97.70	8560	0.00	0.11	1.0	0.7
100YR-002HR	Basin 2	BASE	33.76	94.37	97.70	8545	0.00	0.11	1.0	0.7
100YR-002HR	Basin 2	BASE	34.01	94.36	97.70	8531	0.00	0.11	1.0	0.7
100YR-002HR	Basin 2	BASE	34.26	94.35	97.70	8516	0.00	0.10	1.0	0.7
100YR-002HR	Basin 2	BASE	34.51	94.34	97.70	8502	0.00	0.10	1.0	0.7
100YR-002HR	Basin 2	BASE	34.76	94.33	97.70	8488	0.00	0.10	1.0	0.7
100YR-002HR	Basin 2	BASE	35.01	94.32	97.70	8474	0.00	0.10	1.0	0.7
100YR-002HR	Basin 2	BASE	35.26	94.31	97.70	8460	0.00	0.10	1.0	0.7
100YR-002HR	Basin 2	BASE	35.51	94.30	97.70	8446	0.00	0.10	1.0	0.7
100YR-002HR	Basin 2	BASE	35.76	94.29	97.70	8433	0.00	0.10	1.0	0.7
100YR-002HR	Basin 2	BASE	36.01	94.28	97.70	8419	0.00	0.10	1.0	0.7
100YR-002HR	Basin 2	BASE	36.26	94.27	97.70	8406	0.00	0.10	1.0	0.7
100YR-002HR	Basin 2	BASE	36.51	94.26	97.70	8393	0.00	0.09	1.0	0.7
100YR-002HR	Basin 2	BASE	36.76	94.25	97.70	8380	0.00	0.09	1.0	0.7
100YR-002HR	Basin 2	BASE	37.01	94.24	97.70	8367	0.00	0.09	1.0	0.7
100YR-002HR	Basin 2	BASE	37.26	94.23	97.70	8354	0.00	0.09	1.0	0.7
100YR-002HR	Basin 2	BASE	37.51	94.22	97.70	8341	0.00	0.09	1.0	0.7
100YR-002HR	Basin 2	BASE	37.76	94.21	97.70	8328	0.00	0.09	1.0	0.7
100YR-002HR	Basin 2	BASE	38.01	94.20	97.70	8316	0.00	0.09	1.0	0.7
100YR-002HR	Basin 2	BASE	38.26	94.19	97.70	8303	0.00	0.09	1.0	0.7
100YR-002HR	Basin 2	BASE	38.51	94.18	97.70	8291	0.00	0.09	1.0	0.7
100YR-002HR	Basin 2	BASE	38.76	94.17	97.70	8278	0.00	0.09	1.0	0.7
100YR-002HR	Basin 2	BASE	39.01	94.16	97.70	8266	0.00	0.09	1.0	0.7
100YR-002HR	Basin 2	BASE	39.26	94.15	97.70	8254	0.00	0.08	1.0	0.7
100YR-002HR	Basin 2	BASE	39.51	94.14	97.70	8242	0.00	0.08	1.0	0.7
100YR-002HR	Basin 2	BASE	39.76	94.13	97.70	8230	0.00	0.08	1.0	0.7
100YR-002HR	Basin 2	BASE	40.01	94.12	97.70	8218	0.00	0.08	1.0	0.7
100YR-002HR	Basin 2	BASE	40.26	94.11	97.70	8206	0.00	0.08	1.0	0.7
100YR-002HR	Basin 2	BASE	40.51	94.10	97.70	8194	0.00	0.08	1.0	0.7
100YR-002HR	Basin 2	BASE	40.76	94.09	97.70	8183	0.00	0.08	1.0	0.7
100YR-002HR	Basin 2	BASE	41.01	94.09	97.70	8171	0.00	0.08	1.0	0.7
100YR-002HR	Basin 2	BASE	41.26	94.08	97.70	8160	0.00	0.08	1.0	0.7
100YR-002HR	Basin 2	BASE	41.51	94.07	97.70	8148	0.00	0.08	1.0	0.7
100YR-002HR	Basin 2	BASE	41.76	94.06	97.70	8137	0.00	0.08	1.0	0.7
100YR-002HR	Basin 2	BASE	42.01	94.05	97.70	8126	0.00	0.08	1.0	0.7
100YR-002HR	Basin 2	BASE	42.26	94.04	97.70	8114	0.00	0.08	1.0	0.7
100YR-002HR	Basin 2	BASE	42.51	94.03	97.70	8103	0.00	0.08	1.0	0.7
100YR-002HR	Basin 2	BASE	42.76	94.03	97.70	8092	0.00	0.08	1.0	0.7
100YR-002HR	Basin 2	BASE	43.01	94.02	97.70	8081	0.00	0.08	1.0	0.7
100YR-002HR	Basin 2	BASE	43.26	94.01	97.70	8070	0.00	0.07	1.0	0.7

HALF VOLUME RECOVERED

RECOVERY - BASIN 2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-002HR	Basin 2	BASE	149.76	92.01	97.70	6109	0.00	0.02	1.0	1.1
100YR-002HR	Basin 2	BASE	150.01	92.01	97.70	6106	0.00	0.02	1.0	1.1
100YR-002HR	Basin 2	BASE	150.26	92.01	97.70	6104	0.00	0.02	1.0	1.1
100YR-002HR	Basin 2	BASE	150.51	92.00	97.70	6101	0.00	0.02	1.0	1.1
100YR-002HR	Basin 2	BASE	150.76	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	151.01	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	151.26	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	151.51	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	151.76	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	152.01	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	152.26	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	152.51	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	152.76	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	153.01	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	153.26	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	153.51	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	153.76	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	154.01	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	154.26	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	154.51	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	154.76	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	155.01	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	155.26	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	155.51	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	155.76	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	156.01	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	156.26	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	156.51	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	156.76	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	157.01	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	157.26	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	157.51	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	157.76	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	158.01	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	158.26	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	158.51	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	158.76	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	159.01	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	159.26	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	159.51	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	159.76	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	160.01	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	160.26	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	160.51	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	160.76	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	161.01	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	161.26	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	161.51	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	161.76	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	162.01	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	162.26	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	162.51	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	162.76	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	163.01	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	163.26	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	163.51	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	163.76	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	164.01	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	164.26	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	164.51	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	164.76	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	165.01	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	165.26	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	165.51	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	165.76	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	166.01	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	166.26	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	166.51	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	166.76	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	167.01	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	167.26	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	167.51	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	167.76	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	168.01	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	168.26	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	168.51	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	168.76	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	169.01	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	169.26	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	169.51	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	169.76	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	170.01	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	170.26	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	170.51	92.00	97.70	6098	0.00	0.00	1.0	1.1
100YR-002HR	Basin 2	BASE	170.76	92.00	97.70	6098	0.00	0.00	1.0	1.1

FULL VOLUME RECOVERED

RECOVERY - BASIN 2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-004HR	Basin 2	BASE	22.26	95.44	97.70	9935	0.00	0.26	1.1	0.5
100YR-004HR	Basin 2	BASE	22.51	95.41	97.70	9904	0.00	0.26	1.1	0.5
100YR-004HR	Basin 2	BASE	22.76	95.39	97.70	9874	0.00	0.26	1.1	0.5
100YR-004HR	Basin 2	BASE	23.01	95.37	97.70	9843	0.00	0.26	1.1	0.5
100YR-004HR	Basin 2	BASE	23.26	95.34	97.70	9813	0.00	0.26	1.1	0.5
100YR-004HR	Basin 2	BASE	23.51	95.32	97.70	9782	0.00	0.25	1.1	0.5
100YR-004HR	Basin 2	BASE	23.76	95.30	97.70	9751	0.00	0.25	1.1	0.5
100YR-004HR	Basin 2	BASE	24.01	95.27	97.70	9721	0.00	0.25	1.1	0.5
100YR-004HR	Basin 2	BASE	24.26	95.25	97.70	9690	0.00	0.25	1.1	0.5
100YR-004HR	Basin 2	BASE	24.51	95.22	97.70	9659	0.00	0.25	1.1	0.5
100YR-004HR	Basin 2	BASE	24.76	95.20	97.70	9629	0.00	0.25	1.1	0.5
100YR-004HR	Basin 2	BASE	25.01	95.18	97.70	9598	0.00	0.25	1.1	0.6
100YR-004HR	Basin 2	BASE	25.26	95.15	97.70	9568	0.00	0.25	1.1	0.6
100YR-004HR	Basin 2	BASE	25.51	95.13	97.70	9537	0.00	0.25	1.1	0.6
100YR-004HR	Basin 2	BASE	25.76	95.11	97.70	9506	0.00	0.25	1.1	0.6
100YR-004HR	Basin 2	BASE	26.01	95.08	97.70	9476	0.00	0.25	1.1	0.6
100YR-004HR	Basin 2	BASE	26.26	95.06	97.70	9445	0.00	0.25	1.1	0.6
100YR-004HR	Basin 2	BASE	26.51	95.04	97.70	9415	0.00	0.23	1.1	0.6
100YR-004HR	Basin 2	BASE	26.76	95.02	97.70	9387	0.00	0.21	1.1	0.6
100YR-004HR	Basin 2	BASE	27.01	95.00	97.70	9361	0.00	0.20	1.1	0.6
100YR-004HR	Basin 2	BASE	27.26	94.98	97.70	9336	0.00	0.19	1.1	0.6
100YR-004HR	Basin 2	BASE	27.51	94.96	97.70	9312	0.00	0.19	1.1	0.6
100YR-004HR	Basin 2	BASE	27.76	94.94	97.70	9289	0.00	0.18	1.1	0.6
100YR-004HR	Basin 2	BASE	28.01	94.92	97.70	9266	0.00	0.17	1.1	0.6
100YR-004HR	Basin 2	BASE	28.26	94.91	97.70	9244	0.00	0.17	1.1	0.6
100YR-004HR	Basin 2	BASE	28.51	94.89	97.70	9223	0.00	0.17	1.1	0.6
100YR-004HR	Basin 2	BASE	28.76	94.88	97.70	9202	0.00	0.16	1.1	0.6
100YR-004HR	Basin 2	BASE	29.01	94.86	97.70	9182	0.00	0.16	1.1	0.6
100YR-004HR	Basin 2	BASE	29.26	94.84	97.70	9162	0.00	0.15	1.1	0.6
100YR-004HR	Basin 2	BASE	29.51	94.83	97.70	9142	0.00	0.15	1.1	0.6
100YR-004HR	Basin 2	BASE	29.76	94.81	97.70	9123	0.00	0.15	1.1	0.6
100YR-004HR	Basin 2	BASE	30.01	94.80	97.70	9104	0.00	0.14	1.1	0.6
100YR-004HR	Basin 2	BASE	30.26	94.79	97.70	9086	0.00	0.14	1.1	0.6
100YR-004HR	Basin 2	BASE	30.51	94.77	97.70	9068	0.00	0.14	1.1	0.6
100YR-004HR	Basin 2	BASE	30.76	94.76	97.70	9050	0.00	0.14	1.1	0.6
100YR-004HR	Basin 2	BASE	31.01	94.74	97.70	9032	0.00	0.13	1.1	0.6
100YR-004HR	Basin 2	BASE	31.26	94.73	97.70	9015	0.00	0.13	1.1	0.6
100YR-004HR	Basin 2	BASE	31.51	94.72	97.70	8998	0.00	0.13	1.1	0.6
100YR-004HR	Basin 2	BASE	31.76	94.71	97.70	8981	0.00	0.13	1.1	0.7
100YR-004HR	Basin 2	BASE	32.01	94.69	97.70	8964	0.00	0.13	1.1	0.7
100YR-004HR	Basin 2	BASE	32.26	94.68	97.70	8948	0.00	0.12	1.1	0.7
100YR-004HR	Basin 2	BASE	32.51	94.67	97.70	8932	0.00	0.12	1.1	0.7
100YR-004HR	Basin 2	BASE	32.76	94.66	97.70	8916	0.00	0.12	1.1	0.7
100YR-004HR	Basin 2	BASE	33.01	94.64	97.70	8900	0.00	0.12	1.1	0.7
100YR-004HR	Basin 2	BASE	33.26	94.63	97.70	8884	0.00	0.12	1.1	0.7
100YR-004HR	Basin 2	BASE	33.51	94.62	97.70	8869	0.00	0.12	1.1	0.7
100YR-004HR	Basin 2	BASE	33.76	94.61	97.70	8854	0.00	0.11	1.1	0.7
100YR-004HR	Basin 2	BASE	34.01	94.60	97.70	8839	0.00	0.11	1.1	0.7
100YR-004HR	Basin 2	BASE	34.26	94.59	97.70	8824	0.00	0.11	1.1	0.7
100YR-004HR	Basin 2	BASE	34.51	94.57	97.70	8809	0.00	0.11	1.1	0.7
100YR-004HR	Basin 2	BASE	34.76	94.56	97.70	8795	0.00	0.11	1.1	0.7
100YR-004HR	Basin 2	BASE	35.01	94.55	97.70	8780	0.00	0.11	1.1	0.7
100YR-004HR	Basin 2	BASE	35.26	94.54	97.70	8766	0.00	0.11	1.1	0.7
100YR-004HR	Basin 2	BASE	35.51	94.53	97.70	8752	0.00	0.10	1.1	0.7
100YR-004HR	Basin 2	BASE	35.76	94.52	97.70	8738	0.00	0.10	1.1	0.7
100YR-004HR	Basin 2	BASE	36.01	94.51	97.70	8724	0.00	0.10	1.1	0.7
100YR-004HR	Basin 2	BASE	36.26	94.50	97.70	8710	0.00	0.10	1.1	0.7
100YR-004HR	Basin 2	BASE	36.51	94.49	97.70	8697	0.00	0.10	1.1	0.7
100YR-004HR	Basin 2	BASE	36.76	94.48	97.70	8683	0.00	0.10	1.1	0.7
100YR-004HR	Basin 2	BASE	37.01	94.47	97.70	8670	0.00	0.10	1.1	0.7
100YR-004HR	Basin 2	BASE	37.26	94.46	97.70	8657	0.00	0.10	1.1	0.7
100YR-004HR	Basin 2	BASE	37.51	94.45	97.70	8644	0.00	0.10	1.1	0.7
100YR-004HR	Basin 2	BASE	37.76	94.44	97.70	8631	0.00	0.10	1.1	0.7
100YR-004HR	Basin 2	BASE	38.01	94.43	97.70	8618	0.00	0.09	1.1	0.7
100YR-004HR	Basin 2	BASE	38.26	94.42	97.70	8605	0.00	0.09	1.1	0.7
100YR-004HR	Basin 2	BASE	38.51	94.41	97.70	8592	0.00	0.09	1.1	0.7
100YR-004HR	Basin 2	BASE	38.76	94.40	97.70	8580	0.00	0.09	1.1	0.7
100YR-004HR	Basin 2	BASE	39.01	94.39	97.70	8567	0.00	0.09	1.1	0.7
100YR-004HR	Basin 2	BASE	39.26	94.38	97.70	8555	0.00	0.09	1.1	0.7
100YR-004HR	Basin 2	BASE	39.51	94.37	97.70	8542	0.00	0.09	1.1	0.7
100YR-004HR	Basin 2	BASE	39.76	94.36	97.70	8530	0.00	0.09	1.1	0.7
100YR-004HR	Basin 2	BASE	40.01	94.35	97.70	8518	0.00	0.09	1.1	0.7
100YR-004HR	Basin 2	BASE	40.26	94.34	97.70	8506	0.00	0.09	1.1	0.7
100YR-004HR	Basin 2	BASE	40.51	94.33	97.70	8494	0.00	0.09	1.1	0.7
100YR-004HR	Basin 2	BASE	40.76	94.32	97.70	8482	0.00	0.09	1.1	0.7
100YR-004HR	Basin 2	BASE	41.01	94.32	97.70	8470	0.00	0.08	1.1	0.7
100YR-004HR	Basin 2	BASE	41.26	94.31	97.70	8459	0.00	0.08	1.1	0.7
100YR-004HR	Basin 2	BASE	41.51	94.30	97.70	8447	0.00	0.08	1.1	0.7
100YR-004HR	Basin 2	BASE	41.76	94.29	97.70	8435	0.00	0.08	1.1	0.7
100YR-004HR	Basin 2	BASE	42.01	94.28	97.70	8424	0.00	0.08	1.1	0.7
100YR-004HR	Basin 2	BASE	42.26	94.27	97.70	8413	0.00	0.08	1.1	0.7
100YR-004HR	Basin 2	BASE	42.51	94.26	97.70	8401	0.00	0.08	1.1	0.7
100YR-004HR	Basin 2	BASE	42.76	94.25	97.70	8390	0.00	0.08	1.1	0.7
100YR-004HR	Basin 2	BASE	43.01	94.24	97.70	8379	0.00	0.08	1.1	0.7
100YR-004HR	Basin 2	BASE	43.26	94.24	97.70	8368	0.00	0.08	1.1	0.7

RECOVERY - BASIN 2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-004HR	Basin 2	BASE	149.76	92.21	97.70	6281	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	150.01	92.21	97.70	6278	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	150.26	92.20	97.70	6276	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	150.51	92.20	97.70	6273	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	150.76	92.20	97.70	6270	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	151.01	92.19	97.70	6267	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	151.26	92.19	97.70	6265	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	151.51	92.19	97.70	6262	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	151.76	92.18	97.70	6259	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	152.01	92.18	97.70	6257	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	152.26	92.18	97.70	6254	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	152.51	92.18	97.70	6251	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	152.76	92.17	97.70	6249	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	153.01	92.17	97.70	6246	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	153.26	92.17	97.70	6243	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	153.51	92.16	97.70	6240	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	153.76	92.16	97.70	6238	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	154.01	92.16	97.70	6235	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	154.26	92.15	97.70	6232	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	154.51	92.15	97.70	6230	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	154.76	92.15	97.70	6227	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	155.01	92.14	97.70	6224	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	155.26	92.14	97.70	6222	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	155.51	92.14	97.70	6219	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	155.76	92.14	97.70	6216	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	156.01	92.13	97.70	6214	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	156.26	92.13	97.70	6211	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	156.51	92.13	97.70	6209	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	156.76	92.12	97.70	6206	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	157.01	92.12	97.70	6203	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	157.26	92.12	97.70	6201	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	157.51	92.11	97.70	6198	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	157.76	92.11	97.70	6195	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	158.01	92.11	97.70	6193	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	158.26	92.11	97.70	6190	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	158.51	92.10	97.70	6187	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	158.76	92.10	97.70	6185	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	159.01	92.10	97.70	6182	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	159.26	92.09	97.70	6180	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	159.51	92.09	97.70	6177	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	159.76	92.09	97.70	6174	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	160.01	92.08	97.70	6172	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	160.26	92.08	97.70	6169	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	160.51	92.08	97.70	6167	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	160.76	92.08	97.70	6164	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	161.01	92.07	97.70	6161	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	161.26	92.07	97.70	6159	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	161.51	92.07	97.70	6156	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	161.76	92.06	97.70	6154	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	162.01	92.06	97.70	6151	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	162.26	92.06	97.70	6148	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	162.51	92.05	97.70	6146	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	162.76	92.05	97.70	6143	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	163.01	92.05	97.70	6141	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	163.26	92.05	97.70	6138	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	163.51	92.04	97.70	6136	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	163.76	92.04	97.70	6133	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	164.01	92.04	97.70	6131	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	164.26	92.03	97.70	6128	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	164.51	92.03	97.70	6125	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	164.76	92.03	97.70	6123	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	165.01	92.03	97.70	6120	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	165.26	92.02	97.70	6118	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	165.51	92.02	97.70	6115	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	165.76	92.02	97.70	6113	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	166.01	92.01	97.70	6110	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	166.26	92.01	97.70	6108	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	166.51	92.01	97.70	6105	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	166.76	92.00	97.70	6103	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	167.01	92.00	97.70	6100	0.00	0.02	1.1	1.1
100YR-004HR	Basin 2	BASE	167.26	92.00	97.70	6098	0.00	0.00	1.1	1.1
100YR-004HR	Basin 2	BASE	167.51	92.00	97.70	6098	0.00	0.00	1.1	1.1
100YR-004HR	Basin 2	BASE	167.76	92.00	97.70	[illegible]	[illegible]	0.00	1.1	1.1
100YR-004HR	Basin 2	BASE	168.01	92.00	97.70	[illegible]	[illegible]	0.00	1.1	1.1
100YR-004HR	Basin 2	BASE	168.26	92.00	97.70	[illegible]	[illegible]	0.00	1.1	1.1
100YR-004HR	Basin 2	BASE	168.51	92.00	97.70	6098	0.00	0.00	1.1	1.1
100YR-004HR	Basin 2	BASE	168.76	92.00	97.70	6098	0.00	0.00	1.1	1.1
100YR-004HR	Basin 2	BASE	169.01	92.00	97.70	6098	0.00	0.00	1.1	1.1
100YR-004HR	Basin 2	BASE	169.26	92.00	97.70	6098	0.00	0.00	1.1	1.1
100YR-004HR	Basin 2	BASE	169.51	92.00	97.70	6098	0.00	0.00	1.1	1.1
100YR-004HR	Basin 2	BASE	169.76	92.00	97.70	6098	0.00	0.00	1.1	1.1
100YR-004HR	Basin 2	BASE	170.01	92.00	97.70	6098	0.00	0.00	1.1	1.1
100YR-004HR	Basin 2	BASE	170.26	92.00	97.70	6098	0.00	0.00	1.1	1.1
100YR-004HR	Basin 2	BASE	170.51	92.00	97.70	6098	0.00	0.00	1.1	1.1
100YR-004HR	Basin 2	BASE	170.76	92.00	97.70	6098	0.00	0.00	1.1	1.1

