LAKEWOOD CENTRE CORE PHASE I – DOT POND 7 EXPANSION: STORMWATER CALCULATIONS

Submittal for Southwest Florida Water Management District Application for Environmental Resource Permit and Manatee County Public Works Permitting

Stantec

Prepared for:
Lakewood Ranch Commerce Park, LLC
14400 Covenant Way,
Lakewood Ranch, FL 34202

Prepared by:
Stantec Consulting Services Inc.
6900 Professional Parkway East
Sarasota, FL 34240

March 23, 2018

This document entitled LAKEWOOD CENTRE CORE PHASE I – DOT Pond 7 Expansion: STORMWATER CALCULATIONS was prepared by Stantec Consulting Services Inc. ("Stantec") for the account of LWR Sports, LLC (the "Client"). The material in it reflects Stantec's best judgment in light of the information available to it at the time of preparation.

Prepared by _____
(signature)

Tyler R. Wilkinson, E.I.

Reviewed by _____
(signature)

Keith E. Litzell, P.E.

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LAKEWOOD CENTRE CORE PHASE I – DOT POND 7 EXPANSION:
STORMWATER CALCULATIONS

PROFESSIONAL ENGINEER'S CERTIFICATION

Electronic copies of this report have been electronically signed and sealed in accordance with Florida law, and are hereby acknowledged to have been prepared by me or under my direct supervision, effective on the dates contained in said electronic signatory and manifest files.

Project: Lakewood Centre CORE Phase I – DOT Pond 7 Expansion

Project Number: 215613303

KEITH E. LITZELL, P.E., STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 63118.
THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY KEITH E. LITZELL, P.E. ON 3/27/18
USING A SHA-1 AUTHENTICATION CODE. PRINTED COPIES OF THIS DOCUMENT ARE NOT
CONSIDERED SIGNED AND SEALED AND THE SHA-1 AUTHENTICATION CODE MUST BE VERIFIED
ON ANY ELECTRONIC COPIES.

Keith E. Litzell, P.E.

Florida Licensed Engineer No. 63118

LAKEWOOD CENTRE CORE PHASE I – DOT POND 7 EXPANSION:
STORMWATER CALCULATIONS

March 23, 2018

1. ENVIRONMENTAL RESOURCE PERMIT APPLICATION

1A. SECTION A OF THE ERP APPLICATION

1B. SECTION C OF THE ERP APPLICATION

1C. SECTION E OF THE ERP APPLICATION

JOINT APPLICATION FOR INDIVIDUAL ENVIRONMENTAL RESOURCE PERMIT/ AUTHORIZATION TO USE STATE-OWNED SUBMERGED LANDS/ FEDERAL DREDGE AND FILL PERMIT

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION/
WATER MANAGEMENT DISTRICTS/
U.S. ARMY CORPS OF ENGINEERS

Effective October 1, 2013

INSTRUCTIONS FOR USE OF THIS FORM:

This form is designed to assist you in submitting a complete application. All applications must include Section A-General Information for All Activities. Sections B through H list typical information that is needed based on the proposed activities, and are only required as applicable. Part 2-C of Section A will guide you to the correct sections needed based on your proposed activities. Applicants are advised to consult Chapter 62-330, F.A.C., and the Environmental Resource Permit Applicant's Handbooks Volumes I and II for information regarding the ERP permitting process and requirements while preparing their application. Internet addresses for Chapter 62-330, F.A.C. and the Applicant's Handbook, Agency contact information, and additional instructions for this form can be found in Attachment 1.

What Sections of the Application Must I Fill Out?

Does the project involve....	Section							
	A- General Information	B- Single Family Projects	C- Wetlands and other Surface Waters	D- Structures or Works in Surface Waters	E- Stormwater Management System	F- State-owned Submerged Lands	G- Mitigation Banks	H- Mines
Fill in wetlands or waters for a single family residence?	X	X						
Docks, shoreline stabilization, seawalls associated with a single family residence?	X	X				X, if applicable		
Wetland impacts (other than associated with an individual residence)?	X		X					
Boating facilities, a marina, jetty, reef, or dredging?	X		X	X		X if applicable		
Any work on state owned submerged land?	X		X			X		
Construction of a stormwater management system?	X		X, if applicable		X			
Constructing a mitigation bank?	X		X		X, if applicable		X	
Creating a mine?	X		X, if applicable					X

Note- if you are required to provide Section B, then you do not have to provide any other Sections, unless the activities are on state-owned submerged lands. In that case, Section F will also be required.