FULL VOLUME RECOVERED

RECOVERY - BASIN 2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-008HR	Basin 2	BASE	20.26	95.94	97.70	10400	0.00	0.27	1.2	0.4
100YR-008HR	Basin 2	BASE	20.50	95.91	97.70	10380	0.00	0.27	1.2	0.4
100YR-008HR	Basin 2	BASE	20.75	95.89	97.70	10360	0.00	0.27	1.2	0.4
100YR-008HR	Basin 2	BASE	21.01	95.87	97.70	10339	0.00	0.27	1.2	0.5
100YR-008HR	Basin 2	BASE	21.26	95.84	97.70	10318	0.00	0.27	1.2	0.5
100YR-008HR	Basin 2	BASE	21.50	95.82	97.70	10299	0.00	0.27	1.2	0.5
100YR-008HR	Basin 2	BASE	21.75	95.80	97.70	10278	0.00	0.27	1.2	0.5
100YR-008HR	Basin 2	BASE	22.01	95.77	97.70	10257	0.00	0.27	1.2	0.5
100YR-008HR	Basin 2	BASE	22.26	95.75	97.70	10237	0.00	0.27	1.2	0.5
100YR-008HR	Basin 2	BASE	22.50	95.73	97.70	10217	0.00	0.27	1.2	0.5
100YR-008HR	Basin 2	BASE	22.75	95.70	97.70	10196	0.00	0.27	1.2	0.5
100YR-008HR	Basin 2	BASE	23.01	95.68	97.70	10176	0.00	0.26	1.2	0.5
100YR-008HR	Basin 2	BASE	23.26	95.66	97.70	10155	0.00	0.26	1.2	0.5
100YR-008HR	Basin 2	BASE	23.50	95.63	97.70	10135	0.00	0.26	1.2	0.5
100YR-008HR	Basin 2	BASE	23.75	95.61	97.70	10115	0.00	0.26	1.2	0.5
100YR-008HR	Basin 2	BASE	24.01	95.59	97.70	10094	0.00	0.26	1.2	0.5
100YR-008HR	Basin 2	BASE	24.26	95.56	97.70	10073	0.00	0.26	1.2	0.5
100YR-008HR	Basin 2	BASE	24.50	95.54	97.70	10054	0.00	0.26	1.2	0.5
100YR-008HR	Basin 2	BASE	24.75	95.52	97.70	10033	0.00	0.26	1.2	0.5
100YR-008HR	Basin 2	BASE	25.01	95.49	97.70	10009	0.00	0.26	1.2	0.5
100YR-008HR	Basin 2	BASE	25.25	95.47	97.70	9979	0.00	0.26	1.2	0.5
100YR-008HR	Basin 2	BASE	25.50	95.45	97.70	9949	0.00	0.26	1.2	0.6
100YR-008HR	Basin 2	BASE	25.75	95.42	97.70	9918	0.00	0.26	1.2	0.6
100YR-008HR	Basin 2	BASE	26.00	95.40	97.70	9887	0.00	0.26	1.2	0.6
100YR-008HR	Basin 2	BASE	26.25	95.38	97.70	9857	0.00	0.26	1.2	0.6
100YR-008HR	Basin 2	BASE	26.50	95.35	97.70	9826	0.00	0.26	1.2	0.6
100YR-008HR	Basin 2	BASE	26.75	95.33	97.70	9795	0.00	0.26	1.2	0.6
100YR-008HR	Basin 2	BASE	27.00	95.31	97.70	9765	0.00	0.25	1.2	0.6
100YR-008HR	Basin 2	BASE	27.25	95.28	97.70	9734	0.00	0.25	1.2	0.6
100YR-008HR	Basin 2	BASE	27.50	95.26	97.70	9703	0.00	0.25	1.2	0.6
100YR-008HR	Basin 2	BASE	27.75	95.24	97.70	9674	0.00	0.23	1.2	0.6
100YR-008HR	Basin 2	BASE	28.00	95.22	97.70	9647	0.00	0.21	1.2	0.6
100YR-008HR	Basin 2	BASE	28.25	95.20	97.70	9622	0.00	0.20	1.2	0.6
100YR-008HR	Basin 2	BASE	28.50	95.18	97.70	[illegible]	0.00	0.20	1.2	0.6
100YR-008HR	Basin 2	BASE	28.75	95.16	97.70	[illegible]	0.00	0.19	1.2	0.6
100YR-008HR	Basin 2	BASE	29.00	95.14	97.70	[illegible]	0.00	0.18	1.2	0.6
100YR-008HR	Basin 2	BASE	29.25	95.13	97.70	9529	0.00	0.18	1.2	0.6
100YR-008HR	Basin 2	BASE	29.50	95.11	97.70	9507	0.00	0.17	1.2	0.6
100YR-008HR	Basin 2	BASE	29.75	95.09	97.70	9486	0.00	0.17	1.2	0.6
100YR-008HR	Basin 2	BASE	30.00	95.08	97.70	9465	0.00	0.16	1.2	0.6
100YR-008HR	Basin 2	BASE	30.25	95.06	97.70	9445	0.00	0.16	1.2	0.6
100YR-008HR	Basin 2	BASE	30.50	95.05	97.70	9426	0.00	0.16	1.2	0.6
100YR-008HR	Basin 2	BASE	30.75	95.03	97.70	9406	0.00	0.15	1.2	0.6
100YR-008HR	Basin 2	BASE	31.00	95.02	97.70	9387	0.00	0.15	1.2	0.6
100YR-008HR	Basin 2	BASE	31.25	95.00	97.70	9369	0.00	0.15	1.2	0.6
100YR-008HR	Basin 2	BASE	31.50	94.99	97.70	9350	0.00	0.14	1.2	0.7
100YR-008HR	Basin 2	BASE	31.75	94.97	97.70	9332	0.00	0.14	1.2	0.7
100YR-008HR	Basin 2	BASE	32.00	94.96	97.70	9314	0.00	0.14	1.2	0.7
100YR-008HR	Basin 2	BASE	32.25	94.95	97.70	9297	0.00	0.14	1.2	0.7
100YR-008HR	Basin 2	BASE	32.50	94.93	97.70	9280	0.00	0.13	1.2	0.7
100YR-008HR	Basin 2	BASE	32.75	94.92	97.70	9263	0.00	0.13	1.2	0.7
100YR-008HR	Basin 2	BASE	33.00	94.91	97.70	9246	0.00	0.13	1.2	0.7
100YR-008HR	Basin 2	BASE	33.25	94.90	97.70	9230	0.00	0.13	1.2	0.7
100YR-008HR	Basin 2	BASE	33.50	94.88	97.70	9213	0.00	0.13	1.2	0.7
100YR-008HR	Basin 2	BASE	33.75	94.87	97.70	9197	0.00	0.12	1.2	0.7
100YR-008HR	Basin 2	BASE	34.00	94.86	97.70	9182	0.00	0.12	1.2	0.7
100YR-008HR	Basin 2	BASE	34.25	94.85	97.70	9166	0.00	0.12	1.2	0.7
100YR-008HR	Basin 2	BASE	34.50	94.84	97.70	9150	0.00	0.12	1.2	0.7
100YR-008HR	Basin 2	BASE	34.75	94.82	97.70	9135	0.00	0.12	1.2	0.7
100YR-008HR	Basin 2	BASE	35.00	94.81	97.70	9120	0.00	0.12	1.2	0.7
100YR-008HR	Basin 2	BASE	35.25	94.80	97.70	9105	0.00	0.11	1.2	0.7
100YR-008HR	Basin 2	BASE	35.50	94.79	97.70	9090	0.00	0.11	1.2	0.7
100YR-008HR	Basin 2	BASE	35.75	94.78	97.70	9076	0.00	0.11	1.2	0.7
100YR-008HR	Basin 2	BASE	36.00	94.77	97.70	9061	0.00	0.11	1.2	0.7
100YR-008HR	Basin 2	BASE	36.25	94.76	97.70	9047	0.00	0.11	1.2	0.7
100YR-008HR	Basin 2	BASE	36.50	94.75	97.70	9033	0.00	0.11	1.2	0.7
100YR-008HR	Basin 2	BASE	36.75	94.73	97.70	9019	0.00	0.11	1.2	0.7
100YR-008HR	Basin 2	BASE	37.00	94.72	97.70	9005	0.00	0.11	1.2	0.7
100YR-008HR	Basin 2	BASE	37.25	94.71	97.70	8991	0.00	0.10	1.2	0.7
100YR-008HR	Basin 2	BASE	37.50	94.70	97.70	8977	0.00	0.10	1.2	0.7
100YR-008HR	Basin 2	BASE	37.75	94.69	97.70	8964	0.00	0.10	1.2	0.7
100YR-008HR	Basin 2	BASE	38.00	94.68	97.70	8950	0.00	0.10	1.2	0.7
100YR-008HR	Basin 2	BASE	38.25	94.67	97.70	8937	0.00	0.10	1.2	0.7
100YR-008HR	Basin 2	BASE	38.50	94.66	97.70	8924	0.00	0.10	1.2	0.7
100YR-008HR	Basin 2	BASE	38.75	94.65	97.70	8911	0.00	0.10	1.2	0.7
100YR-008HR	Basin 2	BASE	39.00	94.64	97.70	8898	0.00	0.10	1.2	0.7
100YR-008HR	Basin 2	BASE	39.25	94.63	97.70	8885	0.00	0.10	1.2	0.7
100YR-008HR	Basin 2	BASE	39.50	94.62	97.70	8872	0.00	0.10	1.2	0.7
100YR-008HR	Basin 2	BASE	39.75	94.61	97.70	8860	0.00	0.09	1.2	0.7
100YR-008HR	Basin 2	BASE	40.00	94.60	97.70	8847	0.00	0.09	1.2	0.7
100YR-008HR	Basin 2	BASE	40.25	94.59	97.70	8835	0.00	0.09	1.2	0.7
100YR-008HR	Basin 2	BASE	40.50	94.58	97.70	8822	0.00	0.09	1.2	0.7
100YR-008HR	Basin 2	BASE	40.75	94.58	97.70	8810	0.00	0.09	1.2	0.7
100YR-008HR	Basin 2	BASE	41.00	94.57	97.70	8798	0.00	0.09	1.2	0.7
100YR-008HR	Basin 2	BASE	41.25	94.56	97.70	8786	0.00	0.09	1.2	0.7

RECOVERY - BASIN 2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-008HR	Basin 2	BASE	169.00	92.19	97.70	6260	0.00	0.02	1.2	1.1
100YR-008HR	Basin 2	BASE	169.25	92.18	97.70	6258	0.00	0.02	1.2	1.1
100YR-008HR	Basin 2	BASE	169.50	92.18	97.70	6255	0.00	0.02	1.2	1.1
100YR-008HR	Basin 2	BASE	169.75	92.18	97.70	6253	0.00	0.02	1.2	1.1
100YR-008HR	Basin 2	BASE	170.00	92.17	97.70	6250	0.00	0.02	1.2	1.1
100YR-008HR	Basin 2	BASE	170.25	92.17	97.70	6248	0.00	0.02	1.2	1.1
100YR-008HR	Basin 2	BASE	170.50	92.17	97.70	6245	0.00	0.02	1.2	1.1
100YR-008HR	Basin 2	BASE	170.75	92.17	97.70	6243	0.00	0.02	1.2	1.1
100YR-008HR	Basin 2	BASE	171.00	92.16	97.70	6240	0.00	0.02	1.2	1.1
100YR-008HR	Basin 2	BASE	171.25	92.16	97.70	6238	0.00	0.02	1.2	1.1
100YR-008HR	Basin 2	BASE	171.50	92.16	97.70	6235	0.00	0.02	1.2	1.1
100YR-008HR	Basin 2	BASE	171.75	92.15	97.70	6233	0.00	0.02	1.2	1.1
100YR-008HR	Basin 2	BASE	172.00	92.15	97.70	6230	0.00	0.02	1.2	1.1
100YR-008HR	Basin 2	BASE	172.25	92.15	97.70	6228	0.00	0.02	1.2	1.1
100YR-008HR	Basin 2	BASE	172.50	92.15	97.70	6225	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	172.75	92.14	97.70	6223	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	173.00	92.14	97.70	6220	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	173.25	92.14	97.70	6218	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	173.50	92.13	97.70	6215	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	173.75	92.13	97.70	6213	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	174.00	92.13	97.70	6210	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	174.25	92.13	97.70	6208	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	174.50	92.12	97.70	6205	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	174.75	92.12	97.70	6203	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	175.00	92.12	97.70	6200	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	175.25	92.11	97.70	6198	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	175.50	92.11	97.70	6195	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	175.75	92.11	97.70	6193	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	176.00	92.11	97.70	6190	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	176.25	92.10	97.70	6188	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	176.50	92.10	97.70	6185	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	176.75	92.10	97.70	6183	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	177.00	92.09	97.70	6180	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	177.25	92.09	97.70	6178	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	177.50	92.09	97.70	6176	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	177.75	92.09	97.70	6173	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	178.00	92.08	97.70	6171	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	178.25	92.08	97.70	6168	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	178.50	92.08	97.70	6166	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	178.75	92.07	97.70	6163	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	179.00	92.07	97.70	6161	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	179.25	92.07	97.70	6158	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	179.50	92.07	97.70	6156	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	179.75	92.06	97.70	6154	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	180.00	92.06	97.70	6151	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	180.25	92.06	97.70	6149	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	180.50	92.06	97.70	6146	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	180.75	92.05	97.70	6144	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	181.00	92.05	97.70	6142	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	181.25	92.05	97.70	6139	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	181.50	92.04	97.70	6137	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	181.75	92.04	97.70	6134	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	182.00	92.04	97.70	6132	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	182.25	92.04	97.70	6129	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	182.50	92.03	97.70	6127	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	182.75	92.03	97.70	6125	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	183.00	92.03	97.70	6122	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	183.25	92.02	97.70	6120	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	183.50	92.02	97.70	6117	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	183.75	92.02	97.70	6115	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	184.00	92.02	97.70	6113	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	184.25	92.01	97.70	6110	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	184.50	92.01	97.70	6108	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	184.75	92.01	97.70	6106	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	185.00	92.01	97.70	6103	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	185.25	92.00	97.70	6101	0.00	0.02	1.2	1.2
100YR-008HR	Basin 2	BASE	185.50	92.00	97.70	6098	0.00	0.01	1.2	1.2
100YR-008HR	Basin 2	BASE	185.75	92.00	97.70	6098	0.00	0.00	1.2	1.2
100YR-008HR	Basin 2	BASE	186.00	92.00	97.70	6098	0.00	0.00	1.2	1.2
100YR-008HR	Basin 2	BASE	186.25	92.00	97.70	6098	0.00	0.00	1.2	1.2
100YR-008HR	Basin 2	BASE	186.50	92.00	97.70	6098	0.00	0.00	1.2	1.2
100YR-008HR	Basin 2	BASE	186.75	92.00	97.70	6098	0.00	0.00	1.2	1.2
100YR-008HR	Basin 2	BASE	187.00	92.00	97.70	6098	0.00	0.00	1.2	1.2
100YR-008HR	Basin 2	BASE	187.25	92.00	97.70	6098	0.00	0.00	1.2	1.2
100YR-008HR	Basin 2	BASE	187.50	92.00	97.70	6098	0.00	0.00	1.2	1.2
100YR-008HR	Basin 2	BASE	187.75	92.00	97.70	6098	0.00	0.00	1.2	1.2
100YR-008HR	Basin 2	BASE	188.00	92.00	97.70	6098	0.00	0.00	1.2	1.2
100YR-008HR	Basin 2	BASE	188.25	92.00	97.70	6098	0.00	0.00	1.2	1.2
100YR-008HR	Basin 2	BASE	188.50	92.00	97.70	6098	0.00	0.00	1.2	1.2
100YR-008HR	Basin 2	BASE	188.75	92.00	97.70	6098	0.00	0.00	1.2	1.2
100YR-008HR	Basin 2	BASE	189.00	92.00	97.70	6098	0.00	0.00	1.2	1.2
100YR-008HR	Basin 2	BASE	189.25	92.00	97.70	6098	0.00	0.00	1.2	1.2
100YR-008HR	Basin 2	BASE	189.50	92.00	97.70	6098	0.00	0.00	1.2	1.2
100YR-008HR	Basin 2	BASE	189.75	92.00	97.70	6098	0.00	0.00	1.2	1.2
100YR-008HR	Basin 2	BASE	190.00	92.00	97.70	6098	0.00	0.00	1.2	1.2

FULL VOLUME RECOVERED

RECOVERY - BASIN 2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-024HR	Basin 2	BASE	35.25	95.83	97.70	10303	0.00	0.20	1.4	0.7
100YR-024HR	Basin 2	BASE	35.50	95.81	97.70	10287	0.00	0.19	1.4	0.7
100YR-024HR	Basin 2	BASE	35.75	95.79	97.70	10273	0.00	0.19	1.4	0.7
100YR-024HR	Basin 2	BASE	36.00	95.78	97.70	10259	0.00	0.18	1.4	0.7
100YR-024HR	Basin 2	BASE	36.25	95.76	97.70	10245	0.00	0.18	1.4	0.7
100YR-024HR	Basin 2	BASE	36.50	95.74	97.70	10231	0.00	0.18	1.4	0.7
100YR-024HR	Basin 2	BASE	36.75	95.73	97.70	10218	0.00	0.17	1.4	0.7
100YR-024HR	Basin 2	BASE	37.00	95.71	97.70	10205	0.00	0.17	1.4	0.7
100YR-024HR	Basin 2	BASE	37.25	95.70	97.70	10192	0.00	0.16	1.4	0.7
100YR-024HR	Basin 2	BASE	37.50	95.68	97.70	10179	0.00	0.16	1.4	0.7
100YR-024HR	Basin 2	BASE	37.75	95.67	97.70	10167	0.00	0.16	1.4	0.7
100YR-024HR	Basin 2	BASE	38.00	95.66	97.70	10155	0.00	0.16	1.4	0.7
100YR-024HR	Basin 2	BASE	38.25	95.64	97.70	10143	0.00	0.15	1.4	0.7
100YR-024HR	Basin 2	BASE	38.50	95.63	97.70	10131	0.00	0.15	1.4	0.7
100YR-024HR	Basin 2	BASE	38.75	95.62	97.70	10120	0.00	0.15	1.4	0.7
100YR-024HR	Basin 2	BASE	39.00	95.60	97.70	10108	0.00	0.15	1.4	0.7
100YR-024HR	Basin 2	BASE	39.25	95.59	97.70	10097	0.00	0.14	1.4	0.7
100YR-024HR	Basin 2	BASE	39.50	95.58	97.70	10086	0.00	0.14	1.4	0.7
100YR-024HR	Basin 2	BASE	39.75	95.56	97.70	10075	0.00	0.14	1.4	0.7
100YR-024HR	Basin 2	BASE	40.00	95.55	97.70	10065	0.00	0.14	1.4	0.7
100YR-024HR	Basin 2	BASE	40.25	95.54	97.70	10054	0.00	0.13	1.4	0.7
100YR-024HR	Basin 2	BASE	40.50	95.53	97.70	10044	0.00	0.13	1.4	0.7
100YR-024HR	Basin 2	BASE	40.75	95.52	97.70	10033	0.00	0.13	1.4	0.7
100YR-024HR	Basin 2	BASE	41.00	95.50	97.70	10023	0.00	0.13	1.4	0.7
100YR-024HR	Basin 2	BASE	41.25	95.49	97.70	10010	0.00	0.13	1.4	0.8
100YR-024HR	Basin 2	BASE	41.50	95.48	97.70	9995	0.00	0.13	1.4	0.8
100YR-024HR	Basin 2	BASE	41.75	95.47	97.70	9980	0.00	0.12	1.4	0.8
100YR-024HR	Basin 2	BASE	42.00	95.46	97.70	9966	0.00	0.12	1.4	0.8
100YR-024HR	Basin 2	BASE	42.25	95.45	97.70	9951	0.00	0.12	1.4	0.8
100YR-024HR	Basin 2	BASE	42.50	95.44	97.70	9937	0.00	0.12	1.4	0.8
100YR-024HR	Basin 2	BASE	42.75	95.43	97.70	9923	0.00	0.12	1.4	0.8
100YR-024HR	Basin 2	BASE	43.00	95.42	97.70	9909	0.00	0.12	1.4	0.8
100YR-024HR	Basin 2	BASE	43.25	95.41	97.70	9895	0.00	0.12	1.4	0.8
100YR-024HR	Basin 2	BASE	43.50	95.39	97.70	9881	0.00	0.12	1.4	0.8
100YR-024HR	Basin 2	BASE	43.75	95.38	97.70	9867	0.00	0.11	1.4	0.8
100YR-024HR	Basin 2	BASE	44.00	95.37	97.70	9854	0.00	0.11	1.4	0.8
100YR-024HR	Basin 2	BASE	44.25	95.36	97.70	9841	0.00	0.11	1.4	0.8
100YR-024HR	Basin 2	BASE	44.50	95.35	97.70	9827	0.00	0.11	1.4	0.8
100YR-024HR	Basin 2	BASE	44.75	95.34	97.70	9814	0.00	0.11	1.4	0.8
100YR-024HR	Basin 2	BASE	45.00	95.33	97.70	9801	0.00	0.11	1.4	0.8
100YR-024HR	Basin 2	BASE	45.25	95.32	97.70	9788	0.00	0.11	1.4	0.8
100YR-024HR	Basin 2	BASE	45.50	95.31	97.70	9775	0.00	0.11	1.4	0.8
100YR-024HR	Basin 2	BASE	45.75	95.30	97.70	9762	0.00	0.11	1.4	0.8
100YR-024HR	Basin 2	BASE	46.00	95.29	97.70	9750	0.00	0.10	1.4	0.8
100YR-024HR	Basin 2	BASE	46.25	95.28	97.70	9737	0.00	0.10	1.4	0.8
100YR-024HR	Basin 2	BASE	46.50	95.28	97.70	9725	0.00	0.10	1.4	0.8
100YR-024HR	Basin 2	BASE	46.75	95.27	97.70	9713	0.00	0.10	1.4	0.8
100YR-024HR	Basin 2	BASE	47.00	95.26	97.70	9700	0.00	0.10	1.4	0.8
100YR-024HR	Basin 2	BASE	47.25	95.25	97.70	9688	0.00	0.10	1.4	0.8
100YR-024HR	Basin 2	BASE	47.50	95.24	97.70	9676	0.00	0.10	1.4	0.8
100YR-024HR	Basin 2	BASE	47.75	95.23	97.70	9664	0.00	0.10	1.4	0.8
100YR-024HR	Basin 2	BASE	48.00	95.22	97.70	9652	0.00	0.10	1.4	0.8
100YR-024HR	Basin 2	BASE	48.25	95.21	97.70	9640	0.00	0.10	1.4	0.8
100YR-024HR	Basin 2	BASE	48.50	95.20	97.70	9628	0.00	0.10	1.4	0.8
100YR-024HR	Basin 2	BASE	48.75	95.19	97.70	9617	0.00	0.10	1.4	0.8
100YR-024HR	Basin 2	BASE	49.00	95.18	97.70	9605	0.00	0.09	1.4	0.8
100YR-024HR	Basin 2	BASE	49.25	95.17	97.70	9594	0.00	0.09	1.4	0.8
100YR-024HR	Basin 2	BASE	49.50	95.17	97.70	9582	0.00	0.09	1.4	0.8
100YR-024HR	Basin 2	BASE	49.75	95.16	97.70	9571	0.00	0.09	1.4	0.8
100YR-024HR	Basin 2	BASE	50.00	95.15	97.70	9560	0.00	0.09	1.4	0.8
100YR-024HR	Basin 2	BASE	50.25	95.14	97.70	9548	0.00	0.09	1.4	0.8
100YR-024HR	Basin 2	BASE	50.50	95.13	97.70	9537	0.00	0.09	1.4	0.8
100YR-024HR	Basin 2	BASE	50.75	95.12	97.70	9526	0.00	0.09	1.4	0.8
100YR-024HR	Basin 2	BASE	51.00	95.11	97.70	9515	0.00	0.09	1.4	0.8
100YR-024HR	Basin 2	BASE	51.25	95.11	97.70	9504	0.00	0.09	1.4	0.8
100YR-024HR	Basin 2	BASE	51.50	95.10	97.70	9493	0.00	0.09	1.4	0.8
100YR-024HR	Basin 2	BASE	51.75	95.09	97.70	9482	0.00	0.09	1.4	0.8
100YR-024HR	Basin 2	BASE	52.00	95.08	97.70	9472	0.00	0.09	1.4	0.8
100YR-024HR	Basin 2	BASE	52.25	95.07	97.70	9461	0.00	0.09	1.4	0.8
100YR-024HR	Basin 2	BASE	52.50	95.06	97.70	9450	0.00	0.09	1.4	0.8
100YR-024HR	Basin 2	BASE	52.75	95.06	97.70	9440	0.00	0.08	1.4	0.8
100YR-024HR	Basin 2	BASE	53.00	95.05	97.70	9429	0.00	0.08	1.4	0.9
100YR-024HR	Basin 2	BASE	53.25	95.04	97.70	9419	0.00	0.08	1.4	0.9
100YR-024HR	Basin 2	BASE	53.50	95.03	97.70	9408	0.00	0.08	1.4	0.9
100YR-024HR	Basin 2	BASE	53.75	95.02	97.70	9398	0.00	0.08	1.4	0.9
100YR-024HR	Basin 2	BASE	54.00	95.02	97.70	9387	0.00	0.08	1.4	0.9
100YR-024HR	Basin 2	BASE	54.25	95.01	97.70	9377	0.00	0.08	1.4	0.9
100YR-024HR	Basin 2	BASE	54.50	95.00	97.70	9367	0.00	0.08	1.4	0.9
100YR-024HR	Basin 2	BASE	54.75	94.99	97.70	9357	0.00	0.08	1.4	0.9
100YR-024HR	Basin 2	BASE	55.00	94.99	97.70	9347	0.00	0.08	1.4	0.9
100YR-024HR	Basin 2	BASE	55.25	94.98	97.70	9337	0.00	0.08	1.4	0.9
100YR-024HR	Basin 2	BASE	55.50	94.97	97.70	HALF VOLUME	0.00	0.08	1.4	0.9
100YR-024HR	Basin 2	BASE	55.75	94.96	97.70	RECOVERED	0.00	0.08	1.4	0.9
100YR-024HR	Basin 2	BASE	56.00	94.96	97.70	9307	0.00	0.08	1.4	0.9
100YR-024HR	Basin 2	BASE	56.25	94.95	97.70	9297	0.00	0.08	1.4	0.9

RECOVERY - BASIN 2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-024HR	Basin 2	BASE	247.75	92.06	97.70	6154	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	248.00	92.06	97.70	6152	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	248.25	92.06	97.70	6150	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	248.50	92.06	97.70	6148	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	248.75	92.05	97.70	6146	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	249.00	92.05	97.70	6144	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	249.25	92.05	97.70	6142	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	249.50	92.05	97.70	6139	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	249.75	92.04	97.70	6137	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	250.00	92.04	97.70	6135	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	250.25	92.04	97.70	6133	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	250.50	92.04	97.70	6131	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	250.75	92.04	97.70	6129	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	251.00	92.03	97.70	6128	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	251.25	92.03	97.70	6126	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	251.50	92.03	97.70	6124	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	251.75	92.03	97.70	6122	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	252.00	92.02	97.70	6120	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	252.25	92.02	97.70	6118	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	252.50	92.02	97.70	6116	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	252.75	92.02	97.70	6114	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	253.00	92.02	97.70	6112	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	253.25	92.01	97.70	6110	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	253.50	92.01	97.70	6108	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	253.75	92.01	97.70	6106	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	254.00	92.01	97.70	6104	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	254.25	92.00	97.70	6102	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	254.50	92.00	97.70	6100	0.00	0.02	1.4	1.4
100YR-024HR	Basin 2	BASE	254.75	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	255.00	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	255.25	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	255.50	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	255.75	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	256.00	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	256.25	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	256.50	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	256.75	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	257.00	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	257.25	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	257.50	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	257.75	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	258.00	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	258.25	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	258.50	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	258.75	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	259.00	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	259.25	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	259.50	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	259.75	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	260.00	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	260.25	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	260.50	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	260.75	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	261.00	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	261.25	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	261.50	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	261.75	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	262.00	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	262.25	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	262.50	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	262.75	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	263.00	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	263.25	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	263.50	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	263.75	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	264.00	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	264.25	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	264.50	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	264.75	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	265.00	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	265.25	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	265.50	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	265.75	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	266.00	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	266.25	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	266.50	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	266.75	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	267.00	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	267.25	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	267.50	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	267.75	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	268.00	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	268.25	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	268.50	92.00	97.70	6098	0.00	0.00	1.4	1.4
100YR-024HR	Basin 2	BASE	268.75	92.00	97.70	6098	0.00	0.00	1.4	1.4