If you have any questions, or would like assistance completing this form, please contact the staff of the nearest office of either the Florida Department of Environmental Protection (DEP) or a Water Management District (WMD) (see Attachment 2).

Section A: General Information for All Activities

PART 1: NAME, APPLICATION TYPE, LOCATION, AND DESCRIPTION OF ACTIVITY

A. Name of project, including phase if applicable: **Lakewood Centre CORE Phase I**

B. This is for (check all that apply):

☐ Construction or operation of ***new*** works, activities and/ or a stormwater management system

☐ ***Conceptual Approval*** of proposed works, activities and/ or a stormwater management system

☑ Modification or Alteration of ***existing*** works activities and / or a stormwater management system. Provide the existing DEP or WMD permit #, if known: Note: Minor modifications do not require completion of this form, and may instead be requested by letter.

☐ ***Maintenance or repair*** of works, activities and/ or stormwater management system previously permitted by the DEP or WMD Provide existing permit #, if known:

☐ Abandonment or removal of works, activities and/ or stormwater management system Provide existing DEP or WMD permit #, if known:

☐ Operation of an ***existing unpermitted*** stormwater management system.

☐ Construction of additional phases of a permitted work, activity and/ or stormwater management system.

Provide the existing DEP or WMD permit #, if known:

C. ***List the type of activities proposed. Check all that apply, and provide the supplemental information requested in each of the referenced application sections.*** *Please also reference Applicant's Handbooks I and II for the type of information that may be needed.*

☐ Activities associated with one single-family residence, duplex, triplex, or quadruplex that do not qualify for an exemption or a General Permit: ***Provide the information requested in Section B. Do not complete Section C.***

☑ Activities within wetlands or surface waters, or within 25 feet of a wetland or surface water, (not including the activities associated with an individual residence). *Examples include dredging, filling, outfall structures, docks, piers, over-water structures, shoreline stabilization, mitigation, reclamation, restoration/enhancement.* ***Provide the information requested in Section C.***

☐ Activities within navigable or flowing surface waters such as a multi-slip dock or marina, dry storage facility, dredging, bridge, breakwaters, reefs, or other offshore structures: ***In addition to Section C, also provide the information requested in Section D.***

☐ Activities that are (or may be) located within, on or over state-owned submerged lands (*See Chapter 18-21, F.A.C. https://www.flrules.org/gateway/ChapterHome.asp?Chapter=18-21):* ***In addition to Section B or C, also provide the information requested in Section F***

☑ Construction or alteration of a stormwater management system serving residential, commercial, transportation, industrial, agricultural, or other land uses, or a solid waste facility (excluding mines that are regulated by DEP). ***Provide the information requested in Section E.***

☐ Creation or modification of Mitigation Bank (refer to Chapter 62-342, F.A.C. https://www.flrules.org/gateway/ChapterHome.asp?Chapter=62-342): ***Provide the information requested in Section G.***

☐ Mines (as defined in Section 2.0 of Applicant's Handbook Volume I) that are regulated by the DEP: ***Provide the information requested in Section H.***

☐ Other, describe:
Please contact the Agency to determine which additional sections of the application are needed. See Attachment 1 for Agency contacts.

D. Describe in general terms the proposed project, system, works, or other activities. For permit modifications, please briefly describe the changes requested to the permit:

modification to stormwater and utility infrastructure to support the future multi-use approximate 3,300 LF of roadway

E. For activities in, on, or over wetlands or other surface waters, check the type of federal dredge and fill permit requested (if known): ☑Individual ☐Programmatic General permit #: SAJ
☐General ☐Nationwide permit #: ☐Not Applicable ☐Not sure

F. Project/Activity Street/Road Address or other location (if applicable): 1/4 mile east of LWR Blvd. on Rangeland Parkway
City: **Bradenton** County(ies): **Manatee** Zip: **34211**

Note: For utility, road, or ditch/canal activities, provide a starting and ending point using street names and nearest house numbers or provide length of project in miles along named streets or highways.

G. Project location map and Section, Township, and Range information (use additional sheets if needed):
Please attach a location map showing the location and boundaries of the proposed activity in relation to major intersections or other landmarks. The map should also contain a north arrow and a graphic scale; show Section(s), Township(s), and Range(s); and must be of sufficient detail to allow a person unfamiliar with the site to find it.

Section(s): **17**	Township: **35S**	Range: **19E**	Land Grant name, if applicable:
Section(s):	Township:	Range:	
Section(s):	Township:	Range:	

H. Latitude (DMS) N27 ° 26 ' 05 " Longitude (DMS) N82 ° 25 ' 20 " (Taken from central location of the activity). Explain source for obtaining latitude and longitude (i.e. U.S.G.S. Quadrangle Map, GPS, online resource):

I. Tax Parcel Identification Number(s): **583202319**

[Number may be obtained from property tax bill or from the county property appraiser's office; if on multiple parcels, provide multiple Tax Parcel Identification Numbers]

J. Directions to Site (from major roads; include distances and landmarks as applicable):

1/4 mile east of Lakewood Ranch Boulevard on Rangeland Parkway

K. Project area or phase area: +/- 385 acres

L. Name of waterbody(ies) (if known) in which activities will occur or into which the system will discharge: **Braden River Tributary**

The following questions (M-O) are not applicable to activities related to a single-family residence, including private single-family residential docks, piers, seawalls or boat ramps.

M. Is it part of a larger plan of development or sale? ☒ yes ☐ no

N. Impervious or semi-impervious area excluding wetlands and other surface waters (if applicable): 5.28 acres or square feet

O. Volume of water the system is capable of impounding (if applicable): acre-feet.

PART 2: SUPPLEMENTAL INFORMATION, AND PERMIT HISTORY

A. Is this an application to modify an existing Environmental Resource Permit, or to construct or implement ~~for~~ part of a multi-phase project, such as a project with a Conceptual Approval permit? ☐ Yes ☒ No *If you answered "yes", please provide permit numbers below:*

AGENCY	DATE	PERMIT/APPLICATION NO.	PROJECT NAME

B. Indicate if there have been any ***pre-application meeting(s)*** or other discussions about the proposed project, system or activity. If so, please provide the date(s), location(s) of the meeting, and the name(s) of Agency staff that attended the meeting(s):

AGENCY	DATE	LOCATION	MEETING ATTENDEES
SWFWMD	09/29/2016	Sarasota, FL	Keith Litzell, Tyler Wilkinson, Bob Simons, Roger Aman, Steve Lopes, Dennis Medved

C. ***Attach a depiction (plan and section views), which clearly shows the works or other activities proposed to be constructed.*** Use multiple sheets, if necessary, a scale sufficient to show the location and type of works, and include a north arrow and a key to any symbols used. ***Specific information to be included in the plans is based on the activities proposed and is further described in Sections B-H.*** However, supplemental information may be required based on the specific circumstances or location of the proposed works or other activies.

D. Processing Fee: ***Please submit the application processing fee along with this application form and supplemental information.*** Processing fees vary based on the size of the activity, the type of permit applied for, and the reviewing Agency. Please reference Attachment 3 to determine the appropriate fee.

PART 3: APPLICANT AND ASSOCIATED PARTIES INFORMATION

Instructions: Permits are only issued to entities having sufficient real property interest as described in Section 4.2.3 (d) of Applicant's Handbook Volume I. Please attach evidence of sufficient real property interest over the land upon which the activities subject to the application will be conducted, including mitigation (if applicable). Refer to Section 4.2.3 (d) for acceptable ownership or real property interest documentation. For corporations, list a person who is a registered agent or officer of the corporation who has the legal authority to bind the corporation.