FULL VOLUME RECOVERED

RECOVERY - BASIN 2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-072HR	Basin 2	BASE	140.50	95.14	97.70	9547	0.00	0.04	1.6	1.0
100YR-072HR	Basin 2	BASE	140.75	95.13	97.70	9542	0.00	0.04	1.6	1.0
100YR-072HR	Basin 2	BASE	141.00	95.13	97.70	9536	0.00	0.04	1.6	1.0
100YR-072HR	Basin 2	BASE	141.25	95.13	97.70	9531	0.00	0.04	1.6	1.0
100YR-072HR	Basin 2	BASE	141.50	95.12	97.70	9525	0.00	0.04	1.6	1.0
100YR-072HR	Basin 2	BASE	141.75	95.12	97.70	9520	0.00	0.04	1.6	1.0
100YR-072HR	Basin 2	BASE	142.00	95.11	97.70	9514	0.00	0.04	1.6	1.0
100YR-072HR	Basin 2	BASE	142.25	95.11	97.70	9509	0.00	0.04	1.6	1.0
100YR-072HR	Basin 2	BASE	142.50	95.11	97.70	9504	0.00	0.04	1.6	1.0
100YR-072HR	Basin 2	BASE	142.75	95.10	97.70	9498	0.00	0.04	1.6	1.0
100YR-072HR	Basin 2	BASE	143.00	95.10	97.70	9493	0.00	0.04	1.6	1.0
100YR-072HR	Basin 2	BASE	143.25	95.09	97.70	9487	0.00	0.04	1.6	1.0
100YR-072HR	Basin 2	BASE	143.50	95.09	97.70	9482	0.00	0.04	1.6	1.0
100YR-072HR	Basin 2	BASE	143.75	95.09	97.70	9477	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	144.00	95.08	97.70	9471	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	144.25	95.08	97.70	9466	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	144.50	95.07	97.70	9461	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	144.75	95.07	97.70	9455	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	145.00	95.06	97.70	9450	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	145.25	95.06	97.70	9445	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	145.50	95.06	97.70	9439	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	145.75	95.05	97.70	9434	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	146.00	95.05	97.70	9429	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	146.25	95.04	97.70	9423	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	146.50	95.04	97.70	9418	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	146.75	95.04	97.70	9413	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	147.00	95.03	97.70	9407	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	147.25	95.03	97.70	9402	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	147.50	95.02	97.70	9397	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	147.75	95.02	97.70	9392	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	148.00	95.02	97.70	9386	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	148.25	95.01	97.70	9381	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	148.50	95.01	97.70	9376	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	148.75	95.00	97.70	9371	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	149.00	95.00	97.70	9365	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	149.25	95.00	97.70	9360	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	149.50	94.99	97.70	9355	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	149.75	94.99	97.70	9350	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	150.00	94.98	97.70	9345	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	150.25	94.98	97.70	9339	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	150.50	94.98	97.70	9334	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	150.75	94.97	97.70	9329	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	151.00	94.97	97.70	9324	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	151.25	94.96	97.70	9319	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	151.50	94.96	97.70	9314	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	151.75	94.96	97.70	9308	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	152.00	94.95	97.70	9303	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	152.25	94.95	97.70	9298	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	152.50	94.94	97.70	9293	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	152.75	94.94	97.70	9288	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	153.00	94.94	97.70	9283	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	153.25	94.93	97.70	9278	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	153.50	94.93	97.70	9273	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	153.75	94.93	97.70	9268	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	154.00	94.92	97.70	9262	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	154.25	94.92	97.70	9257	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	154.50	94.91	97.70	9252	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	154.75	94.91	97.70	9247	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	155.00	94.91	97.70	9242	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	155.25	94.90	97.70	9237	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	155.50	94.90	97.70	9232	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	155.75	94.89	97.70	9227	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	156.00	94.89	97.70	9222	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	156.25	94.89	97.70	9217	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	156.50	94.88	97.70	9212	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	156.75	94.88	97.70	9207	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	157.00	94.87	97.70	9202	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	157.25	94.87	97.70	9197	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	157.50	94.87	97.70	9192	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	157.75	94.86	97.70	9187	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	158.00	94.86	97.70	9182	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	158.25	94.86	97.70	9177	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	158.50	94.85	97.70	9172	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	158.75	94.85	97.70	9167	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	159.00	94.84	97.70	9162	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	159.25	94.84	97.70	9157	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	159.50	94.84	97.70	9152	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	159.75	94.83	97.70	9147	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	160.00	94.83	97.70	9142	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	160.25	94.83	97.70	9137	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	160.50	94.82	97.70	9133	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	160.75	94.82	97.70	9128	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	161.00	94.81	97.70	9123	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	161.25	94.81	97.70	9118	0.00	0.04	1.6	1.1
100YR-072HR	Basin 2	BASE	161.50	94.81	97.70	9113	0.00	0.04	1.6	1.1

HALF VOLUME RECOVERED

RECOVERY - BASIN 2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-072HR	Basin 2	BASE	438.00	92.13	97.70	6212	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	438.25	92.13	97.70	6210	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	438.50	92.13	97.70	6209	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	438.75	92.13	97.70	6208	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	439.00	92.12	97.70	6206	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	439.25	92.12	97.70	6205	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	439.50	92.12	97.70	6203	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	439.75	92.12	97.70	6202	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	440.00	92.12	97.70	6201	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	440.25	92.12	97.70	6199	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	440.50	92.11	97.70	6198	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	440.75	92.11	97.70	6197	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	441.00	92.11	97.70	6195	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	441.25	92.11	97.70	6194	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	441.50	92.11	97.70	6192	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	441.75	92.11	97.70	6191	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	442.00	92.10	97.70	6190	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	442.25	92.10	97.70	6188	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	442.50	92.10	97.70	6187	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	442.75	92.10	97.70	6185	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	443.00	92.10	97.70	6184	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	443.25	92.10	97.70	6183	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	443.50	92.10	97.70	6181	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	443.75	92.09	97.70	6180	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	444.00	92.09	97.70	6179	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	444.25	92.09	97.70	6177	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	444.50	92.09	97.70	6176	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	444.75	92.09	97.70	6174	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	445.00	92.09	97.70	6173	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	445.25	92.08	97.70	6172	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	445.50	92.08	97.70	6170	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	445.75	92.08	97.70	6169	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	446.00	92.08	97.70	6168	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	446.25	92.08	97.70	6166	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	446.50	92.08	97.70	6165	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	446.75	92.07	97.70	6164	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	447.00	92.07	97.70	6162	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	447.25	92.07	97.70	6161	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	447.50	92.07	97.70	6159	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	447.75	92.07	97.70	6158	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	448.00	92.07	97.70	6157	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	448.25	92.07	97.70	6155	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	448.50	92.06	97.70	6154	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	448.75	92.06	97.70	6153	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	449.00	92.06	97.70	6151	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	449.25	92.06	97.70	6150	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	449.50	92.06	97.70	6149	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	449.75	92.06	97.70	6147	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	450.00	92.05	97.70	6146	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	450.25	92.05	97.70	6145	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	450.50	92.05	97.70	6143	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	450.75	92.05	97.70	6142	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	451.00	92.05	97.70	6141	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	451.25	92.05	97.70	6139	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	451.50	92.05	97.70	6138	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	451.75	92.04	97.70	6136	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	452.00	92.04	97.70	6135	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	452.25	92.04	97.70	6134	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	452.50	92.04	97.70	6132	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	452.75	92.04	97.70	6131	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	453.00	92.04	97.70	6130	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	453.25	92.03	97.70	6128	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	453.50	92.03	97.70	6127	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	453.75	92.03	97.70	6126	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	454.00	92.03	97.70	6124	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	454.25	92.03	97.70	6123	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	454.50	92.03	97.70	6122	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	454.75	92.03	97.70	6120	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	455.00	92.02	97.70	6119	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	455.25	92.02	97.70	6118	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	455.50	92.02	97.70	6116	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	455.75	92.02	97.70	6115	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	456.00	92.02	97.70	6114	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	456.25	92.02	97.70	6112	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	456.50	92.01	97.70	6111	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	456.75	92.01	97.70	6110	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	457.00	92.01	97.70	6108	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	457.25	92.01	97.70	6107	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	457.50	92.01	97.70	6106	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	457.75	92.01	97.70	6104	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	458.00	92.01	97.70	6103	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	458.25	92.00	97.70	6102	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	458.50	92.00	97.70	6100	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	458.75	92.00	97.70	6099	0.00	0.01	1.6	1.6
100YR-072HR	Basin 2	BASE	459.00	92.00	97.70	6098	0.00	0.00	1.6	1.6

FULL VOLUME RECOVERED

RECOVERY - BASIN 2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-168HR	Basin 2	BASE	240.26	94.46	97.70	8663	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	240.51	94.46	97.70	8658	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	240.76	94.45	97.70	8653	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	241.01	94.45	97.70	8647	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	241.26	94.45	97.70	8642	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	241.51	94.44	97.70	8637	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	241.76	94.44	97.70	8632	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	242.01	94.44	97.70	8627	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	242.26	94.43	97.70	8622	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	242.51	94.43	97.70	8617	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	242.76	94.42	97.70	8612	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	243.01	94.42	97.70	8607	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	243.26	94.42	97.70	8602	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	243.51	94.41	97.70	8597	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	243.76	94.41	97.70	8592	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	244.01	94.40	97.70	8587	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	244.26	94.40	97.70	8582	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	244.51	94.40	97.70	8576	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	244.76	94.39	97.70	8571	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	245.01	94.39	97.70	[illegible]	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	245.26	94.38	97.70	[illegible]	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	245.51	94.38	97.70	[illegible]	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	245.76	94.38	97.70	8551	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	246.01	94.37	97.70	8546	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	246.26	94.37	97.70	8541	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	246.51	94.37	97.70	8537	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	246.76	94.36	97.70	8532	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	247.01	94.36	97.70	8527	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	247.26	94.35	97.70	8522	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	247.51	94.35	97.70	8517	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	247.76	94.35	97.70	8512	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	248.01	94.34	97.70	8507	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	248.26	94.34	97.70	8502	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	248.51	94.34	97.70	8497	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	248.76	94.33	97.70	8492	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	249.01	94.33	97.70	8487	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	249.26	94.32	97.70	8482	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	249.51	94.32	97.70	8477	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	249.76	94.32	97.70	8472	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	250.01	94.31	97.70	8468	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	250.26	94.31	97.70	8463	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	250.51	94.31	97.70	8458	0.00	0.04	1.3	0.9
100YR-168HR	Basin 2	BASE	250.76	94.30	97.70	8453	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	251.01	94.30	97.70	8448	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	251.26	94.29	97.70	8443	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	251.51	94.29	97.70	8438	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	251.76	94.29	97.70	8433	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	252.01	94.28	97.70	8429	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	252.26	94.28	97.70	8424	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	252.51	94.28	97.70	8419	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	252.76	94.27	97.70	8414	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	253.01	94.27	97.70	8409	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	253.26	94.26	97.70	8404	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	253.51	94.26	97.70	8400	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	253.76	94.26	97.70	8395	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	254.01	94.25	97.70	8390	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	254.26	94.25	97.70	8385	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	254.51	94.25	97.70	8380	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	254.76	94.24	97.70	8376	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	255.01	94.24	97.70	8371	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	255.26	94.24	97.70	8366	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	255.51	94.23	97.70	8361	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	255.76	94.23	97.70	8357	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	256.01	94.22	97.70	8352	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	256.26	94.22	97.70	8347	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	256.51	94.22	97.70	8342	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	256.76	94.21	97.70	8338	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	257.01	94.21	97.70	8333	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	257.26	94.21	97.70	8328	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	257.51	94.20	97.70	8324	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	257.76	94.20	97.70	8319	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	258.01	94.20	97.70	8314	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	258.26	94.19	97.70	8309	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	258.51	94.19	97.70	8305	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	258.76	94.18	97.70	8300	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	259.01	94.18	97.70	8295	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	259.26	94.18	97.70	8291	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	259.51	94.17	97.70	8286	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	259.76	94.17	97.70	8281	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	260.01	94.17	97.70	8277	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	260.26	94.16	97.70	8272	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	260.51	94.16	97.70	8267	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	260.76	94.16	97.70	8263	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	261.01	94.15	97.70	8258	0.00	0.03	1.3	0.9
100YR-168HR	Basin 2	BASE	261.26	94.15	97.70	8253	0.00	0.03	1.3	0.9

HALF VOLUME RECOVERED

RECOVERY - BASIN 2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-168HR	Basin 2	BASE	474.01	92.03	97.70	6127	0.00	0.01	1.3	1.3
100YR-168HR	Basin 2	BASE	474.26	92.03	97.70	6125	0.00	0.01	1.3	1.3
100YR-168HR	Basin 2	BASE	474.51	92.03	97.70	6124	0.00	0.01	1.3	1.3
100YR-168HR	Basin 2	BASE	474.76	92.03	97.70	6122	0.00	0.01	1.3	1.3
100YR-168HR	Basin 2	BASE	475.01	92.03	97.70	6121	0.00	0.01	1.3	1.3
100YR-168HR	Basin 2	BASE	475.26	92.02	97.70	6119	0.00	0.01	1.3	1.3
100YR-168HR	Basin 2	BASE	475.51	92.02	97.70	6118	0.00	0.01	1.3	1.3
100YR-168HR	Basin 2	BASE	475.76	92.02	97.70	6116	0.00	0.01	1.3	1.3
100YR-168HR	Basin 2	BASE	476.01	92.02	97.70	6115	0.00	0.01	1.3	1.3
100YR-168HR	Basin 2	BASE	476.26	92.02	97.70	6113	0.00	0.01	1.3	1.3
100YR-168HR	Basin 2	BASE	476.51	92.02	97.70	6112	0.00	0.01	1.3	1.3
100YR-168HR	Basin 2	BASE	476.76	92.01	97.70	6110	0.00	0.01	1.3	1.3
100YR-168HR	Basin 2	BASE	477.01	92.01	97.70	6109	0.00	0.01	1.3	1.3
100YR-168HR	Basin 2	BASE	477.26	92.01	97.70	6107	0.00	0.01	1.3	1.3
100YR-168HR	Basin 2	BASE	477.51	92.01	97.70	6105	0.00	0.01	1.3	1.3
100YR-168HR	Basin 2	BASE	477.76	92.01	97.70	6104	0.00	0.01	1.3	1.3
100YR-168HR	Basin 2	BASE	478.01	92.00	97.70	6102	0.00	0.01	1.3	1.3
100YR-168HR	Basin 2	BASE	478.26	92.00	97.70	6101	0.00	0.01	1.3	1.3
100YR-168HR	Basin 2	BASE	478.51	92.00	97.70	6099	0.00	0.01	1.3	1.3
100YR-168HR	Basin 2	BASE	478.76	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	479.01	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	479.26	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	479.51	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	479.76	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	480.01	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	480.26	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	480.51	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	480.76	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	481.01	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	481.26	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	481.51	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	481.76	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	482.01	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	482.26	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	482.51	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	482.76	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	483.01	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	483.26	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	483.51	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	483.76	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	484.01	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	484.26	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	484.51	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	484.76	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	485.01	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	485.26	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	485.51	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	485.76	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	486.01	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	486.26	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	486.51	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	486.76	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	487.01	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	487.26	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	487.51	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	487.76	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	488.01	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	488.26	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	488.51	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	488.76	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	489.01	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	489.26	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	489.51	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	489.76	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	490.01	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	490.26	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	490.51	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	490.76	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	491.01	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	491.26	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	491.51	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	491.76	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	492.01	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	492.26	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	492.51	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	492.76	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	493.01	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	493.26	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	493.51	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	493.76	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	494.01	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	494.26	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	494.51	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	494.76	92.00	97.70	6098	0.00	0.00	1.3	1.3
100YR-168HR	Basin 2	BASE	495.01	92.00	97.70	6098	0.00	0.00	1.3	1.3

FULL VOLUME RECOVERED

RECOVERY - BASIN 2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-240HR	Basin 2	BASE	286.50	95.09	97.70	9478	0.00	0.04	1.6	1.0
100YR-240HR	Basin 2	BASE	286.75	95.08	97.70	9474	0.00	0.04	1.6	1.0
100YR-240HR	Basin 2	BASE	287.00	95.08	97.70	9469	0.00	0.04	1.6	1.0
100YR-240HR	Basin 2	BASE	287.25	95.08	97.70	9464	0.00	0.04	1.6	1.0
100YR-240HR	Basin 2	BASE	287.50	95.07	97.70	9459	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	287.75	95.07	97.70	9454	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	288.00	95.06	97.70	9449	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	288.25	95.06	97.70	9444	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	288.50	95.06	97.70	9439	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	288.75	95.05	97.70	9435	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	289.00	95.05	97.70	9430	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	289.25	95.05	97.70	9425	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	289.50	95.04	97.70	9420	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	289.75	95.04	97.70	9415	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	290.00	95.03	97.70	9411	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	290.25	95.03	97.70	9406	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	290.50	95.03	97.70	9401	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	290.75	95.02	97.70	9396	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	291.00	95.02	97.70	9392	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	291.25	95.02	97.70	9387	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	291.50	95.01	97.70	9382	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	291.75	95.01	97.70	9377	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	292.00	95.01	97.70	9372	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	292.25	95.00	97.70	9368	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	292.50	95.00	97.70	9363	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	292.75	94.99	97.70	9358	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	293.00	94.99	97.70	9353	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	293.25	94.99	97.70	9349	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	293.50	94.98	97.70	9344	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	293.75	94.98	97.70	9339	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	294.00	94.98	97.70	9335	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	294.25	94.97	97.70	9330	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	294.50	94.97	97.70	9325	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	294.75	94.97	97.70	9321	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	295.00	94.96	97.70	9316	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	295.25	94.96	97.70	9311	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	295.50	94.95	97.70	9306	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	295.75	94.95	97.70	9302	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	296.00	94.95	97.70	9297	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	296.25	94.94	97.70	9292	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	296.50	94.94	97.70	9288	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	296.75	94.94	97.70	9283	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	297.00	94.93	97.70	9278	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	297.25	94.93	97.70	9274	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	297.50	94.93	97.70	9269	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	297.75	94.92	97.70	9265	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	298.00	94.92	97.70	9260	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	298.25	94.92	97.70	9255	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	298.50	94.91	97.70	9251	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	298.75	94.91	97.70	9246	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	299.00	94.91	97.70	9241	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	299.25	94.90	97.70	9237	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	299.50	94.90	97.70	9232	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	299.75	94.89	97.70	9228	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	300.00	94.89	97.70	9223	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	300.25	94.89	97.70	9218	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	300.50	94.88	97.70	9214	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	300.75	94.88	97.70	9209	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	301.00	94.88	97.70	9205	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	301.25	94.87	97.70	9200	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	301.50	94.87	97.70	9196	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	301.75	94.87	97.70	9191	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	302.00	94.86	97.70	9187	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	302.25	94.86	97.70	9182	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	302.50	94.86	97.70	9177	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	302.75	94.85	97.70	9173	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	303.00	94.85	97.70	9168	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	303.25	94.85	97.70	9164	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	303.50	94.84	97.70	9159	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	303.75	94.84	97.70	9155	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	304.00	94.84	97.70	9150	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	304.25	94.83	97.70	9146	0.00	0.04	1.6	1.1
100YR-240HR	Basin 2	BASE	304.50	94.83	97.70	9141	0.00	0.03	1.6	1.1
100YR-240HR	Basin 2	BASE	304.75	94.83	97.70	9137	0.00	0.03	1.6	1.1
100YR-240HR	Basin 2	BASE	305.00	94.82	97.70	9132	0.00	0.03	1.6	1.1
100YR-240HR	Basin 2	BASE	305.25	94.82	97.70	9128	0.00	0.03	1.6	1.1
100YR-240HR	Basin 2	BASE	305.50	94.81	97.70	9123	0.00	0.03	1.6	1.1
100YR-240HR	Basin 2	BASE	305.75	94.81	97.70	9119	0.00	0.03	1.6	1.1
100YR-240HR	Basin 2	BASE	306.00	94.81	97.70	9114	0.00	0.03	1.6	1.1
100YR-240HR	Basin 2	BASE	306.25	94.80	97.70	9110	0.00	0.03	1.6	1.1
100YR-240HR	Basin 2	BASE	306.50	94.80	97.70	9105	0.00	0.03	1.6	1.1
100YR-240HR	Basin 2	BASE	306.75	94.80	97.70	9101	0.00	0.03	1.6	1.1
100YR-240HR	Basin 2	BASE	307.00	94.79	97.70	9096	0.00	0.03	1.6	1.1
100YR-240HR	Basin 2	BASE	307.25	94.79	97.70	9092	0.00	0.03	1.6	1.1
100YR-240HR	Basin 2	BASE	307.50	94.79	97.70	9088	0.00	0.03	1.6	1.1

RECOVERY - BASIN 2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-240HR	Basin 2	BASE	626.50	92.01	97.70	6108	0.00	0.01	1.6	1.6
100YR-240HR	Basin 2	BASE	626.75	92.01	97.70	6107	0.00	0.01	1.6	1.6
100YR-240HR	Basin 2	BASE	627.00	92.01	97.70	6106	0.00	0.01	1.6	1.6
100YR-240HR	Basin 2	BASE	627.25	92.01	97.70	6104	0.00	0.01	1.6	1.6
100YR-240HR	Basin 2	BASE	627.50	92.01	97.70	6103	0.00	0.01	1.6	1.6
100YR-240HR	Basin 2	BASE	627.75	92.00	97.70	6102	0.00	0.01	1.6	1.6
100YR-240HR	Basin 2	BASE	628.00	92.00	97.70	6101	0.00	0.01	1.6	1.6
100YR-240HR	Basin 2	BASE	628.25	92.00	97.70	6099	0.00	0.01	1.6	1.6
100YR-240HR	Basin 2	BASE	628.50	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	628.75	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	629.00	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	629.25	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	629.50	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	629.75	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	630.00	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	630.25	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	630.50	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	630.75	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	631.00	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	631.25	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	631.50	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	631.75	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	632.00	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	632.25	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	632.50	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	632.75	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	633.00	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	633.25	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	633.50	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	633.75	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	634.00	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	634.25	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	634.50	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	634.75	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	635.00	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	635.25	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	635.50	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	635.75	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	636.00	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	636.25	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	636.50	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	636.75	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	637.00	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	637.25	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	637.50	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	637.75	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	638.00	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	638.25	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	638.50	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	638.75	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	639.00	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	639.25	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	639.50	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	639.75	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	640.00	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	640.25	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	640.50	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	640.75	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	641.00	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	641.25	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	641.50	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	641.75	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	642.00	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	642.25	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	642.50	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	642.75	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	643.00	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	643.25	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	643.50	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	643.75	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	644.00	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	644.25	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	644.50	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	644.75	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	645.00	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	645.25	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	645.50	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	645.75	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	646.00	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	646.25	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	646.50	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	646.75	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	647.00	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	647.25	92.00	97.70	6098	0.00	0.00	1.6	1.6
100YR-240HR	Basin 2	BASE	647.50	92.00	97.70	6098	0.00	0.00	1.6	1.6

FULL VOLUME RECOVERED

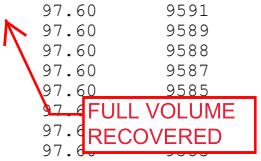
RECOVERY - BASIN 2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-001HR	Basin 3	BASE	0.00	92.00	97.60	3049	0.00	0.00	0.0	0.0
100YR-001HR	Basin 3	BASE	0.26	92.00	97.60	3050	0.06	0.00	0.0	0.0
100YR-001HR	Basin 3	BASE	0.50	92.92	97.60	3858	11.06	0.00	0.1	0.0
100YR-001HR	Basin 3	BASE	0.75	94.59	97.60	11880	24.59	0.98	0.5	0.0
100YR-001HR	Basin 3	BASE	1.00	95.60	97.60	13199	6.92	2.41	0.8	0.0
100YR-001HR	Basin 3	BASE	1.25	95.68	97.60	13300	1.68	2.40	0.9	0.1
100YR-001HR	Basin 3	BASE	1.50	95.60	97.60	13193	0.61	2.14	0.9	0.1
100YR-001HR	Basin 3	BASE	1.75	95.48	97.60	13046	0.18	1.91	0.9	0.2
100YR-001HR	Basin 3	BASE	2.01	95.36	97.60	12885	0.01	1.71	0.9	0.2
100YR-001HR	Basin 3	BASE	2.26	95.25	97.60	12738	0.00	1.52	0.9	0.3
100YR-001HR	Basin 3	BASE	2.50	95.15	97.60	12606	0.00	1.33	0.9	0.3
100YR-001HR	Basin 3	BASE	2.75	95.06	97.60	12490	0.00	1.15	0.9	0.3
100YR-001HR	Basin 3	BASE	3.00	94.98	97.60	12393	0.00	0.90	0.9	0.3
100YR-001HR	Basin 3	BASE	3.25	94.93	97.60	12318	0.00	0.70	0.9	0.3
100YR-001HR	Basin 3	BASE	3.51	94.88	97.60	12257	0.00	0.56	0.9	0.4
100YR-001HR	Basin 3	BASE	3.75	94.84	97.60	12209	0.00	0.46	0.9	0.4
100YR-001HR	Basin 3	BASE	4.00	94.81	97.60	12168	0.00	0.39	0.9	0.4
100YR-001HR	Basin 3	BASE	4.25	94.78	97.60	12133	0.00	0.34	0.9	0.4
100YR-001HR	Basin 3	BASE	4.50	94.76	97.60	12101	0.00	0.31	0.9	0.4
100YR-001HR	Basin 3	BASE	4.76	94.74	97.60	12071	0.00	0.30	0.9	0.4
100YR-001HR	Basin 3	BASE	5.00	94.72	97.60	12042	0.00	0.29	0.9	0.4
100YR-001HR	Basin 3	BASE	5.25	94.69	97.60	12014	0.00	0.29	0.9	0.4
100YR-001HR	Basin 3	BASE	5.50	94.67	97.60	11986	0.00	0.29	0.9	0.4
100YR-001HR	Basin 3	BASE	5.75	94.65	97.60	11958	0.00	0.28	0.9	0.4
100YR-001HR	Basin 3	BASE	6.01	94.63	97.60	11930	0.00	0.25	0.9	0.4
100YR-001HR	Basin 3	BASE	6.25	94.61	97.60	11905	0.00	0.25	0.9	0.4
100YR-001HR	Basin 3	BASE	6.50	94.59	97.60	11880	0.00	0.25	0.9	0.4
100YR-001HR	Basin 3	BASE	6.75	94.57	97.60	11856	0.00	0.25	0.9	0.4
100YR-001HR	Basin 3	BASE	7.00	94.55	97.60	11831	0.00	0.25	0.9	0.5
100YR-001HR	Basin 3	BASE	7.26	94.53	97.60	11806	0.00	0.25	0.9	0.5
100YR-001HR	Basin 3	BASE	7.51	94.52	97.60	11782	0.00	0.23	0.9	0.5
100YR-001HR	Basin 3	BASE	7.75	94.50	97.60	11761	0.00	0.19	0.9	0.5
100YR-001HR	Basin 3	BASE	8.00	94.49	97.60	11743	0.00	0.17	0.9	0.5
100YR-001HR	Basin 3	BASE	8.26	94.47	97.60	11727	0.00	0.15	0.9	0.5
100YR-001HR	Basin 3	BASE	8.51	94.46	97.60	11712	0.00	0.14	0.9	0.5
100YR-001HR	Basin 3	BASE	8.76	94.45	97.60	11699	0.00	0.13	0.9	0.5
100YR-001HR	Basin 3	BASE	9.01	94.44	97.60	11686	0.00	0.12	0.9	0.5
100YR-001HR	Basin 3	BASE	9.26	94.43	97.60	11675	0.00	0.11	0.9	0.5
100YR-001HR	Basin 3	BASE	9.51	94.43	97.60	11663	0.00	0.11	0.9	0.5
100YR-001HR	Basin 3	BASE	9.76	94.42	97.60	11653	0.00	0.10	0.9	0.5
100YR-001HR	Basin 3	BASE	10.01	94.41	97.60	11642	0.00	0.10	0.9	0.5
100YR-001HR	Basin 3	BASE	10.26	94.40	97.60	11633	0.00	0.10	0.9	0.5
100YR-001HR	Basin 3	BASE	10.51	94.39	97.60	11623	0.00	0.09	0.9	0.5
100YR-001HR	Basin 3	BASE	10.76	94.39	97.60	11614	0.00	0.09	0.9	0.5
100YR-001HR	Basin 3	BASE	11.01	94.38	97.60	11605	0.00	0.09	0.9	0.5
100YR-001HR	Basin 3	BASE	11.26	94.37	97.60	11596	0.00	0.08	0.9	0.5
100YR-001HR	Basin 3	BASE	11.51	94.37	97.60	11588	0.00	0.08	0.9	0.5
100YR-001HR	Basin 3	BASE	11.76	94.36	97.60	11580	0.00	0.08	0.9	0.5
100YR-001HR	Basin 3	BASE	12.01	94.36	97.60	11572	0.00	0.08	0.9	0.5
100YR-001HR	Basin 3	BASE	12.26	94.35	97.60	11564	0.00	0.08	0.9	0.5
100YR-001HR	Basin 3	BASE	12.51	94.34	97.60	11557	0.00	0.07	0.9	0.5
100YR-001HR	Basin 3	BASE	12.76	94.34	97.60	11549	0.00	0.07	0.9	0.5
100YR-001HR	Basin 3	BASE	13.01	94.33	97.60	11542	0.00	0.07	0.9	0.5
100YR-001HR	Basin 3	BASE	13.26	94.33	97.60	11535	0.00	0.07	0.9	0.5
100YR-001HR	Basin 3	BASE	13.51	94.32	97.60	11528	0.00	0.07	0.9	0.5
100YR-001HR	Basin 3	BASE	13.76	94.32	97.60	11521	0.00	0.07	0.9	0.5
100YR-001HR	Basin 3	BASE	14.01	94.31	97.60	11515	0.00	0.06	0.9	0.5
100YR-001HR	Basin 3	BASE	14.26	94.31	97.60	11508	0.00	0.06	0.9	0.5
100YR-001HR	Basin 3	BASE	14.51	94.30	97.60	11502	0.00	0.06	0.9	0.5
100YR-001HR	Basin 3	BASE	14.76	94.30	97.60	11495	0.00	0.06	0.9	0.5
100YR-001HR	Basin 3	BASE	15.01	94.29	97.60	11489	0.00	0.06	0.9	0.5
100YR-001HR	Basin 3	BASE	15.26	94.29	97.60	11483	0.00	0.06	0.9	0.5
100YR-001HR	Basin 3	BASE	15.51	94.28	97.60	11477	0.00	0.06	0.9	0.5
100YR-001HR	Basin 3	BASE	15.76	94.28	97.	[illegible]	0.00	0.06	0.9	0.5
100YR-001HR	Basin 3	BASE	16.01	94.27	97.	[illegible]	0.00	0.06	0.9	0.5
100YR-001HR	Basin 3	BASE	16.26	94.27	97.	[illegible]	0.00	0.06	0.9	0.5
100YR-001HR	Basin 3	BASE	16.51	94.26	97.60	11453	0.00	0.06	0.9	0.5
100YR-001HR	Basin 3	BASE	16.76	94.26	97.60	11448	0.00	0.05	0.9	0.5
100YR-001HR	Basin 3	BASE	17.01	94.26	97.60	11442	0.00	0.05	0.9	0.5
100YR-001HR	Basin 3	BASE	17.26	94.25	97.60	11437	0.00	0.05	0.9	0.5
100YR-001HR	Basin 3	BASE	17.51	94.25	97.60	11431	0.00	0.05	0.9	0.5
100YR-001HR	Basin 3	BASE	17.76	94.24	97.60	11426	0.00	0.05	0.9	0.5
100YR-001HR	Basin 3	BASE	18.01	94.24	97.60	11421	0.00	0.05	0.9	0.5
100YR-001HR	Basin 3	BASE	18.26	94.24	97.60	11415	0.00	0.05	0.9	0.5
100YR-001HR	Basin 3	BASE	18.51	94.23	97.60	11410	0.00	0.05	0.9	0.5
100YR-001HR	Basin 3	BASE	18.76	94.23	97.60	11405	0.00	0.05	0.9	0.5
100YR-001HR	Basin 3	BASE	19.01	94.22	97.60	11400	0.00	0.05	0.9	0.5
100YR-001HR	Basin 3	BASE	19.26	94.22	97.60	11395	0.00	0.05	0.9	0.5
100YR-001HR	Basin 3	BASE	19.51	94.22	97.60	11390	0.00	0.05	0.9	0.5
100YR-001HR	Basin 3	BASE	19.76	94.21	97.60	11385	0.00	0.05	0.9	0.5
100YR-001HR	Basin 3	BASE	20.01	94.21	97.60	11380	0.00	0.05	0.9	0.5
100YR-001HR	Basin 3	BASE	20.26	94.20	97.60	11375	0.00	0.05	0.9	0.5
100YR-001HR	Basin 3	BASE	20.51	94.20	97.60	11371	0.00	0.05	0.9	0.5
100YR-001HR	Basin 3	BASE	20.76	94.20	97.60	11366	0.00	0.05	0.9	0.5
100YR-001HR	Basin 3	BASE	21.01	94.19	97.60	11361	0.00	0.05	0.9	0.5