A. APPLICANT (ENTITY MUST HAVE SUFFICIENT REAL PROPERTY INTEREST) ☐ **THIS IS A CONTACT PERSON FOR ADDITIONAL INFORMATION**		
Name: Last: **Chiofalo**	First: **Anthony**	Middle: **J.**
Title: **Vice President**	Company: **SMR North 70, LLC**	
Address: **14400 Covenant Way**		
City: **Lakewood Ranch**	State: **Florida**	Zip: **34202**
Home Telephone: **N/A**	Work Telephone: **(941) 757-1570**	
Cell Phone: **N/A**	Fax: **N/A**	
E-mail Address: **suzanne.fugate@lakewoodranch.com**		
Correspondence will be sent via email. Check here to receive correspondence via US Mail: ☐		

B. LAND OWNER(S) (IF DIFFERENT OR IN ADDITION TO APPLICANT) ☐ **CHECK HERE IF LAND OWNER IS ALSO A CO-APPLICANT**		
Name: Last:	First:	Middle:
Title:	Company:	
Address:		
City:	State:	Zip:
Home Telephone:	Work Telephone:	
Cell Phone:	Fax:	
E-mail Address:		
Correspondence will be sent via email. Check here to receive correspondence via US Mail: ☐		

C. OPERATION AND MAINTENANCE ENTITY **(see Applicant's Handbook I, Section 12.3)**			
Entity Name: **LWR Stewardship District**	Contact: Last: **Chiofalo**	First: **Anthony**	Middle: **J.**
Title: **Vice Chairman**	Company: **Lakewood Ranch Stewardship District**		
Address: **14400 Covenant Way**			
City: **Lakewood Ranch**	State: **Florida**		Zip: **34202**
Home Telephone: **N/A**	Work Telephone: **(941) 757-1570**		
Cell Phone: **N/A**	Fax: **N/A**		
E-mail Address: **suzanne.fugate@lakewoodranch.com**			
Correspondence will be sent via email. Check here to receive correspondence via US Mail: ☐			

D. CO-APPLICANT (IF DIFFERENT OR IN ADDITION TO APPLICANT AND OWNER)		
Name: Last:	First:	Middle:
Title:	Company:	
Address:		
City:	State:	Zip:
Home Telephone:	Work Telephone:	
Cell Phone:	Fax:	
E-mail Address:		
Correspondence will be sent via email. Check here to receive correspondence via US Mail: ☐		

E. ENGINEERING CONSULTANT ☑ THIS IS A CONTACT PERSON FOR ADDITIONAL INFORMATION		
Name: Last: **Litzell**	First: **Keith**	Middle: **E.**
Title: **Professional Engineer**	Company: **Stantec Consulting Services, Inc.**	
Address: **6900Professional Parkway East**		
City: **Sarasota**	State: **Florida**	Zip: **34240**
Home Telephone: **N/A**	Work Telephone: **(941)907-6900**	
Cell Phone: **N/A**	Fax: **N/A**	
E-mail Address: **keith.litzell@stantec.com**		
Correspondence will be sent via email. Check here to receive correspondence via US Mail: ☐		

F. ENVIRONMENTAL CONSULTANT ☐ THIS IS A CONTACT PERSON FOR ADDITIONAL INFORMATION		
Name: Last: **Hoffner**	First: **Alec**	Middle:
Title: **Environmental Scientist**	Company: **ECo Consultants, Inc.**	
Address: **1523 8th Avenue West**		
City: **Palmetto**	State: **FL**	Zip: **34221**
Home Telephone: **(941) 722-0901**	Work Telephone:	
Cell Phone:	Fax:	
E-mail Address: **ahoffner@ecoconsultants.net**		
Correspondence will be sent via email. Check here to receive correspondence via US Mail: ☐		

G. AGENT AUTHORIZED TO SECURE PERMIT (IF DIFFERENT FROM CONSULTANT) ☐ THIS IS A CONTACT PERSON FOR ADDITIONAL INFORMATION		
Name: Last: **N/A**	First:	Middle:
Title:	Company:	
Address:		
City:	State:	Zip:
Home Telephone:	Work Telephone:	
Cell Phone:	Fax:	
E-mail Address:		
Correspondence will be sent via email. Check here to receive correspondence via US Mail: ☐		

If necessary, please add additional pages for other contacts and property owners related to this project.