HALF VOLUME RECOVERED

RECOVERY - BASIN 3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-001HR	Basin 3	BASE	233.76	93.04	97.60	9657	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	234.01	93.04	97.60	9656	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	234.26	93.04	97.60	9654	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	234.51	93.04	97.60	9653	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	234.76	93.04	97.60	9651	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	235.01	93.04	97.60	9650	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	235.26	93.04	97.60	9649	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	235.51	93.04	97.60	9647	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	235.76	93.04	97.60	9646	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	236.01	93.04	97.60	9644	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	236.26	93.03	97.60	9643	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	236.51	93.03	97.60	9642	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	236.76	93.03	97.60	9640	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	237.01	93.03	97.60	9639	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	237.26	93.03	97.60	9637	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	237.51	93.03	97.60	9636	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	237.76	93.03	97.60	9635	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	238.01	93.03	97.60	9633	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	238.26	93.03	97.60	9632	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	238.51	93.03	97.60	9631	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	238.76	93.03	97.60	9629	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	239.01	93.03	97.60	9628	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	239.26	93.02	97.60	9626	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	239.51	93.02	97.60	9625	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	239.76	93.02	97.60	9624	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	240.01	93.02	97.60	9622	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	240.26	93.02	97.60	9621	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	240.51	93.02	97.60	9620	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	240.76	93.02	97.60	9618	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	241.01	93.02	97.60	9617	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	241.26	93.02	97.60	9615	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	241.51	93.02	97.60	9614	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	241.76	93.02	97.60	9613	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	242.01	93.02	97.60	9611	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	242.26	93.02	97.60	9610	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	242.51	93.01	97.60	9609	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	242.76	93.01	97.60	9607	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	243.01	93.01	97.60	9606	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	243.26	93.01	97.60	9604	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	243.51	93.01	97.60	9603	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	243.76	93.01	97.60	9602	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	244.01	93.01	97.60	9600	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	244.26	93.01	97.60	9599	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	244.51	93.01	97.60	9598	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	244.76	93.01	97.60	9596	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	245.01	93.01	97.60	9595	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	245.26	93.01	97.60	9594	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	245.51	93.01	97.60	9592	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	245.76	93.00	97.60	9591	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	246.01	93.00	97.60	9589	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	246.26	93.00	97.60	9588	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	246.51	93.00	97.60	9587	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	246.76	93.00	97.60	9585	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	247.01	93.00	97.60	9583	0.00	0.01	0.9	0.8
100YR-001HR	Basin 3	BASE	247.26	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	247.51	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	247.76	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	248.01	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	248.26	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	248.51	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	248.76	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	249.01	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	249.26	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	249.51	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	249.76	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	250.01	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	250.26	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	250.51	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	250.76	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	251.01	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	251.26	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	251.51	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	251.76	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	252.01	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	252.26	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	252.51	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	252.76	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	253.01	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	253.26	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	253.51	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	253.76	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	254.01	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	254.26	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	254.51	93.00	97.60	9583	0.00	0.00	0.9	0.8
100YR-001HR	Basin 3	BASE	254.76	93.00	97.60	9583	0.00	0.00	0.9	0.8



RECOVERY - BASIN 3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-002HR	Basin 3	BASE	1.00	95.09	97.60	12531	16.54	1.71	0.6	0.0
100YR-002HR	Basin 3	BASE	1.25	95.80	97.60	13455	9.55	2.75	0.9	0.1
100YR-002HR	Basin 3	BASE	1.50	96.14	97.60	13907	7.54	3.48	1.1	0.1
100YR-002HR	Basin 3	BASE	1.75	96.34	97.60	14165	5.96	3.90	1.2	0.2
100YR-002HR	Basin 3	BASE	2.00	96.42	97.60	14267	4.39	4.05	1.3	0.3
100YR-002HR	Basin 3	BASE	2.26	96.36	97.60	14186	1.67	3.84	1.4	0.4
100YR-002HR	Basin 3	BASE	2.50	96.19	97.60	13972	0.59	3.40	1.4	0.5
100YR-002HR	Basin 3	BASE	2.75	96.01	97.60	13734	0.18	2.94	1.4	0.5
100YR-002HR	Basin 3	BASE	3.00	95.84	97.60	13508	0.01	2.49	1.4	0.6
100YR-002HR	Basin 3	BASE	3.25	95.68	97.60	13307	0.00	2.13	1.4	0.6
100YR-002HR	Basin 3	BASE	3.51	95.54	97.60	13126	0.00	1.86	1.4	0.7
100YR-002HR	Basin 3	BASE	3.75	95.42	97.60	12968	0.00	1.69	1.4	0.7
100YR-002HR	Basin 3	BASE	4.00	95.31	97.60	12821	0.00	1.53	1.4	0.7
100YR-002HR	Basin 3	BASE	4.25	95.21	97.60	12688	0.00	1.37	1.4	0.8
100YR-002HR	Basin 3	BASE	4.50	95.12	97.60	12569	0.00	1.21	1.4	0.8
100YR-002HR	Basin 3	BASE	4.76	95.04	97.60	12461	0.00	1.02	1.4	0.8
100YR-002HR	Basin 3	BASE	5.00	94.97	97.60	12376	0.00	0.80	1.4	0.8
100YR-002HR	Basin 3	BASE	5.25	94.92	97.60	12308	0.00	0.63	1.4	0.9
100YR-002HR	Basin 3	BASE	5.50	94.88	97.60	12254	0.00	0.51	1.4	0.9
100YR-002HR	Basin 3	BASE	5.75	94.84	97.60	12212	0.00	0.40	1.4	0.9
100YR-002HR	Basin 3	BASE	6.01	94.82	97.60	12175	0.00	0.34	1.4	0.9
100YR-002HR	Basin 3	BASE	6.25	94.79	97.60	12144	0.00	0.30	1.4	0.9
100YR-002HR	Basin 3	BASE	6.50	94.77	97.60	12117	0.00	0.27	1.4	0.9
100YR-002HR	Basin 3	BASE	6.75	94.75	97.60	12091	0.00	0.26	1.4	0.9
100YR-002HR	Basin 3	BASE	7.00	94.73	97.60	12067	0.00	0.26	1.4	0.9
100YR-002HR	Basin 3	BASE	7.26	94.72	97.60	12043	0.00	0.21	1.4	0.9
100YR-002HR	Basin 3	BASE	7.51	94.70	97.60	12024	0.00	0.18	1.4	0.9
100YR-002HR	Basin 3	BASE	7.75	94.69	97.60	12007	0.00	0.16	1.4	0.9
100YR-002HR	Basin 3	BASE	8.00	94.68	97.60	11991	0.00	0.15	1.4	0.9
100YR-002HR	Basin 3	BASE	8.25	94.67	97.60	11977	0.00	0.14	1.4	0.9
100YR-002HR	Basin 3	BASE	8.50	94.66	97.60	11963	0.00	0.13	1.4	0.9
100YR-002HR	Basin 3	BASE	8.76	94.65	97.60	11950	0.00	0.12	1.4	0.9
100YR-002HR	Basin 3	BASE	9.00	94.64	97.60	11940	0.00	0.12	1.4	0.9
100YR-002HR	Basin 3	BASE	9.25	94.63	97.60	11929	0.00	0.11	1.4	0.9
100YR-002HR	Basin 3	BASE	9.50	94.62	97.60	11918	0.00	0.11	1.4	0.9
100YR-002HR	Basin 3	BASE	9.75	94.61	97.60	11908	0.00	0.10	1.4	0.9
100YR-002HR	Basin 3	BASE	10.01	94.60	97.60	11898	0.00	0.10	1.4	0.9
100YR-002HR	Basin 3	BASE	10.25	94.60	97.60	11888	0.00	0.09	1.4	0.9
100YR-002HR	Basin 3	BASE	10.50	94.59	97.60	11879	0.00	0.09	1.4	0.9
100YR-002HR	Basin 3	BASE	10.75	94.58	97.60	11870	0.00	0.09	1.4	0.9
100YR-002HR	Basin 3	BASE	11.00	94.58	97.60	11862	0.00	0.09	1.4	0.9
100YR-002HR	Basin 3	BASE	11.26	94.57	97.60	11853	0.00	0.08	1.4	1.0
100YR-002HR	Basin 3	BASE	11.51	94.56	97.60	11845	0.00	0.08	1.4	1.0
100YR-002HR	Basin 3	BASE	11.76	94.56	97.60	11837	0.00	0.08	1.4	1.0
100YR-002HR	Basin 3	BASE	12.01	94.55	97.60	11829	0.00	0.08	1.4	1.0
100YR-002HR	Basin 3	BASE	12.26	94.55	97.60	11821	0.00	0.08	1.4	1.0
100YR-002HR	Basin 3	BASE	12.51	94.54	97.60	11814	0.00	0.07	1.4	1.0
100YR-002HR	Basin 3	BASE	12.76	94.53	97.60	11807	0.00	0.07	1.4	1.0
100YR-002HR	Basin 3	BASE	13.01	94.53	97.60	11800	0.00	0.07	1.4	1.0
100YR-002HR	Basin 3	BASE	13.26	94.52	97.60	11793	0.00	0.07	1.4	1.0
100YR-002HR	Basin 3	BASE	13.51	94.52	97.60	11786	0.00	0.07	1.4	1.0
100YR-002HR	Basin 3	BASE	13.76	94.51	97.60	11779	0.00	0.07	1.4	1.0
100YR-002HR	Basin 3	BASE	14.01	94.51	97.60	11772	0.00	0.07	1.4	1.0
100YR-002HR	Basin 3	BASE	14.26	94.50	97.60	11766	0.00	0.06	1.4	1.0
100YR-002HR	Basin 3	BASE	14.51	94.50	97.60	11759	0.00	0.06	1.4	1.0
100YR-002HR	Basin 3	BASE	14.76	94.49	97.60	11753	0.00	0.06	1.4	1.0
100YR-002HR	Basin 3	BASE	15.01	94.49	97.60	11747	0.00	0.06	1.4	1.0
100YR-002HR	Basin 3	BASE	15.26	94.48	97.60	11741	0.00	0.06	1.4	1.0
100YR-002HR	Basin 3	BASE	15.51	94.48	97.60	11735	0.00	0.06	1.4	1.0
100YR-002HR	Basin 3	BASE	15.76	94.48	97.60	11729	0.00	0.06	1.4	1.0
100YR-002HR	Basin 3	BASE	16.01	94.47	97.60	11723	0.00	0.06	1.4	1.0
100YR-002HR	Basin 3	BASE	16.26	94.47	97.60	11717	0.00	0.06	1.4	1.0
100YR-002HR	Basin 3	BASE	16.51	94.46	97.60	11711	0.00	0.06	1.4	1.0
100YR-002HR	Basin 3	BASE	16.76	94.46	97.60	11706	0.00	0.06	1.4	1.0
100YR-002HR	Basin 3	BASE	17.01	94.45	97.60	11700	0.00	0.06	1.4	1.0
100YR-002HR	Basin 3	BASE	17.26	94.45	97.60	11695	0.00	0.05	1.4	1.0
100YR-002HR	Basin 3	BASE	17.51	94.44	97.60	11689	0.00	0.05	1.4	1.0
100YR-002HR	Basin 3	BASE	17.76	94.44	97.60	11684	0.00	0.05	1.4	1.0
100YR-002HR	Basin 3	BASE	18.01	94.44	97.60	11679	0.00	0.05	1.4	1.0
100YR-002HR	Basin 3	BASE	18.26	94.43	97.60	11673	0.00	0.05	1.4	1.0
100YR-002HR	Basin 3	BASE	18.51	94.43	97.60	11668	0.00	0.05	1.4	1.0
100YR-002HR	Basin 3	BASE	18.76	94.42	97.60	11663	0.00	0.05	1.4	1.0
100YR-002HR	Basin 3	BASE	19.01	94.42	97.60	11658	0.00	0.05	1.4	1.0
100YR-002HR	Basin 3	BASE	19.26	94.42	97.60	11653	0.00	0.05	1.4	1.0
100YR-002HR	Basin 3	BASE	19.51	94.41	97.60	11648	0.00	0.05	1.4	1.0
100YR-002HR	Basin 3	BASE	19.76	94.41	97.60	11643	0.00	0.05	1.4	1.0
100YR-002HR	Basin 3	BASE	20.01	94.41	97.60	11638	0.00	0.05	1.4	1.0
100YR-002HR	Basin 3	BASE	20.26	94.40	97.60	11633	0.00	0.05	1.4	1.0
100YR-002HR	Basin 3	BASE	20.51	94.40	97.60	11628	0.00	0.05	1.4	1.0
100YR-002HR	Basin 3	BASE	20.76	94.39	97.60	11624	0.00	0.05	1.4	1.0
100YR-002HR	Basin 3	BASE	21.01	94.39	97.60	11619	0.00	0.05	1.4	1.0
100YR-002HR	Basin 3	BASE	21.26	94.39	97.60	11614	0.00	0.05	1.4	1.0
100YR-002HR	Basin 3	BASE	21.51	94.38	97.60	11610	0.00	0.05	1.4	1.0
100YR-002HR	Basin 3	BASE	21.76	94.38	97.60	11605	0.00	0.05	1.4	1.0
100YR-002HR	Basin 3	BASE	22.01	94.38	97.60	11600	0.00	0.04	1.4	1.0

HALF VOLUME RECOVERED

RECOVERY - BASIN 3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-002HR	Basin 3	BASE	298.51	93.02	97.60	9622	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	298.76	93.02	97.60	9621	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	299.01	93.02	97.60	9620	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	299.26	93.02	97.60	9619	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	299.51	93.02	97.60	9617	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	299.76	93.02	97.60	9616	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	300.01	93.02	97.60	9615	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	300.26	93.02	97.60	9614	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	300.51	93.02	97.60	9612	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	300.76	93.02	97.60	9611	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	301.01	93.02	97.60	9610	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	301.26	93.01	97.60	9609	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	301.51	93.01	97.60	9607	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	301.76	93.01	97.60	9606	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	302.01	93.01	97.60	9605	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	302.26	93.01	97.60	9604	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	302.51	93.01	97.60	9603	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	302.76	93.01	97.60	9601	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	303.01	93.01	97.60	9600	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	303.26	93.01	97.60	9599	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	303.51	93.01	97.60	9598	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	303.76	93.01	97.60	9597	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	304.01	93.01	97.60	9595	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	304.26	93.01	97.60	9594	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	304.51	93.01	97.60	9593	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	304.76	93.00	97.60	9592	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	305.01	93.00	97.60	9590	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	305.26	93.00	97.60	9589	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	305.51	93.00	97.60	9588	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	305.76	93.00	97.60	9587	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	306.01	93.00	97.60	9586	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	306.26	93.00	97.60	9585	0.00	0.01	1.4	1.3
100YR-002HR	Basin 3	BASE	306.51	93.00	97.60	9584	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	306.76	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	307.01	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	307.26	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	307.51	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	307.76	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	308.01	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	308.26	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	308.51	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	308.76	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	309.01	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	309.26	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	309.51	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	309.76	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	310.01	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	310.26	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	310.51	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	310.76	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	311.01	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	311.26	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	311.51	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	311.76	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	312.01	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	312.26	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	312.51	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	312.76	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	313.01	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	313.26	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	313.51	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	313.76	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	314.01	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	314.26	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	314.51	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	314.76	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	315.01	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	315.26	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	315.51	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	315.76	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	316.01	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	316.26	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	316.51	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	316.76	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	317.01	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	317.26	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	317.51	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	317.76	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	318.01	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	318.26	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	318.51	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	318.76	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	319.01	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	319.26	93.00	97.60	9583	0.00	0.00	1.4	1.3
100YR-002HR	Basin 3	BASE	319.51	93.00	97.60	9583	0.00	0.00	1.4	1.3

FULL VOLUME RECOVERED

RECOVERY - BASIN 3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-004HR	Basin 3	BASE	1.00	92.03	97.60	3079	0.37	0.00	0.0	0.0
100YR-004HR	Basin 3	BASE	1.25	92.37	97.60	3378	2.22	0.00	0.0	0.0
100YR-004HR	Basin 3	BASE	1.50	93.02	97.60	9619	3.65	0.99	0.1	0.0
100YR-004HR	Basin 3	BASE	1.75	93.48	97.60	10413	10.20	0.60	0.2	0.0
100YR-004HR	Basin 3	BASE	2.00	94.53	97.60	11802	15.41	0.71	0.5	0.0
100YR-004HR	Basin 3	BASE	2.25	95.51	97.60	13078	14.20	2.16	0.8	0.1
100YR-004HR	Basin 3	BASE	2.50	96.26	97.60	14058	14.44	3.78	1.1	0.1
100YR-004HR	Basin 3	BASE	2.75	96.78	97.60	14742	11.48	5.17	1.4	0.2
100YR-004HR	Basin 3	BASE	3.00	97.15	97.60	15226	11.74	6.23	1.6	0.3
100YR-004HR	Basin 3	BASE	3.25	97.33	97.60	15460	7.60	6.71	1.8	0.5
100YR-004HR	Basin 3	BASE	3.51	97.35	97.60	15489	6.77	6.73	2.0	0.6
100YR-004HR	Basin 3	BASE	3.76	97.32	97.60	15441	5.43	6.59	2.1	0.8
100YR-004HR	Basin 3	BASE	4.00	97.25	97.60	15349	5.06	6.36	2.2	0.9
100YR-004HR	Basin 3	BASE	4.25	97.15	97.60	15218	3.94	6.04	2.3	1.0
100YR-004HR	Basin 3	BASE	4.50	97.01	97.60	15040	3.10	5.62	2.4	1.1
100YR-004HR	Basin 3	BASE	4.75	96.84	97.60	14817	1.81	5.09	2.4	1.2
100YR-004HR	Basin 3	BASE	5.00	96.62	97.60	14530	0.69	4.43	2.4	1.3
100YR-004HR	Basin 3	BASE	5.25	96.39	97.60	14230	0.22	3.79	2.4	1.4
100YR-004HR	Basin 3	BASE	5.50	96.17	97.60	13948	0.02	3.24	2.4	1.5
100YR-004HR	Basin 3	BASE	5.75	95.98	97.60	13693	0.00	2.77	2.4	1.6
100YR-004HR	Basin 3	BASE	6.00	95.81	97.60	13471	0.00	2.31	2.4	1.6
100YR-004HR	Basin 3	BASE	6.25	95.66	97.60	13283	0.00	2.00	2.4	1.7
100YR-004HR	Basin 3	BASE	6.50	95.54	97.60	13115	0.00	1.76	2.4	1.7
100YR-004HR	Basin 3	BASE	6.75	95.42	97.60	12964	0.00	1.61	2.4	1.7
100YR-004HR	Basin 3	BASE	7.00	95.31	97.60	12822	0.00	1.47	2.4	1.8
100YR-004HR	Basin 3	BASE	7.26	95.21	97.60	12692	0.00	1.32	2.4	1.8
100YR-004HR	Basin 3	BASE	7.50	95.13	97.60	12578	0.00	1.15	2.4	1.8
100YR-004HR	Basin 3	BASE	7.75	95.05	97.60	12479	0.00	0.95	2.4	1.8
100YR-004HR	Basin 3	BASE	8.00	94.99	97.60	12400	0.00	0.74	2.4	1.9
100YR-004HR	Basin 3	BASE	8.25	94.94	97.60	12339	0.00	0.56	2.4	1.9
100YR-004HR	Basin 3	BASE	8.51	94.91	97.60	12294	0.00	0.44	2.4	1.9
100YR-004HR	Basin 3	BASE	8.75	94.88	97.60	12258	0.00	0.35	2.4	1.9
100YR-004HR	Basin 3	BASE	9.00	94.85	97.60	12223	0.00	0.28	2.4	1.9
100YR-004HR	Basin 3	BASE	9.26	94.83	97.60	12198	0.00	0.24	2.4	1.9
100YR-004HR	Basin 3	BASE	9.50	94.82	97.60	12177	0.00	0.20	2.4	1.9
100YR-004HR	Basin 3	BASE	9.76	94.80	97.60	12159	0.00	0.17	2.4	1.9
100YR-004HR	Basin 3	BASE	10.00	94.79	97.60	12144	0.00	0.15	2.4	1.9
100YR-004HR	Basin 3	BASE	10.25	94.78	97.60	12131	0.00	0.13	2.4	1.9
100YR-004HR	Basin 3	BASE	10.51	94.77	97.60	12119	0.00	0.11	2.4	1.9
100YR-004HR	Basin 3	BASE	10.75	94.77	97.60	12109	0.00	0.10	2.4	1.9
100YR-004HR	Basin 3	BASE	11.00	94.76	97.60	12099	0.00	0.09	2.4	1.9
100YR-004HR	Basin 3	BASE	11.26	94.75	97.60	12090	0.00	0.09	2.4	1.9
100YR-004HR	Basin 3	BASE	11.50	94.75	97.60	12082	0.00	0.09	2.4	1.9
100YR-004HR	Basin 3	BASE	11.75	94.74	97.60	12073	0.00	0.08	2.4	1.9
100YR-004HR	Basin 3	BASE	12.01	94.73	97.60	12065	0.00	0.08	2.4	1.9
100YR-004HR	Basin 3	BASE	12.26	94.73	97.60	12057	0.00	0.08	2.4	1.9
100YR-004HR	Basin 3	BASE	12.50	94.72	97.60	12050	0.00	0.08	2.4	1.9
100YR-004HR	Basin 3	BASE	12.75	94.72	97.60	12042	0.00	0.08	2.4	1.9
100YR-004HR	Basin 3	BASE	13.01	94.71	97.60	12035	0.00	0.07	2.4	1.9
100YR-004HR	Basin 3	BASE	13.25	94.70	97.60	12027	0.00	0.07	2.4	1.9
100YR-004HR	Basin 3	BASE	13.50	94.70	97.60	12020	0.00	0.07	2.4	1.9
100YR-004HR	Basin 3	BASE	13.76	94.69	97.60	12013	0.00	0.07	2.4	1.9
100YR-004HR	Basin 3	BASE	14.00	94.69	97.60	12006	0.00	0.07	2.4	1.9
100YR-004HR	Basin 3	BASE	14.25	94.68	97.60	12000	0.00	0.07	2.4	1.9
100YR-004HR	Basin 3	BASE	14.51	94.68	97.60	11993	0.00	0.07	2.4	1.9
100YR-004HR	Basin 3	BASE	14.76	94.67	97.60	11987	0.00	0.07	2.4	1.9
100YR-004HR	Basin 3	BASE	15.00	94.67	97.60	11980	0.00	0.06	2.4	1.9
100YR-004HR	Basin 3	BASE	15.25	94.66	97.60	11974	0.00	0.06	2.4	2.0
100YR-004HR	Basin 3	BASE	15.51	94.66	97.60	11968	0.00	0.06	2.4	2.0
100YR-004HR	Basin 3	BASE	15.76	94.65	97.60	11961	0.00	0.06	2.4	2.0
100YR-004HR	Basin 3	BASE	16.01	94.65	97.60	11955	0.00	0.06	2.4	2.0
100YR-004HR	Basin 3	BASE	16.26	94.64	97.60	11949	0.00	0.06	2.4	2.0
100YR-004HR	Basin 3	BASE	16.51	94.64	97.60	11944	0.00	0.06	2.4	2.0
100YR-004HR	Basin 3	BASE	16.76	94.64	97.60	11938	0.00	0.06	2.4	2.0
100YR-004HR	Basin 3	BASE	17.01	94.63	97.60	11932	0.00	0.06	2.4	2.0
100YR-004HR	Basin 3	BASE	17.26	94.63	97.60	11926	0.00	0.06	2.4	2.0
100YR-004HR	Basin 3	BASE	17.51	94.62	97.60	11921	0.00	0.06	2.4	2.0
100YR-004HR	Basin 3	BASE	17.76	94.62	97.60	11915	0.00	0.06	2.4	2.0
100YR-004HR	Basin 3	BASE	18.01	94.61	97.60	11910	0.00	0.05	2.4	2.0
100YR-004HR	Basin 3	BASE	18.26	94.61	97.60	11904	0.00	0.05	2.4	2.0
100YR-004HR	Basin 3	BASE	18.51	94.61	97.60	11899	0.00	0.05	2.4	2.0
100YR-004HR	Basin 3	BASE	18.76	94.60	97.60	11894	0.00	0.05	2.4	2.0
100YR-004HR	Basin 3	BASE	19.01	94.60	97.60	11889	0.00	0.05	2.4	2.0
100YR-004HR	Basin 3	BASE	19.26	94.59	97.60	11883	0.00	0.05	2.4	2.0
100YR-004HR	Basin 3	BASE	19.51	94.59	97.60	11878	0.00	0.05	2.4	2.0
100YR-004HR	Basin 3	BASE	19.76	94.59	97.60	11873	0.00	0.05	2.4	2.0
100YR-004HR	Basin 3	BASE	20.01	94.58	97.60	11868	0.00	0.05	2.4	2.0
100YR-004HR	Basin 3	BASE	20.26	94.58	97.60	11863	0.00	0.05	2.4	2.0
100YR-004HR	Basin 3	BASE	20.51	94.57	97.60	11858	0.00	0.05	2.4	2.0
100YR-004HR	Basin 3	BASE	20.76	94.57	97.60	11853	0.00	0.05	2.4	2.0
100YR-004HR	Basin 3	BASE	21.01	94.57	97.60	11849	0.00	0.05	2.4	2.0
100YR-004HR	Basin 3	BASE	21.26	94.56	97.60	11844	0.00	0.05	2.4	2.0
100YR-004HR	Basin 3	BASE	21.51	94.56	97.60	11839	0.00	0.05	2.4	2.0
100YR-004HR	Basin 3	BASE	21.76	94.56	97.60	11834	0.00	0.05	2.4	2.0
100YR-004HR	Basin 3	BASE	22.01	94.55	97.60	11830	0.00	0.05	2.4	2.0

HALF VOLUME RECOVERED

RECOVERY - BASIN 3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-004HR	Basin 3	BASE	341.01	93.05	97.60	9676	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	341.26	93.05	97.60	9675	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	341.51	93.05	97.60	9674	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	341.76	93.05	97.60	9673	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	342.01	93.05	97.60	9671	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	342.26	93.05	97.60	9670	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	342.51	93.05	97.60	9669	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	342.76	93.05	97.60	9668	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	343.01	93.05	97.60	9667	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	343.26	93.05	97.60	9666	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	343.51	93.05	97.60	9665	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	343.76	93.05	97.60	9663	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	344.01	93.05	97.60	9662	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	344.26	93.04	97.60	9661	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	344.51	93.04	97.60	9660	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	344.76	93.04	97.60	9659	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	345.01	93.04	97.60	9658	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	345.26	93.04	97.60	9657	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	345.51	93.04	97.60	9655	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	345.76	93.04	97.60	9654	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	346.01	93.04	97.60	9653	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	346.26	93.04	97.60	9652	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	346.51	93.04	97.60	9651	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	346.76	93.04	97.60	9650	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	347.01	93.04	97.60	9648	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	347.26	93.04	97.60	9647	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	347.51	93.04	97.60	9646	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	347.76	93.04	97.60	9645	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	348.01	93.03	97.60	9644	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	348.26	93.03	97.60	9643	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	348.51	93.03	97.60	9642	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	348.76	93.03	97.60	9641	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	349.01	93.03	97.60	9639	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	349.26	93.03	97.60	9638	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	349.51	93.03	97.60	9637	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	349.76	93.03	97.60	9636	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	350.01	93.03	97.60	9635	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	350.26	93.03	97.60	9634	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	350.51	93.03	97.60	9633	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	350.76	93.03	97.60	9631	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	351.01	93.03	97.60	9630	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	351.26	93.03	97.60	9629	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	351.51	93.03	97.60	9628	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	351.76	93.03	97.60	9627	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	352.01	93.02	97.60	9626	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	352.26	93.02	97.60	9625	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	352.51	93.02	97.60	9623	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	352.76	93.02	97.60	9622	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	353.01	93.02	97.60	9621	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	353.26	93.02	97.60	9620	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	353.51	93.02	97.60	9619	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	353.76	93.02	97.60	9618	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	354.01	93.02	97.60	9617	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	354.26	93.02	97.60	9616	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	354.51	93.02	97.60	9614	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	354.76	93.02	97.60	9613	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	355.01	93.02	97.60	9612	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	355.26	93.02	97.60	9611	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	355.51	93.02	97.60	9610	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	355.76	93.01	97.60	9609	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	356.01	93.01	97.60	9608	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	356.26	93.01	97.60	9607	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	356.51	93.01	97.60	9605	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	356.76	93.01	97.60	9604	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	357.01	93.01	97.60	9603	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	357.26	93.01	97.60	9602	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	357.51	93.01	97.60	9601	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	357.76	93.01	97.60	9600	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	358.01	93.01	97.60	9599	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	358.26	93.01	97.60	9598	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	358.51	93.01	97.60	9596	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	358.76	93.01	97.60	9595	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	359.01	93.01	97.60	9594	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	359.26	93.01	97.60	9593	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	359.51	93.01	97.60	9592	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	359.76	93.00	97.60	9591	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	360.01	93.00	97.60	9590	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	360.26	93.00	97.60	9589	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	360.51	93.00	97.60	9587	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	360.76	93.00	97.60	9586	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	361.01	93.00	97.60	9585	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	361.26	93.00	97.60	9584	0.00	0.01	2.4	2.4
100YR-004HR	Basin 3	BASE	361.51	93.00	97.60	9583	0.00	0.00	2.4	2.4
100YR-004HR	Basin 3	BASE	361.76	93.00	97.60	9583	0.00	0.00	2.4	2.4
100YR-004HR	Basin 3	BASE	362.01	93.00	97.60	9583	0.00	0.00	2.4	2.4

FULL VOLUME RECOVERED

RECOVERY - BASIN 3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-004HR	Basin 3	BASE	723.51	93.00	97.60	9583	0.00	0.00	2.4	2.4
100YR-004HR	Basin 3	BASE	723.76	93.00	97.60	9583	0.00	0.00	2.4	2.4
100YR-004HR	Basin 3	BASE	724.00	93.00	97.60	9583	0.00	0.00	2.4	2.4
100YR-008HR	Basin 3	BASE	0.00	92.00	97.60	3049	0.00	0.00	0.0	0.0
100YR-008HR	Basin 3	BASE	0.26	92.00	97.60	3049	0.00	0.00	0.0	0.0
100YR-008HR	Basin 3	BASE	0.50	92.00	97.60	3049	0.00	0.00	0.0	0.0
100YR-008HR	Basin 3	BASE	0.77	92.00	97.60	3049	0.00	0.00	0.0	0.0
100YR-008HR	Basin 3	BASE	1.02	92.00	97.60	3049	0.00	0.00	0.0	0.0
100YR-008HR	Basin 3	BASE	1.27	92.00	97.60	3049	0.00	0.00	0.0	0.0
100YR-008HR	Basin 3	BASE	1.52	92.00	97.60	3049	0.00	0.00	0.0	0.0
100YR-008HR	Basin 3	BASE	1.77	92.02	97.60	3062	0.16	0.00	0.0	0.0
100YR-008HR	Basin 3	BASE	2.00	92.10	97.60	3138	0.46	0.00	0.0	0.0
100YR-008HR	Basin 3	BASE	2.25	92.31	97.60	3322	1.04	0.00	0.0	0.0
100YR-008HR	Basin 3	BASE	2.50	92.64	97.60	3609	1.45	0.00	0.0	0.0
100YR-008HR	Basin 3	BASE	2.75	93.00	97.60	9585	1.77	1.77	0.1	0.0
100YR-008HR	Basin 3	BASE	3.00	93.12	97.60	9786	2.03	0.46	0.1	0.0
100YR-008HR	Basin 3	BASE	3.25	93.51	97.60	10468	10.11	0.50	0.2	0.1
100YR-008HR	Basin 3	BASE	3.50	94.54	97.60	11814	14.97	0.64	0.5	0.1
100YR-008HR	Basin 3	BASE	3.75	95.57	97.60	13157	16.20	2.22	0.8	0.1
100YR-008HR	Basin 3	BASE	4.00	96.45	97.60	14304	16.99	4.26	1.2	0.2
100YR-008HR	Basin 3	BASE	4.25	96.96	97.60	14976	10.55	5.70	1.5	0.3
100YR-008HR	Basin 3	BASE	4.50	97.19	97.60	15274	9.33	6.32	1.7	0.4
100YR-008HR	Basin 3	BASE	4.75	97.34	97.60	15468	8.86	6.71	1.9	0.5
100YR-008HR	Basin 3	BASE	5.00	97.45	97.60	15616	8.85	6.99	2.0	0.7
100YR-008HR	Basin 3	BASE	5.25	97.49	97.60	15664	6.60	7.06	2.2	0.8
100YR-008HR	Basin 3	BASE	5.50	97.45	97.60	15616	6.23	6.94	2.3	1.0
100YR-008HR	Basin 3	BASE	5.75	97.41	97.60	15563	6.10	6.81	2.5	1.1
100YR-008HR	Basin 3	BASE	6.00	97.37	97.60	15511	6.01	6.68	2.6	1.2
100YR-008HR	Basin 3	BASE	6.25	97.32	97.60	15452	5.68	6.53	2.7	1.4
100YR-008HR	Basin 3	BASE	6.50	97.27	97.60	15387	5.52	6.37	2.8	1.5
100YR-008HR	Basin 3	BASE	6.75	97.22	97.60	15322	5.39	6.22	2.9	1.6
100YR-008HR	Basin 3	BASE	7.00	97.18	97.60	15260	5.26	6.07	3.0	1.8
100YR-008HR	Basin 3	BASE	7.25	97.12	97.60	15179	4.57	5.83	3.1	1.9
100YR-008HR	Basin 3	BASE	7.50	97.03	97.60	15070	4.10	5.58	3.2	2.0
100YR-008HR	Basin 3	BASE	7.75	96.94	97.60	14948	3.65	5.31	3.3	2.1
100YR-008HR	Basin 3	BASE	8.01	96.83	97.60	14803	2.97	4.97	3.4	2.2
100YR-008HR	Basin 3	BASE	8.25	96.67	97.60	14601	1.34	4.51	3.4	2.3
100YR-008HR	Basin 3	BASE	8.50	96.46	97.60	14325	0.47	3.92	3.4	2.4
100YR-008HR	Basin 3	BASE	8.75	96.25	97.60	14050	0.13	3.38	3.4	2.5
100YR-008HR	Basin 3	BASE	9.00	96.05	97.60	13789	0.00	2.86	3.4	2.5
100YR-008HR	Basin 3	BASE	9.25	95.88	97.60	13563	0.00	2.38	3.4	2.6
100YR-008HR	Basin 3	BASE	9.50	95.73	97.60	13371	0.00	2.02	3.4	2.6
100YR-008HR	Basin 3	BASE	9.76	95.60	97.60	13204	0.00	1.75	3.4	2.7
100YR-008HR	Basin 3	BASE	10.01	95.49	97.60	13056	0.00	1.55	3.4	2.7
100YR-008HR	Basin 3	BASE	10.25	95.39	97.60	12924	0.00	1.42	3.4	2.7
100YR-008HR	Basin 3	BASE	10.50	95.29	97.60	12799	0.00	1.28	3.4	2.8
100YR-008HR	Basin 3	BASE	10.75	95.21	97.60	12689	0.00	1.15	3.4	2.8
100YR-008HR	Basin 3	BASE	11.00	95.13	97.60	12587	0.00	1.01	3.4	2.8
100YR-008HR	Basin 3	BASE	11.26	95.06	97.60	12497	0.00	0.88	3.4	2.8
100YR-008HR	Basin 3	BASE	11.50	95.01	97.60	12422	0.00	0.71	3.4	2.9
100YR-008HR	Basin 3	BASE	11.75	94.96	97.60	12360	0.00	0.55	3.4	2.9
100YR-008HR	Basin 3	BASE	12.01	94.92	97.60	12309	0.00	0.43	3.4	2.9
100YR-008HR	Basin 3	BASE	12.26	94.90	97.60	12268	0.00	0.35	3.4	2.9
100YR-008HR	Basin 3	BASE	12.50	94.87	97.60	12249	0.00	0.29	3.4	2.9
100YR-008HR	Basin 3	BASE	12.76	94.85	97.60	12223	0.00	0.24	3.4	2.9
100YR-008HR	Basin 3	BASE	13.00	94.84	97.60	12202	0.00	0.20	3.4	2.9
100YR-008HR	Basin 3	BASE	13.26	94.82	97.60	12184	0.00	0.17	3.4	2.9
100YR-008HR	Basin 3	BASE	13.51	94.81	97.60	12169	0.00	0.15	3.4	2.9
100YR-008HR	Basin 3	BASE	13.75	94.80	97.60	12156	0.00	0.13	3.4	2.9
100YR-008HR	Basin 3	BASE	14.01	94.79	97.60	12144	0.00	0.11	3.4	2.9
100YR-008HR	Basin 3	BASE	14.25	94.78	97.60	12133	0.00	0.10	3.4	2.9
100YR-008HR	Basin 3	BASE	14.51	94.78	97.60	12124	0.00	0.09	3.4	2.9
100YR-008HR	Basin 3	BASE	14.75	94.77	97.60	12116	0.00	0.08	3.4	2.9
100YR-008HR	Basin 3	BASE	15.01	94.77	97.60	12108	0.00	0.08	3.4	2.9
100YR-008HR	Basin 3	BASE	15.26	94.76	97.60	12100	0.00	0.07	3.4	2.9
100YR-008HR	Basin 3	BASE	15.50	94.75	97.60	12094	0.00	0.07	3.4	2.9
100YR-008HR	Basin 3	BASE	15.75	94.75	97.60	12088	0.00	0.06	3.4	2.9
100YR-008HR	Basin 3	BASE	16.01	94.74	97.60	12081	0.00	0.06	3.4	2.9
100YR-008HR	Basin 3	BASE	16.26	94.74	97.60	12075	0.00	0.06	3.4	2.9
100YR-008HR	Basin 3	BASE	16.50	94.74	97.60	12069	0.00	0.06	3.4	2.9
100YR-008HR	Basin 3	BASE	16.75	94.73	97.60	12063	0.00	0.06	3.4	2.9
100YR-008HR	Basin 3	BASE	17.01	94.73	97.60	12057	0.00	0.06	3.4	2.9
100YR-008HR	Basin 3	BASE	17.26	94.72	97.60	12051	0.00	0.06	3.4	2.9
100YR-008HR	Basin 3	BASE	17.50	94.72	97.60	12046	0.00	0.06	3.4	2.9
100YR-008HR	Basin 3	BASE	17.75	94.71	97.60	12040	0.00	0.06	3.4	2.9
100YR-008HR	Basin 3	BASE	18.01	94.71	97.60	12034	0.00	0.06	3.4	2.9
100YR-008HR	Basin 3	BASE	18.26	94.70	97.60	12029	0.00	0.06	3.4	2.9
100YR-008HR	Basin 3	BASE	18.50	94.70	97.60	12023	0.00	0.06	3.4	2.9
100YR-008HR	Basin 3	BASE	18.75	94.70	97.60	12018	0.00	0.06	3.4	2.9
100YR-008HR	Basin 3	BASE	19.01	94.69	97.60	12012	0.00	0.05	3.4	2.9
100YR-008HR	Basin 3	BASE	19.26	94.69	97.60	12007	0.00	0.05	3.4	3.0
100YR-008HR	Basin 3	BASE	19.50	94.68	97.60	12002	0.00	0.05	3.4	3.0
100YR-008HR	Basin 3	BASE	19.75	94.68	97.60	11997	0.00	0.05	3.4	3.0
100YR-008HR	Basin 3	BASE	20.01	94.68	97.60	11991	0.00	0.05	3.4	3.0

HALF VOLUME RECOVERED

RECOVERY - BASIN 3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-008HR	Basin 3	BASE	381.50	93.02	97.60	9621	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	381.75	93.02	97.60	9620	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	382.00	93.02	97.60	9619	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	382.25	93.02	97.60	9618	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	382.50	93.02	97.60	9617	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	382.75	93.02	97.60	9616	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	383.00	93.02	97.60	9615	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	383.25	93.02	97.60	9614	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	383.50	93.02	97.60	9612	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	383.75	93.02	97.60	9611	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	384.00	93.02	97.60	9610	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	384.25	93.01	97.60	9609	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	384.50	93.01	97.60	9608	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	384.75	93.01	97.60	9607	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	385.00	93.01	97.60	9606	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	385.25	93.01	97.60	9605	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	385.50	93.01	97.60	9604	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	385.75	93.01	97.60	9603	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	386.00	93.01	97.60	9602	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	386.25	93.01	97.60	9601	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	386.50	93.01	97.60	9600	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	386.75	93.01	97.60	9598	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	387.00	93.01	97.60	9597	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	387.25	93.01	97.60	9596	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	387.50	93.01	97.60	9595	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	387.75	93.01	97.60	9594	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	388.00	93.01	97.60	9593	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	388.25	93.01	97.60	9592	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	388.50	93.00	97.60	9591	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	388.75	93.00	97.60	9590	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	389.00	93.00	97.60	9589	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	389.25	93.00	97.60	9588	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	389.50	93.00	97.60	9587	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	389.75	93.00	97.60	9586	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	390.00	93.00	97.60	9585	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	390.25	93.00	97.60	9584	0.00	0.01	3.4	3.4
100YR-008HR	Basin 3	BASE	390.50	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	390.75	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	391.00	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	391.25	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	391.50	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	391.75	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	392.00	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	392.25	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	392.50	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	392.75	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	393.00	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	393.25	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	393.50	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	393.75	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	394.00	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	394.25	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	394.50	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	394.75	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	395.00	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	395.25	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	395.50	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	395.75	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	396.00	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	396.25	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	396.50	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	396.75	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	397.00	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	397.25	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	397.50	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	397.75	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	398.00	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	398.25	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	398.50	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	398.75	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	399.00	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	399.25	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	399.50	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	399.75	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	400.00	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	400.25	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	400.50	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	400.75	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	401.00	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	401.25	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	401.50	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	401.75	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	402.00	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	402.25	93.00	97.60	9583	0.00	0.00	3.4	3.4
100YR-008HR	Basin 3	BASE	402.50	93.00	97.60	9583	0.00	0.00	3.4	3.4

FULL VOLUME RECOVERED

RECOVERY - BASIN 3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-024HR	Basin 3	BASE	14.00	96.81	97.60	14786	4.77	4.93	2.6	1.4
100YR-024HR	Basin 3	BASE	14.25	96.81	97.60	14774	4.78	4.90	2.7	1.5
100YR-024HR	Basin 3	BASE	14.51	96.81	97.60	14779	5.28	4.91	2.8	1.7
100YR-024HR	Basin 3	BASE	14.76	96.85	97.60	14830	5.84	4.99	2.9	1.8
100YR-024HR	Basin 3	BASE	15.00	96.90	97.60	14899	5.99	5.12	3.0	1.9
100YR-024HR	Basin 3	BASE	15.25	96.94	97.60	14948	5.57	5.21	3.2	2.0
100YR-024HR	Basin 3	BASE	15.50	96.95	97.60	14968	5.40	5.23	3.3	2.1
100YR-024HR	Basin 3	BASE	15.75	96.96	97.60	14978	5.34	5.24	3.4	2.2
100YR-024HR	Basin 3	BASE	16.00	96.97	97.60	14985	5.32	5.25	3.5	2.3
100YR-024HR	Basin 3	BASE	16.25	96.96	97.60	14975	4.88	5.21	3.6	2.4
100YR-024HR	Basin 3	BASE	16.50	96.93	97.60	14943	4.67	5.13	3.7	2.5
100YR-024HR	Basin 3	BASE	16.75	96.91	97.60	14906	4.55	5.04	3.8	2.6
100YR-024HR	Basin 3	BASE	17.00	96.88	97.60	14867	4.45	4.94	3.9	2.7
100YR-024HR	Basin 3	BASE	17.25	96.85	97.60	14827	4.32	4.84	4.0	2.8
100YR-024HR	Basin 3	BASE	17.50	96.82	97.60	14787	4.25	4.74	4.1	2.9
100YR-024HR	Basin 3	BASE	17.75	96.79	97.60	14750	4.21	4.65	4.2	3.0
100YR-024HR	Basin 3	BASE	18.00	96.76	97.60	14717	4.20	4.57	4.2	3.1
100YR-024HR	Basin 3	BASE	18.25	96.74	97.60	14689	4.19	4.51	4.3	3.2
100YR-024HR	Basin 3	BASE	18.50	96.72	97.60	14666	4.19	4.45	4.4	3.3
100YR-024HR	Basin 3	BASE	18.75	96.71	97.60	14647	4.19	4.40	4.5	3.4
100YR-024HR	Basin 3	BASE	19.00	96.70	97.60	14631	4.19	4.37	4.6	3.5
100YR-024HR	Basin 3	BASE	19.25	96.67	97.60	14600	3.67	4.30	4.7	3.6
100YR-024HR	Basin 3	BASE	19.50	96.63	97.60	14541	3.35	4.16	4.7	3.6
100YR-024HR	Basin 3	BASE	19.75	96.58	97.60	14474	3.19	4.01	4.8	3.7
100YR-024HR	Basin 3	BASE	20.00	96.53	97.60	14409	3.10	3.87	4.9	3.8
100YR-024HR	Basin 3	BASE	20.25	96.48	97.60	14348	3.04	3.74	4.9	3.9
100YR-024HR	Basin 3	BASE	20.50	96.44	97.60	14294	3.01	3.63	5.0	4.0
100YR-024HR	Basin 3	BASE	20.75	96.40	97.60	14246	2.99	3.53	5.1	4.0
100YR-024HR	Basin 3	BASE	21.00	96.37	97.60	14204	2.98	3.45	5.1	4.1
100YR-024HR	Basin 3	BASE	21.25	96.33	97.60	14149	2.44	3.34	5.2	4.2
100YR-024HR	Basin 3	BASE	21.50	96.26	97.60	14068	2.15	3.18	5.2	4.3
100YR-024HR	Basin 3	BASE	21.75	96.20	97.60	13983	2.03	3.02	5.3	4.3
100YR-024HR	Basin 3	BASE	22.00	96.14	97.60	13903	1.97	2.87	5.3	4.4
100YR-024HR	Basin 3	BASE	22.26	96.07	97.60	13807	1.38	2.70	5.3	4.4
100YR-024HR	Basin 3	BASE	22.51	95.97	97.60	13686	1.05	2.47	5.4	4.5
100YR-024HR	Basin 3	BASE	22.75	95.88	97.60	13571	0.90	2.25	5.4	4.5
100YR-024HR	Basin 3	BASE	23.00	95.80	97.60	13457	0.81	2.04	5.4	4.6
100YR-024HR	Basin 3	BASE	23.26	95.72	97.60	13353	0.76	1.87	5.4	4.6
100YR-024HR	Basin 3	BASE	23.51	95.65	97.60	13259	0.73	1.72	5.4	4.7
100YR-024HR	Basin 3	BASE	23.75	95.59	97.60	13179	0.72	1.61	5.5	4.7
100YR-024HR	Basin 3	BASE	24.00	95.53	97.60	13103	0.70	1.51	5.5	4.7
100YR-024HR	Basin 3	BASE	24.26	95.46	97.60	13012	0.22	1.42	5.5	4.8
100YR-024HR	Basin 3	BASE	24.51	95.37	97.60	12896	0.02	1.30	5.5	4.8
100YR-024HR	Basin 3	BASE	24.75	95.28	97.60	12786	0.00	1.19	5.5	4.8
100YR-024HR	Basin 3	BASE	25.00	95.20	97.60	12680	0.00	1.07	5.5	4.8
100YR-024HR	Basin 3	BASE	25.26	95.13	97.60	12586	0.00	0.94	5.5	4.9
100YR-024HR	Basin 3	BASE	25.51	95.07	97.60	12502	0.00	0.82	5.5	4.9
100YR-024HR	Basin 3	BASE	25.75	95.01	97.60	12433	0.00	0.67	5.5	4.9
100YR-024HR	Basin 3	BASE	26.00	94.97	97.60	12376	0.00	0.53	5.5	4.9
100YR-024HR	Basin 3	BASE	26.26	94.94	97.60	12330	0.00	0.41	5.5	4.9
100YR-024HR	Basin 3	BASE	26.51	94.91	97.60	12294	0.00	0.33	5.5	4.9
100YR-024HR	Basin 3	BASE	26.75	94.89	97.60	12268	0.00	0.27	5.5	4.9
100YR-024HR	Basin 3	BASE	27.00	94.87	97.60	12245	0.00	0.23	5.5	4.9
100YR-024HR	Basin 3	BASE	27.26	94.85	97.60	12222	0.00	0.19	5.5	4.9
100YR-024HR	Basin 3	BASE	27.51	94.84	97.60	12204	0.00	0.16	5.5	4.9
100YR-024HR	Basin 3	BASE	27.75	94.83	97.60	12190	0.00	0.14	5.5	4.9
100YR-024HR	Basin 3	BASE	28.00	94.82	97.60	12178	0.00	0.12	5.5	4.9
100YR-024HR	Basin 3	BASE	28.26	94.81	97.60	12167	0.00	0.11	5.5	4.9
100YR-024HR	Basin 3	BASE	28.51	94.80	97.60	12157	0.00	0.09	5.5	4.9
100YR-024HR	Basin 3	BASE	28.75	94.80	97.60	12148	0.00	0.08	5.5	4.9
100YR-024HR	Basin 3	BASE	29.01	94.79	97.60	12141	0.00	0.08	5.5	5.0
100YR-024HR	Basin 3	BASE	29.25	94.79	97.60	12134	0.00	0.07	5.5	5.0
100YR-024HR	Basin 3	BASE	29.51	94.78	97.60	12127	0.00	0.06	5.5	5.0
100YR-024HR	Basin 3	BASE	29.76	94.78	97.60	12121	0.00	0.06	5.5	5.0
100YR-024HR	Basin 3	BASE	30.00	94.77	97.60	12116	0.00	0.05	5.5	5.0
100YR-024HR	Basin 3	BASE	30.25	94.77	97.60	12112	0.00	0.05	5.5	5.0
100YR-024HR	Basin 3	BASE	30.50	94.76	97.60	12107	0.00	0.05	5.5	5.0
100YR-024HR	Basin 3	BASE	30.75	94.76	97.60	12103	0.00	0.04	5.5	5.0
100YR-024HR	Basin 3	BASE	31.00	94.76	97.60	12099	0.00	0.04	5.5	5.0
100YR-024HR	Basin 3	BASE	31.25	94.76	97.60	12095	0.00	0.04	5.5	5.0
100YR-024HR	Basin 3	BASE	31.50	94.75	97.60	12091	0.00	0.04	5.5	5.0
100YR-024HR	Basin 3	BASE	31.75	94.75	97.60	12087	0.00	0.04	5.5	5.0
100YR-024HR	Basin 3	BASE	32.00	94.75	97.60	12084	0.00	0.04	5.5	5.0
100YR-024HR	Basin 3	BASE	32.25	94.74	97.60	12080	0.00	0.04	5.5	5.0
100YR-024HR	Basin 3	BASE	32.50	94.74	97.60	12077	0.00	0.04	5.5	5.0
100YR-024HR	Basin 3	BASE	32.75	94.74	97.60	12073	0.00	0.04	5.5	5.0
100YR-024HR	Basin 3	BASE	33.00	94.74	97.60	12070	0.00	0.04	5.5	5.0
100YR-024HR	Basin 3	BASE	33.25	94.73	97.60	12066	0.00	0.04	5.5	5.0
100YR-024HR	Basin 3	BASE	33.50	94.73	97.60	12062	0.00	0.04	5.5	5.0
100YR-024HR	Basin 3	BASE	33.75	94.73	97.60	12059	0.00	0.04	5.5	5.0
100YR-024HR	Basin 3	BASE	34.00	94.73	97.60	12055	0.00	0.04	5.5	5.0
100YR-024HR	Basin 3	BASE	34.25	94.72	97.60	12052	0.00	0.04	5.5	5.0
100YR-024HR	Basin 3	BASE	34.50	94.72	97.60	12048	0.00	0.04	5.5	5.0
100YR-024HR	Basin 3	BASE	34.75	94.72	97.60	12045	0.00	0.04	5.5	5.0
100YR-024HR	Basin 3	BASE	35.00	94.71	97.60	12041	0.00	0.04	5.5	5.0