PART 4: SIGNATURES AND AUTHORIZATION TO ACCESS PROPERTY

Instructions: For multiple applicants please provide a separate Part 4 for each applicant. For corporations, the application must be signed by a person authorized to bind the corporation. A person who has sufficient real property interest (see Section 4.2.3 (d) of Applicant's Handbook Volume I) is required in (B) to authorize access to the property, except when the applicant has the power of eminent domain.

A. By signing this application form, I am applying for the permit and any proprietary authorizations identified above, according to the supporting data and other incidental information filed with this application. I am familiar with the information contained in this application and represent that such information is true, complete and accurate. I understand this is an application and not a permit, and that work prior to approval is a violation. I understand that this application and any permit issued or proprietary authorization issued pursuant thereto, does not relieve of any obligation for obtaining any other required federal, state, water management district or local permit prior to commencement of construction. I agree to operate and maintain the permitted system unless the permitting agency authorizes transfer of the permit to a different responsible operation and maintenance entity. I understand that knowingly making any false statement or representation in this application is a violation of Section 373.430, F.S. and 18 U.S.C. Section 1001.

Lakewood Ranch Stewardship District		3-26-18
Typed/Printed Name of Applicant or Applicant's Authorized Agent	Signature of Applicant or Applicant's Authorized Agent	Date

Anthony J. Chiofalo, Vice Chairman

(Corporate Title if applicable)

B. CERTIFICATION OF SUFFICIENT REAL PROPERTY INTEREST AND AUTHORIZATION FOR STAFF TO ACCESS TO THE PROPERTY:
I certify that:

☑ ***I possess sufficient real property interest in or control, as defined in Section 4.2.3 (d) of Applicant's Handbook Volume I,*** over the land upon which the activities described in this application are proposed and I have legal authority to grant permission to access those lands. I hereby grant permission, evidenced by my signature below, for staff of the Agency and the U.S. Army Corps of Engineers to access, inspect, and sample the lands and waters of the property as necessary for the review of the proposed works and other activities specified in this application. I authorize these agents or personnel to enter the property as many times as may be necessary to make such review, inspection, and/ or sampling. Further, I agree to provide entry to the project site for such agents or personnel to monitor and inspect permitted work if a permit is granted.

OR

☐ I represent an entity having ***the power of eminent domain and condemnation authority***, and I/we shall make appropriate arrangements to enable staff of the Agency and the U.S. Army Corps of Engineers to access, inspect, and sample the property as described above.

SMR North 70, LLC		3-26-18
Typed/Printed Name	Signature	Date

Anthony J. Chiofalo, Vice President

(Corporate Title if applicable)

LAKEWOOD CENTRE CORE PHASE I – DOT POND 7 EXPANSION:
STORMWATER CALCULATIONS

March 23, 2018

1. ENVIRONMENTAL RESOURCE PERMIT APPLICATION

1A. SECTION A OF THE ERP APPLICATION

1B. SECTION C OF THE ERP APPLICATION

1C. SECTION E OF THE ERP APPLICATION

Lakewood Centre CORE Phase I
State Wide Environmental Resource Permit Modification
Permit No. 43042972.000

Environmental Considerations
& Section C

March 2018

Prepared for:

SMR North 70, LLC
14400 Covenant Way
Lakewood Ranch, FL 34202

Prepared by:

E Co Consultants, Inc.
1523 8th Avenue West
Suite B
Palmetto, FL 34221
941.722.0901 Fax 941.722.4931

March 26, 2018

Ms. Cory Catts
Southwest Florida Water Management District
Tampa Service Office - Environmental Section
7601 U.S. Highway
Tampa, FL 33637-6759

RE: Lakewood Centre C.O.R.E. Phase 1
Permit 42972.000 Modification Request
Manatee County, FL

Dear Ms. Catts,

Please accept this correspondence and attached documentation as a request for modification to Permit No. 42972.000 to fill **0.061 acre** of herbaceous wetlands associated with the construction of Lakewood Centre CORE Phase I (**Attachment A**). The project area is **297.48 acres** and located within Parcel No.: 583202369 at 12210 Rangeland Parkway, which is located 0.50 mile from the intersection of State Road 70 and Lakewood Ranch Blvd in Bradenton, Manatee County, FL.