HALF VOLUME RECOVERED

RECOVERY - BASIN 3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-024HR	Basin 3	BASE	460.25	93.02	97.60	9615	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	460.50	93.02	97.60	9614	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	460.75	93.02	97.60	9613	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	461.00	93.02	97.60	9612	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	461.25	93.02	97.60	9611	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	461.50	93.02	97.60	9610	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	461.75	93.01	97.60	9609	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	462.00	93.01	97.60	9608	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	462.25	93.01	97.60	9607	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	462.50	93.01	97.60	9606	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	462.75	93.01	97.60	9605	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	463.00	93.01	97.60	9604	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	463.25	93.01	97.60	9603	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	463.50	93.01	97.60	9602	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	463.75	93.01	97.60	9601	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	464.00	93.01	97.60	9600	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	464.25	93.01	97.60	9599	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	464.50	93.01	97.60	9598	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	464.75	93.01	97.60	9597	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	465.00	93.01	97.60	9596	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	465.25	93.01	97.60	9595	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	465.50	93.01	97.60	9594	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	465.75	93.01	97.60	9593	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	466.00	93.00	97.60	9592	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	466.25	93.00	97.60	9591	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	466.50	93.00	97.60	9590	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	466.75	93.00	97.60	9589	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	467.00	93.00	97.60	9588	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	467.25	93.00	97.	[illegible]	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	467.50	93.00	97.	[illegible]	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	467.75	93.00	97.	[illegible]	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	468.00	93.00	97.60	9584	0.00	0.01	5.5	5.4
100YR-024HR	Basin 3	BASE	468.25	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	468.50	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	468.75	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	469.00	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	469.25	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	469.50	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	469.75	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	470.00	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	470.25	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	470.50	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	470.75	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	471.00	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	471.25	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	471.50	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	471.75	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	472.00	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	472.25	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	472.50	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	472.75	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	473.00	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	473.25	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	473.50	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	473.75	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	474.00	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	474.25	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	474.50	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	474.75	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	475.00	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	475.25	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	475.50	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	475.75	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	476.00	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	476.25	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	476.50	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	476.75	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	477.00	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	477.25	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	477.50	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	477.75	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	478.00	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	478.25	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	478.50	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	478.75	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	479.00	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	479.25	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	479.50	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	479.75	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	480.00	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	480.25	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	480.50	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	480.75	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	481.00	93.00	97.60	9583	0.00	0.00	5.5	5.4
100YR-024HR	Basin 3	BASE	481.25	93.00	97.60	9583	0.00	0.00	5.5	5.4

FULL VOLUME RECOVERED

RECOVERY - BASIN 3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-072HR	Basin 3	BASE	55.51	95.55	97.60	13134	1.87	1.56	3.6	2.8
100YR-072HR	Basin 3	BASE	55.76	95.57	97.60	13161	1.88	1.59	3.6	2.8
100YR-072HR	Basin 3	BASE	56.01	95.59	97.60	13185	1.94	1.62	3.6	2.9
100YR-072HR	Basin 3	BASE	56.25	95.68	97.60	13301	4.34	1.80	3.7	2.9
100YR-072HR	Basin 3	BASE	56.50	95.87	97.60	13545	5.07	2.23	3.8	2.9
100YR-072HR	Basin 3	BASE	56.75	96.04	97.60	13776	5.13	2.67	3.9	3.0
100YR-072HR	Basin 3	BASE	57.00	96.19	97.60	13971	5.14	3.01	4.0	3.1
100YR-072HR	Basin 3	BASE	57.25	96.32	97.60	14136	5.15	3.32	4.1	3.1
100YR-072HR	Basin 3	BASE	57.50	96.42	97.60	14277	5.16	3.60	4.2	3.2
100YR-072HR	Basin 3	BASE	57.75	96.51	97.60	14394	5.17	3.84	4.3	3.3
100YR-072HR	Basin 3	BASE	58.00	96.59	97.60	14494	5.17	4.05	4.4	3.4
100YR-072HR	Basin 3	BASE	58.25	96.66	97.60	14577	5.18	4.23	4.5	3.4
100YR-072HR	Basin 3	BASE	58.50	96.71	97.60	14649	5.19	4.38	4.6	3.5
100YR-072HR	Basin 3	BASE	58.75	96.75	97.60	14708	5.19	4.51	4.8	3.6
100YR-072HR	Basin 3	BASE	59.00	96.79	97.60	14758	5.20	4.63	4.9	3.7
100YR-072HR	Basin 3	BASE	59.25	96.83	97.60	14800	5.21	4.72	5.0	3.8
100YR-072HR	Basin 3	BASE	59.50	96.85	97.60	14836	5.21	4.80	5.1	3.9
100YR-072HR	Basin 3	BASE	59.75	96.88	97.60	14866	5.21	4.87	5.2	4.0
100YR-072HR	Basin 3	BASE	60.00	96.89	97.60	14889	5.18	4.92	5.3	4.1
100YR-072HR	Basin 3	BASE	60.25	96.87	97.60	14861	3.88	4.85	5.4	4.2
100YR-072HR	Basin 3	BASE	60.51	96.80	97.60	14772	3.54	4.64	5.5	4.3
100YR-072HR	Basin 3	BASE	60.75	96.74	97.60	14692	3.51	4.45	5.5	4.4
100YR-072HR	Basin 3	BASE	61.00	96.69	97.60	14624	3.51	4.30	5.6	4.5
100YR-072HR	Basin 3	BASE	61.25	96.65	97.60	14565	3.51	4.16	5.7	4.6
100YR-072HR	Basin 3	BASE	61.51	96.61	97.60	14516	3.51	4.06	5.8	4.7
100YR-072HR	Basin 3	BASE	61.76	96.58	97.60	14475	3.51	3.97	5.8	4.8
100YR-072HR	Basin 3	BASE	62.00	96.55	97.60	14442	3.52	3.90	5.9	4.8
100YR-072HR	Basin 3	BASE	62.25	96.53	97.60	14413	3.52	3.84	6.0	4.9
100YR-072HR	Basin 3	BASE	62.51	96.51	97.60	14389	3.52	3.79	6.0	5.0
100YR-072HR	Basin 3	BASE	62.76	96.50	97.60	14368	3.52	3.74	6.1	5.1
100YR-072HR	Basin 3	BASE	63.00	96.48	97.60	14352	3.52	3.71	6.2	5.1
100YR-072HR	Basin 3	BASE	63.25	96.47	97.60	14338	3.52	3.68	6.3	5.2
100YR-072HR	Basin 3	BASE	63.51	96.46	97.60	14326	3.52	3.66	6.3	5.3
100YR-072HR	Basin 3	BASE	63.76	96.45	97.60	14316	3.53	3.64	6.4	5.4
100YR-072HR	Basin 3	BASE	64.00	96.45	97.60	14308	3.53	3.62	6.5	5.4
100YR-072HR	Basin 3	BASE	64.25	96.41	97.60	14257	2.32	3.51	6.5	5.5
100YR-072HR	Basin 3	BASE	64.51	96.32	97.60	14143	1.84	3.28	6.6	5.6
100YR-072HR	Basin 3	BASE	64.76	96.23	97.60	14021	1.64	3.05	6.6	5.7
100YR-072HR	Basin 3	BASE	65.00	96.15	97.60	13911	1.54	2.84	6.7	5.7
100YR-072HR	Basin 3	BASE	65.25	96.06	97.60	13805	1.49	2.66	6.7	5.8
100YR-072HR	Basin 3	BASE	65.51	95.99	97.60	13710	1.47	2.48	6.7	5.8
100YR-072HR	Basin 3	BASE	65.76	95.93	97.60	13628	1.46	2.33	6.7	5.9
100YR-072HR	Basin 3	BASE	66.00	95.88	97.60	13561	1.45	2.20	6.8	5.9
100YR-072HR	Basin 3	BASE	66.25	95.83	97.60	13500	1.45	2.09	6.8	6.0
100YR-072HR	Basin 3	BASE	66.50	95.79	97.60	13447	1.45	2.00	6.8	6.0
100YR-072HR	Basin 3	BASE	66.75	95.76	97.60	13402	1.45	1.92	6.9	6.0
100YR-072HR	Basin 3	BASE	67.00	95.73	97.60	13363	1.45	1.86	6.9	6.1
100YR-072HR	Basin 3	BASE	67.25	95.70	97.60	13329	1.45	1.81	6.9	6.1
100YR-072HR	Basin 3	BASE	67.50	95.68	97.60	13299	1.45	1.76	7.0	6.2
100YR-072HR	Basin 3	BASE	67.75	95.66	97.60	13273	1.45	1.72	7.0	6.2
100YR-072HR	Basin 3	BASE	68.00	95.64	97.60	13250	1.44	1.69	7.0	6.2
100YR-072HR	Basin 3	BASE	68.25	95.61	97.60	13215	1.06	1.63	7.0	6.3
100YR-072HR	Basin 3	BASE	68.50	95.57	97.60	13157	0.85	1.55	7.1	6.3
100YR-072HR	Basin 3	BASE	68.75	95.52	97.60	13092	0.74	1.47	7.1	6.3
100YR-072HR	Basin 3	BASE	69.00	95.47	97.60	13025	0.68	1.41	7.1	6.4
100YR-072HR	Basin 3	BASE	69.25	95.42	97.60	12960	0.64	1.35	7.1	6.4
100YR-072HR	Basin 3	BASE	69.50	95.37	97.60	12898	0.62	1.29	7.1	6.4
100YR-072HR	Basin 3	BASE	69.75	95.33	97.60	12839	0.61	1.23	7.1	6.4
100YR-072HR	Basin 3	BASE	70.00	95.28	97.60	12785	0.60	1.17	7.1	6.5
100YR-072HR	Basin 3	BASE	70.25	95.25	97.60	12735	0.60	1.11	7.2	6.5
100YR-072HR	Basin 3	BASE	70.50	95.21	97.60	12690	0.59	1.06	7.2	6.5
100YR-072HR	Basin 3	BASE	70.75	95.18	97.60	12649	0.59	1.01	7.2	6.5
100YR-072HR	Basin 3	BASE	71.00	95.15	97.60	12612	0.59	0.96	7.2	6.6
100YR-072HR	Basin 3	BASE	71.25	95.13	97.60	12579	0.59	0.92	7.2	6.6
100YR-072HR	Basin 3	BASE	71.50	95.10	97.60	12550	0.59	0.88	7.2	6.6
100YR-072HR	Basin 3	BASE	71.75	95.08	97.60	12525	0.59	0.84	7.2	6.6
100YR-072HR	Basin 3	BASE	72.00	95.07	97.60	12503	0.59	0.81	7.2	6.6
100YR-072HR	Basin 3	BASE	72.25	95.04	97.60	12472	0.31	0.75	7.2	6.6
100YR-072HR	Basin 3	BASE	72.50	95.01	97.60	12428	0.17	0.65	7.3	6.7
100YR-072HR	Basin 3	BASE	72.75	94.98	97.60	12384	0.09	0.53	7.3	6.7
100YR-072HR	Basin 3	BASE	73.00	94.95	97.60	12344	0.04	0.43	7.3	6.7
100YR-072HR	Basin 3	BASE	73.25	94.92	97.60	12310	0.02	0.35	7.3	6.7
100YR-072HR	Basin 3	BASE	73.50	94.90	97.60	12280	0.00	0.29	7.3	6.7
100YR-072HR	Basin 3	BASE	73.75	94.88	97.60	12254	0.00	0.23	7.3	6.7
100YR-072HR	Basin 3	BASE	74.00	94.86	97.60	12231	0.00	0.20	7.3	6.7
100YR-072HR	Basin 3	BASE	74.25	94.85	97.60	12218	0.00	0.17	7.3	6.7
100YR-072HR	Basin 3	BASE	74.50	94.84	97.60	12203	0.00	0.14	7.3	6.7
100YR-072HR	Basin 3	BASE	74.75	94.83	97.60	12190	0.00	0.12	7.3	6.7
100YR-072HR	Basin 3	BASE	75.00	94.82	97.60	12179	0.00	0.11	7.3	6.7
100YR-072HR	Basin 3	BASE	75.25	94.81	97.60	12170	0.00	0.09	7.3	6.7
100YR-072HR	Basin 3	BASE	75.50	94.81	97.60	12161	0.00	0.08	7.3	6.7
100YR-072HR	Basin 3	BASE	75.75	94.80	97.60	12154	0.00	0.07	7.3	6.7
100YR-072HR	Basin 3	BASE	76.00	94.80	97.60	12147	0.00	0.06	7.3	6.7
100YR-072HR	Basin 3	BASE	76.25	94.79	97.60	12142	0.00	0.06	7.3	6.7
100YR-072HR	Basin 3	BASE	76.50	94.79	97.60	12136	0.00	0.05	7.3	6.7

HALF VOLUME RECOVERED

RECOVERY - BASIN 3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-072HR	Basin 3	BASE	608.00	93.02	97.60	9617	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	608.25	93.02	97.60	9616	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	608.50	93.02	97.60	9615	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	608.75	93.02	97.60	9614	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	609.00	93.02	97.60	9613	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	609.25	93.02	97.60	9613	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	609.50	93.02	97.60	9612	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	609.75	93.02	97.60	9611	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	610.00	93.02	97.60	9610	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	610.25	93.01	97.60	9609	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	610.50	93.01	97.60	9608	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	610.75	93.01	97.60	9607	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	611.00	93.01	97.60	9607	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	611.25	93.01	97.60	9606	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	611.50	93.01	97.60	9605	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	611.75	93.01	97.60	9604	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	612.00	93.01	97.60	9603	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	612.25	93.01	97.60	9602	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	612.50	93.01	97.60	9601	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	612.75	93.01	97.60	9601	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	613.00	93.01	97.60	9600	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	613.25	93.01	97.60	9599	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	613.50	93.01	97.60	9598	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	613.75	93.01	97.60	9597	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	614.00	93.01	97.60	9596	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	614.25	93.01	97.60	9596	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	614.50	93.01	97.60	9595	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	614.75	93.01	97.60	9594	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	615.00	93.01	97.60	9593	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	615.25	93.01	97.60	9592	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	615.50	93.00	97.60	9591	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	615.75	93.00	97.60	9590	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	616.00	93.00	97.60	9590	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	616.25	93.00	97.60	9589	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	616.50	93.00	97.60	9588	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	616.75	93.00	97.60	9587	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	617.00	93.00	97.60	9586	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	617.25	93.00	97.60	9585	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	617.50	93.00	97.60	9585	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	617.75	93.00	97.60	9584	0.00	0.01	7.3	7.2
100YR-072HR	Basin 3	BASE	618.00	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	618.25	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	618.50	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	618.75	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	619.00	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	619.25	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	619.50	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	619.75	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	620.00	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	620.25	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	620.50	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	620.75	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	621.00	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	621.25	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	621.50	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	621.75	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	622.00	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	622.25	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	622.50	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	622.75	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	623.00	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	623.25	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	623.50	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	623.75	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	624.00	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	624.25	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	624.50	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	624.75	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	625.00	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	625.25	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	625.50	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	625.75	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	626.00	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	626.25	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	626.50	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	626.75	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	627.00	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	627.25	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	627.50	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	627.75	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	628.00	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	628.25	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	628.50	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	628.75	93.00	97.60	9583	0.00	0.00	7.3	7.2
100YR-072HR	Basin 3	BASE	629.00	93.00	97.60	9583	0.00	0.00	7.3	7.2

FULL VOLUME RECOVERED

RECOVERY - BASIN 3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-168HR	Basin 3	BASE	155.25	96.43	97.60	14282	4.04	3.58	6.8	5.8
100YR-168HR	Basin 3	BASE	155.51	96.46	97.60	14318	4.04	3.65	6.9	5.8
100YR-168HR	Basin 3	BASE	155.75	96.48	97.60	14347	4.04	3.71	7.0	5.9
100YR-168HR	Basin 3	BASE	156.00	96.50	97.60	14373	4.04	3.76	7.0	6.0
100YR-168HR	Basin 3	BASE	156.26	96.52	97.60	14395	4.05	3.80	7.1	6.1
100YR-168HR	Basin 3	BASE	156.50	96.53	97.60	14413	4.05	3.84	7.2	6.1
100YR-168HR	Basin 3	BASE	156.76	96.54	97.60	14429	4.05	3.87	7.3	6.2
100YR-168HR	Basin 3	BASE	157.00	96.55	97.60	14442	4.05	3.90	7.4	6.3
100YR-168HR	Basin 3	BASE	157.25	96.56	97.60	14453	4.05	3.92	7.5	6.4
100YR-168HR	Basin 3	BASE	157.51	96.57	97.60	14463	4.05	3.94	7.5	6.5
100YR-168HR	Basin 3	BASE	157.75	96.57	97.60	14472	4.06	3.96	7.6	6.6
100YR-168HR	Basin 3	BASE	158.00	96.58	97.60	14479	4.06	3.97	7.7	6.6
100YR-168HR	Basin 3	BASE	158.25	96.58	97.60	14485	4.06	3.99	7.8	6.7
100YR-168HR	Basin 3	BASE	158.50	96.59	97.60	14491	4.06	4.00	7.9	6.8
100YR-168HR	Basin 3	BASE	158.76	96.59	97.60	14496	4.06	4.01	8.0	6.9
100YR-168HR	Basin 3	BASE	159.00	96.60	97.60	14500	4.06	4.02	8.0	7.0
100YR-168HR	Basin 3	BASE	159.25	96.60	97.60	14503	4.06	4.02	8.1	7.0
100YR-168HR	Basin 3	BASE	159.51	96.60	97.60	14507	4.07	4.03	8.2	7.1
100YR-168HR	Basin 3	BASE	159.75	96.60	97.60	14509	4.07	4.03	8.3	7.2
100YR-168HR	Basin 3	BASE	160.00	96.60	97.60	14512	4.05	4.04	8.4	7.3
100YR-168HR	Basin 3	BASE	160.25	96.56	97.60	14450	2.27	3.90	8.4	7.4
100YR-168HR	Basin 3	BASE	160.51	96.44	97.60	14292	1.54	3.57	8.5	7.5
100YR-168HR	Basin 3	BASE	160.75	96.31	97.60	14126	1.25	3.23	8.5	7.5
100YR-168HR	Basin 3	BASE	161.00	96.19	97.60	13968	1.11	2.93	8.5	7.6
100YR-168HR	Basin 3	BASE	161.26	96.07	97.60	13818	1.03	2.66	8.6	7.6
100YR-168HR	Basin 3	BASE	161.50	95.97	97.60	13688	0.99	2.42	8.6	7.7
100YR-168HR	Basin 3	BASE	161.75	95.89	97.60	13575	0.97	2.21	8.6	7.7
100YR-168HR	Basin 3	BASE	162.01	95.81	97.60	13472	0.96	2.02	8.6	7.8
100YR-168HR	Basin 3	BASE	162.26	95.74	97.60	13385	0.95	1.88	8.6	7.8
100YR-168HR	Basin 3	BASE	162.51	95.68	97.60	13309	0.94	1.75	8.7	7.9
100YR-168HR	Basin 3	BASE	162.76	95.63	97.60	13241	0.94	1.65	8.7	7.9
100YR-168HR	Basin 3	BASE	163.01	95.59	97.60	13182	0.94	1.57	8.7	7.9
100YR-168HR	Basin 3	BASE	163.26	95.55	97.60	13129	0.94	1.50	8.7	8.0
100YR-168HR	Basin 3	BASE	163.51	95.51	97.60	13081	0.94	1.45	8.7	8.0
100YR-168HR	Basin 3	BASE	163.76	95.48	97.60	13037	0.94	1.41	8.8	8.0
100YR-168HR	Basin 3	BASE	164.01	95.44	97.60	12996	0.94	1.37	8.8	8.1
100YR-168HR	Basin 3	BASE	164.26	95.42	97.60	12958	0.94	1.33	8.8	8.1
100YR-168HR	Basin 3	BASE	164.51	95.39	97.60	12924	0.94	1.30	8.8	8.1
100YR-168HR	Basin 3	BASE	164.76	95.37	97.60	12892	0.94	1.27	8.8	8.1
100YR-168HR	Basin 3	BASE	165.01	95.34	97.60	12863	0.94	1.24	8.9	8.2
100YR-168HR	Basin 3	BASE	165.26	95.32	97.60	12836	0.94	1.22	8.9	8.2
100YR-168HR	Basin 3	BASE	165.51	95.30	97.60	12812	0.94	1.19	8.9	8.2
100YR-168HR	Basin 3	BASE	165.76	95.29	97.60	12789	0.94	1.17	8.9	8.2
100YR-168HR	Basin 3	BASE	166.01	95.27	97.60	12769	0.94	1.15	8.9	8.3
100YR-168HR	Basin 3	BASE	166.26	95.26	97.60	12751	0.94	1.13	9.0	8.3
100YR-168HR	Basin 3	BASE	166.51	95.24	97.60	12734	0.94	1.11	9.0	8.3
100YR-168HR	Basin 3	BASE	166.76	95.23	97.60	12719	0.94	1.09	9.0	8.3
100YR-168HR	Basin 3	BASE	167.01	95.22	97.60	12706	0.94	1.08	9.0	8.4
100YR-168HR	Basin 3	BASE	167.26	95.21	97.60	12694	0.94	1.06	9.0	8.4
100YR-168HR	Basin 3	BASE	167.51	95.21	97.60	12683	0.94	1.05	9.1	8.4
100YR-168HR	Basin 3	BASE	167.76	95.20	97.60	12673	0.94	1.04	9.1	8.4
100YR-168HR	Basin 3	BASE	168.01	95.19	97.60	12664	0.93	1.03	9.1	8.4
100YR-168HR	Basin 3	BASE	168.26	95.17	97.60	12638	0.51	0.99	9.1	8.5
100YR-168HR	Basin 3	BASE	168.51	95.13	97.60	12585	0.28	0.92	9.1	8.5
100YR-168HR	Basin 3	BASE	168.76	95.08	97.60	12523	0.17	0.83	9.1	8.5
100YR-168HR	Basin 3	BASE	169.01	95.04	97.60	12463	0.10	0.72	9.1	8.5
100YR-168HR	Basin 3	BASE	169.26	95.00	97.60	12409	0.06	0.59	9.1	8.5
100YR-168HR	Basin 3	BASE	169.51	94.96	97.60	12363	0.04	0.47	9.1	8.5
100YR-168HR	Basin 3	BASE	169.76	94.93	97.60	12326	0.02	0.38	9.1	8.6
100YR-168HR	Basin 3	BASE	170.01	94.91	97.60	12294	0.01	0.31	9.1	8.6
100YR-168HR	Basin 3	BASE	170.26	94.89	97.60	12268	0.00	0.25	9.1	8.6
100YR-168HR	Basin 3	BASE	170.51	94.87	97.60	12246	0.00	0.21	9.1	8.6
100YR-168HR	Basin 3	BASE	170.76	94.86	97.60	12228	0.00	0.17	9.1	8.6
100YR-168HR	Basin 3	BASE	171.01	94.85	97.60	12212	0.00	0.15	9.1	8.6
100YR-168HR	Basin 3	BASE	171.26	94.84	97.60	12199	0.00	0.13	9.1	8.6
100YR-168HR	Basin 3	BASE	171.51	94.83	97.60	12188	0.00	0.11	9.1	8.6
100YR-168HR	Basin 3	BASE	171.76	94.82	97.60	12178	0.00	0.09	9.1	8.6
100YR-168HR	Basin 3	BASE	172.01	94.81	97.60	12170	0.00	0.08	9.1	8.6
100YR-168HR	Basin 3	BASE	172.26	94.81	97.60	12162	0.00	0.07	9.1	8.6
100YR-168HR	Basin 3	BASE	172.51	94.80	97.60	12155	0.00	0.06	9.1	8.6
100YR-168HR	Basin 3	BASE	172.76	94.80	97.60	12147	0.00	0.06	9.1	8.6
100YR-168HR	Basin 3	BASE	173.01	94.79	97.60	12143	0.00	0.05	9.1	8.6
100YR-168HR	Basin 3	BASE	173.26	94.79	97.60	12139	0.00	0.05	9.1	8.6
100YR-168HR	Basin 3	BASE	173.51	94.79	97.60	12135	0.00	0.04	9.1	8.6
100YR-168HR	Basin 3	BASE	173.76	94.78	97.60	12131	0.00	0.04	9.1	8.6
100YR-168HR	Basin 3	BASE	174.01	94.78	97.60	12127	0.00	0.04	9.1	8.6
100YR-168HR	Basin 3	BASE	174.26	94.78	97.60	12124	0.00	0.03	9.1	8.6
100YR-168HR	Basin 3	BASE	174.51	94.78	97.60	12121	0.00	0.03	9.1	8.6
100YR-168HR	Basin 3	BASE	174.76	94.77	97.60	12118	0.00	0.03	9.1	8.6
100YR-168HR	Basin 3	BASE	175.01	94.77	97.60	12116	0.00	0.03	9.1	8.6
100YR-168HR	Basin 3	BASE	175.26	94.77	97.60	12113	0.00	0.02	9.1	8.6
100YR-168HR	Basin 3	BASE	175.51	94.77	97.60	12111	0.00	0.02	9.1	8.6
100YR-168HR	Basin 3	BASE	175.76	94.77	97.60	12109	0.00	0.02	9.1	8.6
100YR-168HR	Basin 3	BASE	176.01	94.76	97.60	12107	0.00	0.02	9.1	8.6
100YR-168HR	Basin 3	BASE	176.26	94.76	97.60	12105	0.00	0.02	9.1	8.6

HALF VOLUME RECOVERED

RECOVERY - BASIN 3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-168HR	Basin 3	BASE	835.26	93.02	97.60	9619	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	835.51	93.02	97.60	9618	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	835.76	93.02	97.60	9618	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	836.01	93.02	97.60	9617	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	836.26	93.02	97.60	9616	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	836.51	93.02	97.60	9616	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	836.76	93.02	97.60	9615	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	837.01	93.02	97.60	9614	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	837.26	93.02	97.60	9614	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	837.51	93.02	97.60	9613	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	837.76	93.02	97.60	9612	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	838.01	93.02	97.60	9611	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	838.26	93.02	97.60	9611	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	838.51	93.02	97.60	9610	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	838.76	93.01	97.60	9609	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	839.01	93.01	97.60	9609	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	839.26	93.01	97.60	9608	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	839.51	93.01	97.60	9607	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	839.76	93.01	97.60	9606	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	840.01	93.01	97.60	9606	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	840.26	93.01	97.60	9605	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	840.51	93.01	97.60	9604	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	840.76	93.01	97.60	9604	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	841.01	93.01	97.60	9603	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	841.26	93.01	97.60	9602	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	841.51	93.01	97.60	9602	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	841.76	93.01	97.60	9601	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	842.01	93.01	97.60	9600	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	842.26	93.01	97.60	9599	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	842.51	93.01	97.60	9599	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	842.76	93.01	97.60	9598	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	843.01	93.01	97.60	9597	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	843.26	93.01	97.60	9597	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	843.51	93.01	97.60	9596	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	843.76	93.01	97.60	9595	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	844.01	93.01	97.60	9594	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	844.26	93.01	97.60	9594	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	844.51	93.01	97.60	9593	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	844.76	93.01	97.60	9592	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	845.01	93.00	97.60	9592	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	845.26	93.00	97.60	9591	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	845.51	93.00	97.60	9590	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	845.76	93.00	97.60	9590	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	846.01	93.00	97.60	9589	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	846.26	93.00	97.60	9589	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	846.51	93.00	97.60	9588	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	846.76	93.00	97.60	9587	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	847.01	93.00	97.60	9586	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	847.26	93.00	97.60	9585	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	847.51	93.00	97.60	9585	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	847.76	93.00	97.60	9584	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	848.01	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	848.26	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	848.51	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	848.76	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	849.01	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	849.26	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	849.51	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	849.76	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	850.01	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	850.26	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	850.51	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	850.76	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	851.01	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	851.26	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	851.51	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	851.76	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	852.01	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	852.26	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	852.51	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	852.76	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	853.01	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	853.26	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	853.51	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	853.76	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	854.01	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	854.26	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	854.51	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	854.76	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	855.01	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	855.26	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	855.51	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	855.76	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	856.01	93.00	97.60	9583	0.00	0.00	9.1	9.0
100YR-168HR	Basin 3	BASE	856.26	93.00	97.60	9583	0.00	0.00	9.1	9.0

FULL VOLUME RECOVERED

RECOVERY - BASIN 3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-240HR	Basin 3	BASE	180.25	96.82	97.60	14791	4.90	4.67	5.5	4.3
100YR-240HR	Basin 3	BASE	180.50	96.83	97.60	14808	4.90	4.71	5.6	4.4
100YR-240HR	Basin 3	BASE	180.75	96.84	97.60	14822	4.91	4.74	5.7	4.5
100YR-240HR	Basin 3	BASE	181.00	96.85	97.60	14834	4.91	4.77	5.8	4.6
100YR-240HR	Basin 3	BASE	181.25	96.86	97.60	14845	4.91	4.79	5.9	4.7
100YR-240HR	Basin 3	BASE	181.50	96.87	97.60	14854	4.92	4.81	6.0	4.8
100YR-240HR	Basin 3	BASE	181.75	96.87	97.60	14861	4.92	4.83	6.1	4.9
100YR-240HR	Basin 3	BASE	182.00	96.88	97.60	14868	4.92	4.84	6.2	5.0
100YR-240HR	Basin 3	BASE	182.25	96.88	97.60	14873	4.92	4.86	6.3	5.1
100YR-240HR	Basin 3	BASE	182.50	96.89	97.60	14878	4.99	4.87	6.4	5.2
100YR-240HR	Basin 3	BASE	182.76	96.91	97.60	14914	5.67	4.95	6.5	5.3
100YR-240HR	Basin 3	BASE	183.00	96.96	97.60	14978	5.98	5.10	6.6	5.4
100YR-240HR	Basin 3	BASE	183.26	97.01	97.60	15047	6.10	5.26	6.7	5.5
100YR-240HR	Basin 3	BASE	183.51	97.06	97.60	15109	6.13	5.40	6.9	5.6
100YR-240HR	Basin 3	BASE	183.75	97.10	97.60	15161	6.13	5.51	7.0	5.7
100YR-240HR	Basin 3	BASE	184.00	97.14	97.60	15205	6.12	5.61	7.1	5.9
100YR-240HR	Basin 3	BASE	184.25	97.12	97.60	15181	4.40	5.55	7.2	6.0
100YR-240HR	Basin 3	BASE	184.51	97.03	97.60	15071	3.72	5.29	7.3	6.1
100YR-240HR	Basin 3	BASE	184.75	96.93	97.60	14941	3.18	4.99	7.4	6.2
100YR-240HR	Basin 3	BASE	185.00	96.81	97.60	14783	2.42	4.62	7.4	6.3
100YR-240HR	Basin 3	BASE	185.26	96.67	97.60	14596	1.87	4.20	7.5	6.4
100YR-240HR	Basin 3	BASE	185.50	96.53	97.60	14413	1.58	3.80	7.5	6.5
100YR-240HR	Basin 3	BASE	185.75	96.40	97.60	14240	1.43	3.44	7.6	6.5
100YR-240HR	Basin 3	BASE	186.01	96.27	97.60	14080	1.36	3.13	7.6	6.6
100YR-240HR	Basin 3	BASE	186.26	96.17	97.60	13942	1.32	2.87	7.6	6.7
100YR-240HR	Basin 3	BASE	186.50	96.08	97.60	13820	1.30	2.66	7.6	6.7
100YR-240HR	Basin 3	BASE	186.75	95.99	97.60	13712	1.29	2.46	7.7	6.8
100YR-240HR	Basin 3	BASE	187.00	95.92	97.60	13618	1.28	2.28	7.7	6.8
100YR-240HR	Basin 3	BASE	187.26	95.86	97.60	13535	1.28	2.13	7.7	6.9
100YR-240HR	Basin 3	BASE	187.51	95.80	97.60	13466	1.28	2.01	7.8	6.9
100YR-240HR	Basin 3	BASE	187.75	95.76	97.60	13408	1.28	1.91	7.8	7.0
100YR-240HR	Basin 3	BASE	188.00	95.72	97.60	13355	1.27	1.83	7.8	7.0
100YR-240HR	Basin 3	BASE	188.25	95.68	97.60	13310	1.27	1.76	7.8	7.0
100YR-240HR	Basin 3	BASE	188.50	95.65	97.60	13270	1.27	1.70	7.9	7.1
100YR-240HR	Basin 3	BASE	188.75	95.63	97.60	13235	1.27	1.64	7.9	7.1
100YR-240HR	Basin 3	BASE	189.00	95.60	97.60	13204	1.27	1.60	7.9	7.1
100YR-240HR	Basin 3	BASE	189.25	95.58	97.60	13176	1.27	1.56	7.9	7.2
100YR-240HR	Basin 3	BASE	189.50	95.56	97.60	13151	1.27	1.53	8.0	7.2
100YR-240HR	Basin 3	BASE	189.75	95.55	97.60	13130	1.27	1.50	8.0	7.2
100YR-240HR	Basin 3	BASE	190.00	95.53	97.60	13110	1.27	1.48	8.0	7.3
100YR-240HR	Basin 3	BASE	190.25	95.52	97.60	13092	1.27	1.46	8.0	7.3
100YR-240HR	Basin 3	BASE	190.50	95.51	97.60	13076	1.27	1.44	8.1	7.3
100YR-240HR	Basin 3	BASE	190.75	95.49	97.60	13061	1.27	1.43	8.1	7.4
100YR-240HR	Basin 3	BASE	191.00	95.48	97.60	13047	1.27	1.42	8.1	7.4
100YR-240HR	Basin 3	BASE	191.25	95.47	97.60	13035	1.27	1.41	8.1	7.4
100YR-240HR	Basin 3	BASE	191.50	95.47	97.60	13023	1.27	1.40	8.2	7.4
100YR-240HR	Basin 3	BASE	191.75	95.46	97.60	13012	1.27	1.39	8.2	7.5
100YR-240HR	Basin 3	BASE	192.00	95.45	97.60	13002	1.27	1.38	8.2	7.5
100YR-240HR	Basin 3	BASE	192.25	95.44	97.60	12984	1.06	1.36	8.2	7.5
100YR-240HR	Basin 3	BASE	192.50	95.41	97.60	12951	0.93	1.33	8.3	7.6
100YR-240HR	Basin 3	BASE	192.75	95.38	97.60	12914	0.87	1.29	8.3	7.6
100YR-240HR	Basin 3	BASE	193.00	95.35	97.60	12875	0.83	1.26	8.3	7.6
100YR-240HR	Basin 3	BASE	193.25	95.32	97.60	12837	0.81	1.22	8.3	7.6
100YR-240HR	Basin 3	BASE	193.50	95.30	97.60	12802	0.80	1.18	8.3	7.7
100YR-240HR	Basin 3	BASE	193.75	95.27	97.60	12768	0.80	1.14	8.4	7.7
100YR-240HR	Basin 3	BASE	194.00	95.25	97.60	12738	0.79	1.11	8.4	7.7
100YR-240HR	Basin 3	BASE	194.25	95.23	97.60	12710	0.79	1.08	8.4	7.7
100YR-240HR	Basin 3	BASE	194.50	95.21	97.60	12685	0.79	1.05	8.4	7.8
100YR-240HR	Basin 3	BASE	194.75	95.19	97.60	12662	0.79	1.02	8.4	7.8
100YR-240HR	Basin 3	BASE	195.00	95.17	97.60	12642	0.79	0.99	8.4	7.8
100YR-240HR	Basin 3	BASE	195.25	95.16	97.60	12623	0.79	0.97	8.5	7.8
100YR-240HR	Basin 3	BASE	195.50	95.15	97.60	12607	0.79	0.95	8.5	7.8
100YR-240HR	Basin 3	BASE	195.75	95.14	97.60	12593	0.79	0.93	8.5	7.9
100YR-240HR	Basin 3	BASE	196.00	95.13	97.60	12580	0.79	0.91	8.5	7.9
100YR-240HR	Basin 3	BASE	196.25	95.12	97.60	12569	0.79	0.90	8.5	7.9
100YR-240HR	Basin 3	BASE	196.50	95.11	97.60	12559	0.79	0.89	8.5	7.9
100YR-240HR	Basin 3	BASE	196.75	95.10	97.60	12550	0.79	0.87	8.6	7.9
100YR-240HR	Basin 3	BASE	197.00	95.10	97.60	12542	0.79	0.86	8.6	7.9
100YR-240HR	Basin 3	BASE	197.25	95.09	97.60	12536	0.79	0.85	8.6	8.0
100YR-240HR	Basin 3	BASE	197.50	95.09	97.60	12530	0.79	0.84	8.6	8.0
100YR-240HR	Basin 3	BASE	197.75	95.08	97.60	12525	0.79	0.84	8.6	8.0
100YR-240HR	Basin 3	BASE	198.00	95.08	97.60	12521	0.79	0.83	8.6	8.0
100YR-240HR	Basin 3	BASE	198.25	95.08	97.60	12517	0.79	0.83	8.6	8.0
100YR-240HR	Basin 3	BASE	198.50	95.08	97.60	12514	0.79	0.82	8.7	8.1
100YR-240HR	Basin 3	BASE	198.75	95.07	97.60	12511	0.79	0.82	8.7	8.1
100YR-240HR	Basin 3	BASE	199.00	95.07	97.60	12508	0.79	0.81	8.7	8.1
100YR-240HR	Basin 3	BASE	199.25	95.07	97.60	12506	0.79	0.81	8.7	8.1
100YR-240HR	Basin 3	BASE	199.50	95.07	97.60	12504	0.79	0.81	8.7	8.1
100YR-240HR	Basin 3	BASE	199.75	95.07	97.60	12502	0.79	0.80	8.7	8.1
100YR-240HR	Basin 3	BASE	200.00	95.07	97.60	12501	0.79	0.80	8.8	8.2
100YR-240HR	Basin 3	BASE	200.25	95.06	97.60	12500	0.79	0.80	8.8	8.2
100YR-240HR	Basin 3	BASE	200.50	95.06	97.60	12498	0.79	0.80	8.8	8.2
100YR-240HR	Basin 3	BASE	200.75	95.06	97.60	12497	0.79	0.80	8.8	8.2
100YR-240HR	Basin 3	BASE	201.00	95.06	97.60	12496	0.79	0.80	8.8	8.2
100YR-240HR	Basin 3	BASE	201.25	95.06	97.60	12495	0.79	0.79	8.8	8.2

HALF VOLUME RECOVERED

RECOVERY - BASIN 3

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
100YR-240HR	Basin 3	BASE	222.75	94.90	97.60	12278	0.28	0.28	10.0	9.4
100YR-240HR	Basin 3	BASE	223.00	94.90	97.60	12278	0.28	0.28	10.0	9.4
100YR-240HR	Basin 3	BASE	223.25	94.90	97.60	12278	0.28	0.28	10.0	9.5
100YR-240HR	Basin 3	BASE	223.50	94.90	97.60	12277	0.28	0.28	10.0	9.5
100YR-240HR	Basin 3	BASE	223.75	94.89	97.60	12277	0.28	0.28	10.0	9.5
100YR-240HR	Basin 3	BASE	224.00	94.89	97.60	12277	0.28	0.28	10.0	9.5
100YR-240HR	Basin 3	BASE	224.25	94.89	97.60	12277	0.28	0.28	10.0	9.5
100YR-240HR	Basin 3	BASE	224.50	94.89	97.60	12277	0.28	0.28	10.0	9.5
100YR-240HR	Basin 3	BASE	224.75	94.89	97.60	12277	0.28	0.28	10.0	9.5
100YR-240HR	Basin 3	BASE	225.00	94.89	97.60	12277	0.28	0.28	10.1	9.5
100YR-240HR	Basin 3	BASE	225.25	94.89	97.60	12276	0.28	0.28	10.1	9.5
100YR-240HR	Basin 3	BASE	225.50	94.89	97.60	12276	0.28	0.28	10.1	9.5
100YR-240HR	Basin 3	BASE	225.75	94.89	97.60	12276	0.28	0.28	10.1	9.5
100YR-240HR	Basin 3	BASE	226.00	94.89	97.60	12276	0.28	0.28	10.1	9.5
100YR-240HR	Basin 3	BASE	226.25	94.89	97.60	12276	0.28	0.28	10.1	9.5
100YR-240HR	Basin 3	BASE	226.50	94.89	97.60	12276	0.28	0.28	10.1	9.5
100YR-240HR	Basin 3	BASE	226.75	94.89	97.60	12276	0.28	0.28	10.1	9.5
100YR-240HR	Basin 3	BASE	227.00	94.89	97.60	12276	0.28	0.28	10.1	9.5
100YR-240HR	Basin 3	BASE	227.25	94.89	97.60	12276	0.28	0.28	10.1	9.5
100YR-240HR	Basin 3	BASE	227.50	94.89	97.60	12276	0.28	0.28	10.1	9.5
100YR-240HR	Basin 3	BASE	227.75	94.89	97.60	12276	0.28	0.28	10.1	9.6
100YR-240HR	Basin 3	BASE	228.00	94.89	97.60	12276	0.28	0.28	10.1	9.6
100YR-240HR	Basin 3	BASE	228.25	94.89	97.60	12276	0.28	0.28	10.1	9.6
100YR-240HR	Basin 3	BASE	228.50	94.89	97.60	12276	0.28	0.28	10.1	9.6
100YR-240HR	Basin 3	BASE	228.75	94.89	97.60	12276	0.28	0.28	10.1	9.6
100YR-240HR	Basin 3	BASE	229.00	94.89	97.60	12276	0.28	0.28	10.1	9.6
100YR-240HR	Basin 3	BASE	229.25	94.89	97.60	12276	0.28	0.28	10.1	9.6
100YR-240HR	Basin 3	BASE	229.50	94.89	97.60	12276	0.28	0.28	10.2	9.6
100YR-240HR	Basin 3	BASE	229.75	94.89	97.60	12276	0.28	0.28	10.2	9.6
100YR-240HR	Basin 3	BASE	230.00	94.89	97.60	12276	0.28	0.28	10.2	9.6
100YR-240HR	Basin 3	BASE	230.25	94.89	97.60	12276	0.28	0.28	10.2	9.6
100YR-240HR	Basin 3	BASE	230.50	94.89	97.60	12276	0.28	0.28	10.2	9.6
100YR-240HR	Basin 3	BASE	230.75	94.89	97.60	12276	0.28	0.28	10.2	9.6
100YR-240HR	Basin 3	BASE	231.00	94.89	97.60	12276	0.28	0.28	10.2	9.6
100YR-240HR	Basin 3	BASE	231.25	94.89	97.60	12276	0.28	0.28	10.2	9.6
100YR-240HR	Basin 3	BASE	231.50	94.89	97.60	12276	0.28	0.28	10.2	9.6
100YR-240HR	Basin 3	BASE	231.75	94.89	97.60	12276	0.28	0.28	10.2	9.6
100YR-240HR	Basin 3	BASE	232.00	94.89	97.60	12276	0.28	0.28	10.2	9.7
100YR-240HR	Basin 3	BASE	232.25	94.89	97.60	12276	0.29	0.28	10.2	9.7
100YR-240HR	Basin 3	BASE	232.50	94.89	97.60	12277	0.29	0.28	10.2	9.7
100YR-240HR	Basin 3	BASE	232.75	94.90	97.60	12279	0.30	0.28	10.2	9.7
100YR-240HR	Basin 3	BASE	233.00	94.90	97.60	12280	0.30	0.29	10.2	9.7
100YR-240HR	Basin 3	BASE	233.25	94.90	97.60	12281	0.30	0.29	10.2	9.7
100YR-240HR	Basin 3	BASE	233.50	94.90	97.60	12282	0.30	0.29	10.2	9.7
100YR-240HR	Basin 3	BASE	233.75	94.90	97.60	12283	0.30	0.29	10.3	9.7
100YR-240HR	Basin 3	BASE	234.00	94.90	97.60	12284	0.30	0.29	10.3	9.7
100YR-240HR	Basin 3	BASE	234.25	94.90	97.60	12285	0.30	0.30	10.3	9.7
100YR-240HR	Basin 3	BASE	234.50	94.90	97.60	12285	0.30	0.30	10.3	9.7
100YR-240HR	Basin 3	BASE	234.75	94.90	97.60	12286	0.30	0.30	10.3	9.7
100YR-240HR	Basin 3	BASE	235.00	94.90	97.60	12286	0.30	0.30	10.3	9.7
100YR-240HR	Basin 3	BASE	235.25	94.90	97.60	12287	0.30	0.30	10.3	9.7
100YR-240HR	Basin 3	BASE	235.50	94.90	97.60	12287	0.30	0.30	10.3	9.7
100YR-240HR	Basin 3	BASE	235.75	94.90	97.60	12287	0.30	0.30	10.3	9.7
100YR-240HR	Basin 3	BASE	236.00	94.90	97.60	12288	0.30	0.30	10.3	9.7
100YR-240HR	Basin 3	BASE	236.25	94.90	97.60	12288	0.30	0.30	10.3	9.8
100YR-240HR	Basin 3	BASE	236.50	94.90	97.60	12288	0.30	0.30	10.3	9.8
100YR-240HR	Basin 3	BASE	236.75	94.90	97.60	12288	0.30	0.30	10.3	9.8
100YR-240HR	Basin 3	BASE	237.00	94.90	97.60	12288	0.30	0.30	10.3	9.8
100YR-240HR	Basin 3	BASE	237.25	94.90	97.60	12288	0.30	0.30	10.3	9.8
100YR-240HR	Basin 3	BASE	237.50	94.90	97.60	12288	0.30	0.30	10.3	9.8
100YR-240HR	Basin 3	BASE	237.75	94.90	97.60	12288	0.31	0.30	10.4	9.8
100YR-240HR	Basin 3	BASE	238.00	94.90	97.60	12289	0.31	0.30	10.4	9.8
100YR-240HR	Basin 3	BASE	238.25	94.90	97.60	12289	0.31	0.30	10.4	9.8
100YR-240HR	Basin 3	BASE	238.50	94.90	97.60	12289	0.31	0.30	10.4	9.8
100YR-240HR	Basin 3	BASE	238.75	94.90	97.60	12289	0.31	0.30	10.4	9.8
100YR-240HR	Basin 3	BASE	239.00	94.90	97.60	12289	0.31	0.30	10.4	9.8
100YR-240HR	Basin 3	BASE	239.25	94.90	97.60	12289	0.31	0.30	10.4	9.8
100YR-240HR	Basin 3	BASE	239.50	94.90	97.60	12289	0.31	0.30	10.4	9.8
100YR-240HR	Basin 3	BASE	239.75	94.90	97.60	12289	0.31	0.31	10.4	9.8
100YR-240HR	Basin 3	BASE	240.00	94.90	97.60	12289	0.30	0.31	10.4	9.8
100YR-240HR	Basin 3	BASE	240.25	94.90	97.60	12283	0.17	0.29	10.4	9.9
100YR-240HR	Basin 3	BASE	240.50	94.89	97.60	12269	0.10	0.26	10.4	9.9
100YR-240HR	Basin 3	BASE	240.75	94.88	97.60	12253	0.06	0.23	10.4	9.9
100YR-240HR	Basin 3	BASE	241.00	94.86	97.60	12237	0.04	0.20	10.4	9.9
100YR-240HR	Basin 3	BASE	241.25	94.85	97.60	12227	0.02	0.17	10.4	9.9
100YR-240HR	Basin 3	BASE	241.50	94.84	97.60	12220	0.01	0.15	10.4	9.9
100YR-240HR	Basin 3	BASE	241.75	94.83	97.60	12214	0.00	0.13	10.4	9.9
100YR-240HR	Basin 3	BASE	242.00	94.82	97.60	12208	0.00	0.11	10.4	9.9
100YR-240HR	Basin 3	BASE	242.25	94.82	97.60	12202	0.00	0.09	10.4	9.9
100YR-240HR	Basin 3	BASE	242.50	94.81	97.60	12166	0.00	0.08	10.4	9.9
100YR-240HR	Basin 3	BASE	242.75	94.80	97.60	12159	0.00	0.07	10.4	9.9
100YR-240HR	Basin 3	BASE	243.00	94.80	97.60	12152	0.00	0.06	10.4	9.9
100YR-240HR	Basin 3	BASE	243.25	94.79	97.60	12146	0.00	0.06	10.4	9.9
100YR-240HR	Basin 3	BASE	243.50	94.79	97.60	12141	0.00	0.05	10.4	9.9
100YR-240HR	Basin 3	BASE	243.75	94.79	97.60	12136	0.00	0.05	10.4	9.9

INITIAL STAGE FOR BACK TO BACK STORM EVENT

RECOVERY - BASIN 3

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs
Basin 1 (PreTr)	BASE	100YR-240HR	184.08	97.34	97.70	-0.0050	22092	183.91	5.17	182.02
Basin 2	BASE	100YR-240HR	184.08	97.34	97.70	0.0050	12353	182.02	2.30	0.00
Basin 3	BASE	100YR-240HR	184.10	97.19	97.60	-0.0050	14712	184.00	6.19	0.00

MAXIMUM STAGES FOR BACK TO BACK 100YR-240HR STORM EVENT

Attachment J

Stormwater Treatment Manual Table B1-1

Table B1-1. Required Retention Treatment Volumes (in Inches) to Achieve an 80% Average Annual Pollutant Load Reduction in Rainfall Zone 2.

(From Evaluation of Current Stormwater Design Criteria within the State of Florida, Final Report Submitted to the FDEP, June 2007, Harvey Harper and David Baker, Environmental Research and Design, Inc.)

NDCIA CN	Percent DCIA																		
	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
30	0.22	0.24	0.32	0.40	0.46	0.51	0.60	0.67	0.73	0.80	0.87	0.94	1.01	1.08	1.15	1.22	1.29	1.36	1.43
35	0.23	0.24	0.33	0.41	0.46	0.52	0.60	0.67	0.73	0.80	0.88	0.94	1.01	1.08	1.15	1.22	1.29	1.36	1.43
40	0.23	0.26	0.35	0.42	0.47	0.53	0.61	0.68	0.74	0.81	0.88	0.95	1.01	1.09	1.16	1.22	1.29	1.36	1.43
45	0.24	0.28	0.37	0.43	0.48	0.55	0.62	0.69	0.74	0.82	0.89	0.95	1.02	1.09	1.16	1.22	1.29	1.36	1.43
50	0.27	0.32	0.39	0.45	0.49	0.57	0.64	0.70	0.76	0.83	0.90	0.96	1.03	1.10	1.16	1.23	1.30	1.37	1.43
55	0.35	0.38	0.42	0.47	0.52	0.59	0.66	0.71	0.77	0.84	0.91	0.97	1.04	1.11	1.17	1.23	1.30	1.37	1.43
60	0.45	0.44	0.46	0.50	0.56	0.62	0.68	0.73	0.80	0.86	0.93	0.98	1.05	1.11	1.18	1.24	1.30	1.37	1.43
65	0.57	0.52	0.53	0.56	0.61	0.66	0.71	0.76	0.83	0.89	0.95	1.00	1.06	1.13	1.19	1.25	1.31	1.37	1.43
70	0.70	0.65	0.63	0.65	0.68	0.72	0.76	0.81	0.87	0.92	0.97	1.03	1.09	1.14	1.20	1.25	1.31	1.37	1.43
75	0.84	0.78	0.76	0.75	0.77	0.80	0.83	0.88	0.92	0.96	1.01	1.06	1.11	1.17	1.22	1.27	1.32	1.38	1.43
80	0.98	0.92	0.90	0.89	0.89	0.91	0.93	0.96	0.99	1.02	1.07	1.11	1.15	1.20	1.24	1.29	1.34	1.38	1.43
85	1.12	1.07	1.04	1.03	1.02	1.03	1.04	1.06	1.08	1.11	1.14	1.17	1.20	1.24	1.27	1.31	1.35	1.39	1.43
90	1.24	1.21	1.19	1.18	1.17	1.17	1.18	1.19	1.20	1.21	1.23	1.25	1.27	1.30	1.32	1.35	1.38	1.40	1.43
95	1.35	1.34	1.33	1.33	1.32	1.32	1.32	1.33	1.33	1.34	1.34	1.35	1.36	1.37	1.38	1.39	1.41	1.42	1.43
98	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.40	1.40	1.40	1.40	1.41	1.41	1.41	1.42	1.42	1.42	1.43	1.43

Attachment K

Nutrient Removal Calculations

Summary Treatment Report Version: 4.2.3

Project: Tara Esmeralda

Analysis Type: Specified Removal Efficiency

Date:2/1/2021

BMP Types:

- Catchment 1 - (DA-1) Retention
- Catchment 2 - (DA-2) Retention
- Catchment 3 - (DA-3) Retention
- Catchment 4 - (DA-4) None

Routing Summary

Catchment 1 Routed to Catchment 3
Catchment 2 Routed to Outlet
Catchment 3 Routed to Outlet
Catchment 4 Routed to Outlet

Based on % removal values to the nearest percent

Total nitrogen target removal met? **Yes**
Total phosphorus target removal met? **Yes**

Summary Report

Nitrogen

Surface Water Discharge		
Total N pre load	2.78 kg/yr	
Total N post load	13.1 kg/yr	
Target N load reduction	80 %	
Target N discharge load	2.62 kg/yr	
Percent N load reduction	94 %	
Provided N discharge load	.73 kg/yr	1.61 lb/yr
Provided N load removed	12.37 kg/yr	27.27 lb/yr

Phosphorus

Surface Water Discharge		
Total P pre load	.048 kg/yr	
Total P post load	2.069 kg/yr	
Target P load reduction	80 %	
Target P discharge load	.414 kg/yr	
Percent P load reduction	94 %	
Provided P discharge load	.115 kg/yr	.25 lb/yr
Provided P load removed	1.954 kg/yr	4.308 lb/yr

Complete Report (not including cost) Ver 4.2.3

Project: Tara Esmeralda
Date: 2/1/2021 8:54:06 AM

Site and Catchment Information

Analysis: Specified Removal Efficiency

Catchment Name	DA-1	DA-2	DA-3	DA-4
Rainfall Zone	Florida Zone 2	Florida Zone 2	Florida Zone 2	Florida Zone 2
Annual Mean Rainfall	51.00	51.00	51.00	51.00

Pre-Condition Landuse Information

Landuse	Undeveloped - Wet Flatwoods: TN=1.213 TP=0.021	Undeveloped - Wet Flatwoods: TN=1.213 TP=0.021	Undeveloped - Wet Flatwoods: TN=1.213 TP=0.021	Undeveloped - Wet Flatwoods: TN=1.213 TP=0.021
Area (acres)	7.78	0.42	3.13	1.76
Rational Coefficient (0-1)	0.03	0.03	0.03	0.03
Non DCIA Curve Number	61.40	61.40	61.40	61.40
DCIA Percent (0-100)	0.00	0.00	0.00	0.00
Nitrogen EMC (mg/l)	1.213	1.213	1.213	1.213
Phosphorus EMC (mg/l)	0.021	0.021	0.021	0.021
Runoff Volume (ac-ft/yr)	1.103	0.060	0.444	0.250
Nitrogen Loading (kg/yr)	1.650	0.089	0.664	0.373
Phosphorus Loading (kg/yr)	0.029	0.002	0.011	0.006

Post-Condition Landuse Information

Landuse	Single-Family:	Single-Family:	Single-Family:	Single-Family:

	TN=2.070 TP=0.327	TN=2.070 TP=0.327	TN=2.070 TP=0.327	TN=2.070 TP=0.327
Area (acres)	7.78	0.42	3.13	1.76
Rational Coefficient (0-1)	0.10	0.21	0.09	0.03
Non DCIA Curve Number	78.60	88.20	76.00	61.00
DCIA Percent (0-100)	0.00	0.00	0.00	0.00
Wet Pond Area (ac)	0.00	0.00	0.00	0.00
Nitrogen EMC (mg/l)	2.070	2.070	2.070	2.070
Phosphorus EMC (mg/l)	0.327	0.327	0.327	0.327
Runoff Volume (ac-ft/yr)	3.374	0.379	1.136	0.242
Nitrogen Loading (kg/yr)	8.611	0.968	2.900	0.619
Phosphorus Loading (kg/yr)	1.360	0.153	0.458	0.098

Catchment Number: 1 Name: DA-1

Project: Tara Esmeralda
Date: 2/1/2021

Retention Design

Retention Depth (in)	1.060
Retention Volume (ac-ft)	0.687

Watershed Characteristics

Catchment Area (acres)	7.78
Contributing Area (acres)	7.780
Non-DCIA Curve Number	78.60
DCIA Percent	0.00
Rainfall Zone	Florida Zone 2
Rainfall (in)	51.00

Surface Water Discharge

Required TN Treatment Efficiency (%)	80
Provided TN Treatment Efficiency (%)	80
Required TP Treatment Efficiency (%)	80
Provided TP Treatment Efficiency (%)	80

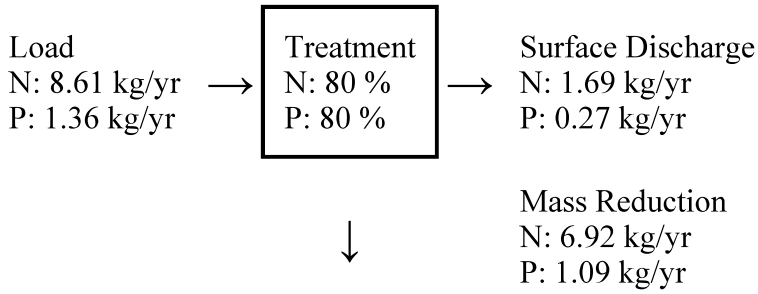
Media Mix Information

Type of Media Mix	Not Specified
Media N Reduction (%)	
Media P Reduction (%)	

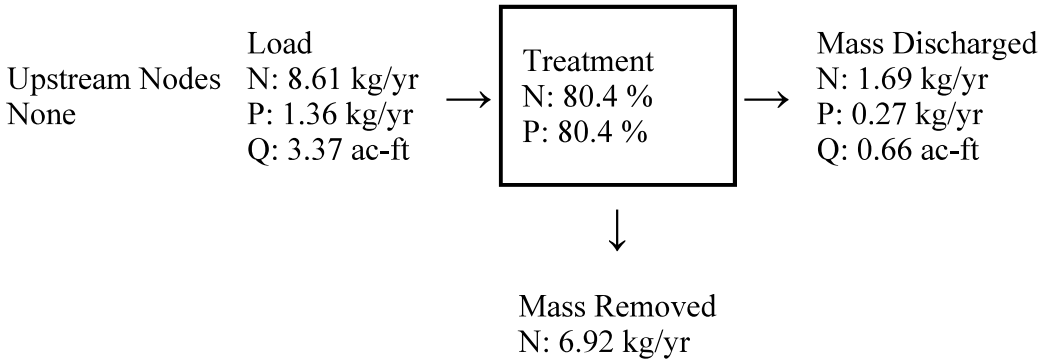
Groundwater Discharge (Stand-Alone)

Treatment Rate (MG/yr)	0.884
TN Mass Load (kg/yr)	6.923
TN Concentration (mg/L)	2.070
TP Mass Load (kg/yr)	1.094
TP Concentration (mg/L)	0.327

Load Diagram for Retention (stand-alone)



Load Diagram for Retention (As Used In Routing)



P: 1.09 kg/yr

Catchment Number: 2 Name: DA-2

Project: Tara Esmeralda
Date: 2/1/2021

Retention Design

Retention Depth (in)	33.150
Retention Volume (ac-ft)	1.160

Watershed Characteristics

Catchment Area (acres)	0.42
Contributing Area (acres)	0.420
Non-DCIA Curve Number	88.20
DCIA Percent	0.00
Rainfall Zone	Florida Zone 2
Rainfall (in)	51.00

Surface Water Discharge

Required TN Treatment Efficiency (%)	80
Provided TN Treatment Efficiency (%)	97
Required TP Treatment Efficiency (%)	80
Provided TP Treatment Efficiency (%)	97

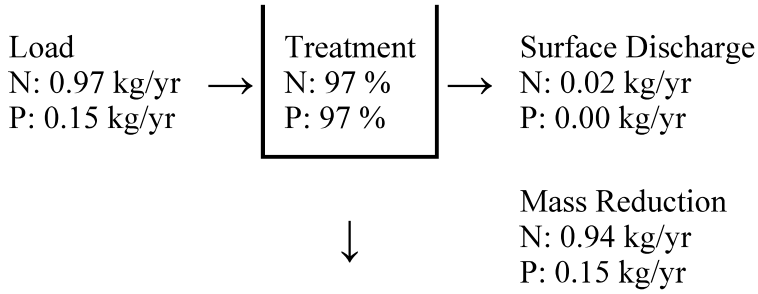
Media Mix Information

Type of Media Mix	Not Specified
Media N Reduction (%)	
Media P Reduction (%)	

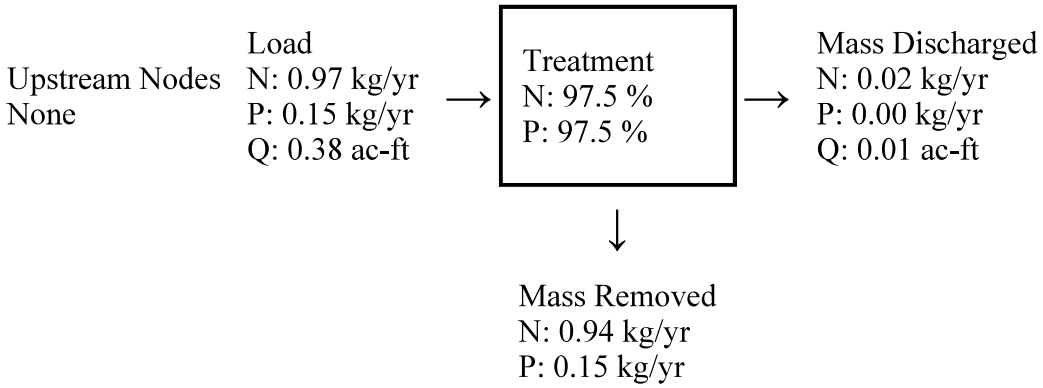
Groundwater Discharge (Stand-Alone)

Treatment Rate (MG/yr)	0.000
TN Mass Load (kg/yr)	0.944
TN Concentration (mg/L)	0.000
TP Mass Load (kg/yr)	0.149
TP Concentration (mg/L)	0.000

Load Diagram for Retention (stand-alone)



Load Diagram for Retention (As Used In Routing)



Catchment Number: 3 Name: DA-3

Project: Tara Esmeralda
Date: 2/1/2021

Retention Design

Retention Depth (in)	5.020
Retention Volume (ac-ft)	1.309

Watershed Characteristics

Catchment Area (acres)	3.13
Contributing Area (acres)	3.130
Non-DCIA Curve Number	76.00
DCIA Percent	0.00
Rainfall Zone	Florida Zone 2
Rainfall (in)	51.00

Surface Water Discharge

Required TN Treatment Efficiency (%)	80
Provided TN Treatment Efficiency (%)	98
Required TP Treatment Efficiency (%)	80

Provided TP Treatment Efficiency (%) 98

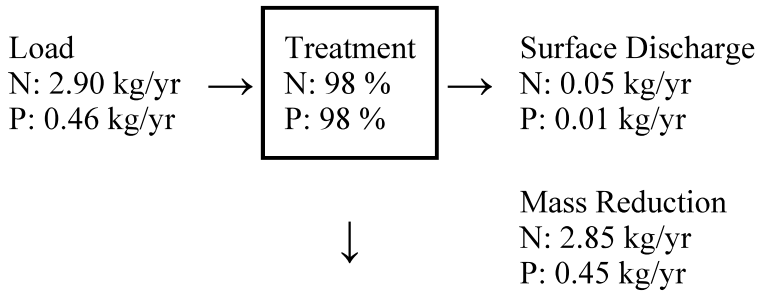
Media Mix Information

Type of Media Mix	Not Specified
Media N Reduction (%)	
Media P Reduction (%)	

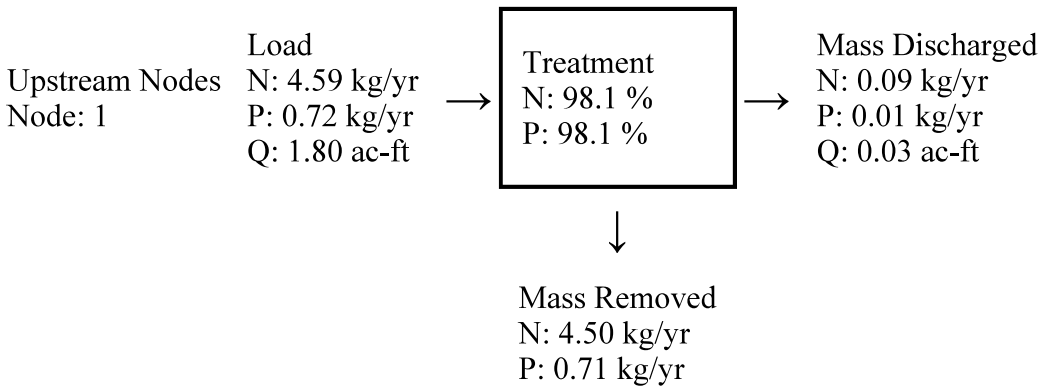
Groundwater Discharge (Stand-Alone)

Treatment Rate (MG/yr)	0.000
TN Mass Load (kg/yr)	2.846
TN Concentration (mg/L)	0.000
TP Mass Load (kg/yr)	0.450
TP Concentration (mg/L)	0.000

Load Diagram for Retention (stand-alone)



Load Diagram for Retention (As Used In Routing)



Catchment Number: 4 Name: DA-4

Project: Tara Esmeralda
Date: 2/1/2021

None Design

Watershed Characteristics

Catchment Area (acres)	1.76
Contributing Area (acres)	1.760
Non-DCIA Curve Number	61.00
DCIA Percent	0.00
Rainfall Zone	Florida Zone 2
Rainfall (in)	51.00

Surface Water Discharge

Required TN Treatment Efficiency (%)	80
Provided TN Treatment Efficiency (%)	
Required TP Treatment Efficiency (%)	80
Provided TP Treatment Efficiency (%)	

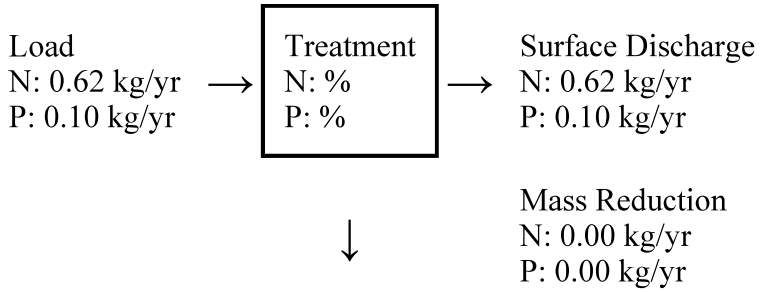
Media Mix Information

Type of Media Mix	Not Specified
Media N Reduction (%)	0.000
Media P Reduction (%)	0.000

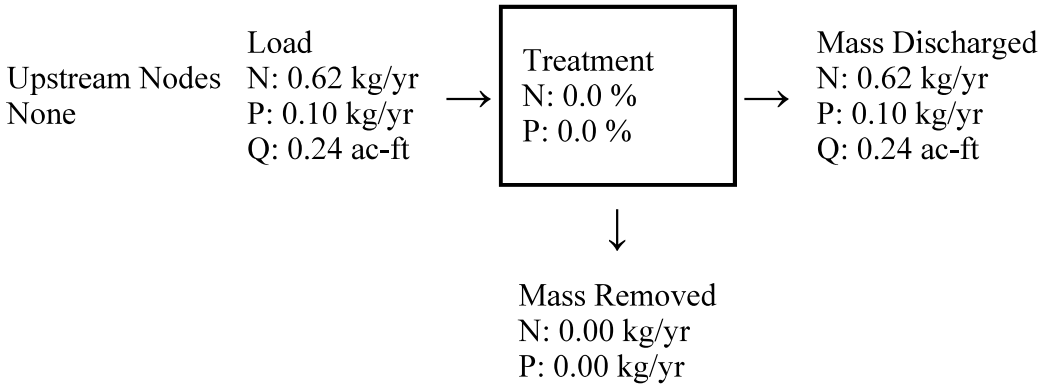
Groundwater Discharge (Stand-Alone)

Treatment Rate (MG/yr)	0.000
TN Mass Load (kg/yr)	0.000
TN Concentration (mg/L)	0.000
TP Mass Load (kg/yr)	0.000
TP Concentration (mg/L)	0.000

Load Diagram for None (stand-alone)



Load Diagram for None (As Used In Routing)



Summary Treatment Report Version: 4.2.3

Project: Tara Esmeralda

Analysis Type: Specified Removal Efficiency

Date:2/1/2021

BMP Types:

Catchment 1 - (DA-1) Retention
Catchment 2 - (DA-2) Retention
Catchment 3 - (DA-3) Retention
Catchment 4 - (DA-4) None

Based on % removal values to the nearest percent

Routing Summary

Catchment 1 Routed to Catchment 3
Catchment 2 Routed to Outlet
Catchment 3 Routed to Outlet
Catchment 4 Routed to Outlet

Total nitrogen target removal met? **Yes**
Total phosphorus target removal met? **Yes**

Summary Report

Nitrogen

Surface Water Discharge		
Total N pre load	2.78 kg/yr	
Total N post load	13.1 kg/yr	
Target N load reduction	80 %	
Target N discharge load	2.62 kg/yr	
Percent N load reduction	94 %	
Provided N discharge load	.73 kg/yr	1.61 lb/yr
Provided N load removed	12.37 kg/yr	27.27 lb/yr

Phosphorus

Surface Water Discharge		
Total P pre load	.048 kg/yr	
Total P post load	2.069 kg/yr	
Target P load reduction	80 %	
Target P discharge load	.414 kg/yr	
Percent P load reduction	94 %	
Provided P discharge load	.115 kg/yr	.25 lb/yr
Provided P load removed	1.954 kg/yr	4.308 lb/yr

Attachment L

Time of Concentration Calculations

eda consultants inc.

Time of Concentration Worksheet

Tara Esmeralda **Pre Development DA 1**

Input Variables

Overall Flow Length (ft)	542.0
Initial Elevation	103.00
Final Elevation	92.00

Sheet Flow

L = Flow Length (ft)	300.0		
n = Mannings Roughness Coefficient	Grass		
	n = 0.180		
S = slope of hydraulic grade line (ft/ft)	0.027		
P2 = 2 year, 24 hour rainfall (in.)	4.8		

$$T = \frac{0.007(nL)^{0.8}}{(P_2)^{0.5}\, s^{0.4}}$$

Tc = 0.33 hr

Tc = 19.87 min

Shallow Concentrated Flow

L= Length of Shallow Concentrated Flow (ft)	242.0	Unpaved
	0.0	Paved
Unpaved Velocity (ft/s)	1.80	
Paved Velocity (ft/s)	NA	
S = Slope of Hydraulic Grade Line (ft/ft)	0.012	

$$T_{unpaved} = \frac{L}{16.1345 \times S^{0.5}}$$

Tc = 2.25 min

$$T_{paved} = \frac{L}{20.3282 \times S^{0.5}}$$

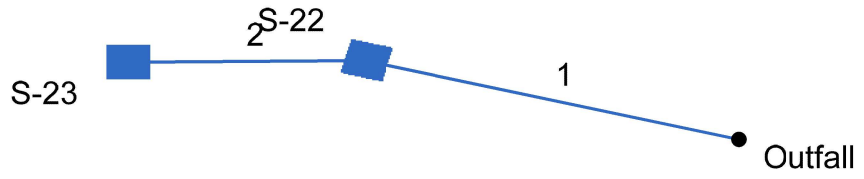
Tc = 0 min

Total Time of Concentration	**22.11 min**

Attachment M

Pipe Sizing

Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: New.stm	Number of lines: 2	Date: 7/3/2023

Storm Sewer Inventory Report

Line No.	Alignment				Flow Data				Physical Data								Line ID
	Dnstr Line No.	Line Length (ft)	Defl angle (deg)	Junc Type	Known Q (cfs)	Drng Area (ac)	Runoff Coeff (C)	Inlet Time (min)	Invert El Dn (ft)	Line Slope (%)	Invert El Up (ft)	Line Size (in)	Line Shape	N Value (n)	J-Loss Coeff (K)	Inlet/ Rim El (ft)	
1	End	36.000	-165.217	Grate	0.00	0.68	0.80	10.0	96.00	4.67	97.68	18	Cir	0.012	0.50	100.98	S22 TO S23
2	1	22.000	-15.279	Grate	0.00	1.25	0.75	10.0	97.68	0.32	97.75	18	Cir	0.012	1.00	100.98	S21 TO S22

Project File: New.stm

Number of lines: 2

Date: 7/3/2023

FL-DOT Report

Line No	To Line	Type of struc	n - Value	Len	Drainage Area			Time of conc	Time of Flow in sect	Inten (I)	Total CA	Add Q	Inlet elev	Elev of HGL			Rise	HGL	ADD		Date: 7/3/2023
					C1 = 0.2 C2 = 0.5 C3 = 0.9							Total Flow		Elev of Crown			Span	Pipe	Full Flow		Frequency: 3 yrs
														Elev of Invert							Proj: New.stm
					Increment (ac)	Sub-Total (ac)	Sum CA					Q		Up	Down	Fall	Size	Slope	Vel	Cap	
				(ft)				(min)	(min)	(in/hr)		(cfs)	(ft)	(ft)	(ft)	(ft)	(in)	(%)	(ft/s)	(cfs)	Line description
1	End	Grate	0.012	36.000	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	10.09	0.12	6.18	1.48	0.00 9.16	100.98	98.85 99.18 97.68	97.50 97.50 96.00	1.35 1.68	18 18 Cir	3.75 4.67	5.69 13.91	9.16 24.58	S22 TO S23
2	1	Grate	0.012	22.000	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	10.00	0.09	6.20	0.94	0.00 5.82	100.98	98.91 99.25 97.75	98.85 99.18 97.68	0.06 0.07	18 15 Cir	0.27 0.32	3.95 4.36	5.82 6.42	S21 TO S22

NOTES: Intensity = 39.96 / (Inlet time + 7.70) ^ 0.65 (in/hr) ; Time of flow in section is based on full flow.

Project File: New.stm