Modification of the roadway project will include a turning lane and result in the loss of 0.061 acre of jurisdictional roadside herbaceous wetland, the Impact Map is provided as **Attachment B**. Mitigation for the proposed wetland impact will include the purchase of herbaceous wetland mitigation and secondary impact credits from the Long Swamp Mitigation Bank. In assessing the amount of mitigation required to offset wetland impacts within the project area, the Uniform Mitigation Assessment Methodology (UMAM) was conducted (**Attachment C**). The project proposes unavoidable direct impacts to a disturbed herbaceous freshwater wetland (**NW-W24**) which result in a total of **0.03 units** of functional loss and **0.01 unit** of functional loss for secondary impacts; which will be offset through mitigation and include a total of **0.04 credits** withdrawn from Long Swamp Mitigation Bank; a copy of the WRAP assessment for the Long Swamp Mitigation Bank credits are provided as **Attachment D**.

If E Co can provide additional clarification or information, please do not hesitate to call at 941.722.0901 or email jgriffith@ecoconsultants.net.

Best regards,

Jessie Lyn Griffith
Senior Scientist

SECTION C: SUPPLEMENTAL INFORMATION FOR WORKS OR OTHER ACTIVITIES IN, ON, OR OVER WETLANDS AND/OR OTHER SURFACE WATERS

(Note: This section is not required if all the proposed activities are covered in Section B.)

Instructions: This section is for ERP applications that do not involve activities associated with an individual single-family residence, duplex, triplex or quadruplex. For those activities, please use Section B. This form is to be completed if the proposed work or activity will occur in, on, over, or within 25 feet of a wetland or other surface water. The supplemental information required by this section is in addition to the information required by Section A of the ERP application.

PART 1: WETLAND OR OTHER SURFACE WATER IMPACT SUMMARY

1. Describe the basic purpose of the project or activity: **The project proposes to modify (43042972.000) the new roadway associated with the 298-acre Lakewood Centre property located immediately north of State Road 70 (SR 70) and east of Lakewood Ranch Boulevard, within Section 17, Township 35 South, Range 19 East, in southern Manatee County. The project proposes to dredge/fill 0.061 acre of low quality roadside wetlands. This unavoidable wetland impact will occur to Wetland NW-W24 as the result of Florida Department of Transportation (FDOT) roadway design requirements. The FDOT is requiring that a turning lane be added along SR 70. As a result, the project will fill a portion of this wetland for the development roadway. The remaining 1.39 acres of this wetland is not required to be filled for the roadway.**
2. Total area of work (dredging, filling, construction, alteration, or removal) in, on, or over wetlands or other surface waters: (**2,649 sq. ft**.); ac. **(NW-WL24 = 0.061 ac.)**
3. Total volume of material in wetlands or other surface waters:
   a. to be dredged: cubic yards,
   b. to be filled: **86** cubic yards.
4. Identify the seasonal high water level (SHWL) and wetland normal pool elevations for each wetland or surface water within the project site. For tidal wetlands and/or surface waters provide the elevation of mean high and mean low water. Include an aerial photograph showing the location of each sampling location, dates, datum, and methods used to determine these elevations. **The seasonal high water elevations were approved in 43042972.000.**
5. Name of waterbody(ies) (if applicable & if known) in which work will occur?
6. Is the activity proposed in an Outstanding Florida Water or Aquatic Preserve?
   yes, name: no **No** I don't know
7. Has there ever been a formal or informal wetland determination for the project site? If yes, provide the identifying number and/ or a copy of the jurisdictional map**. Refer to 43042972.000.**
8. Provide a map(s) of the project area and vicinity delineating USDA/NRCS soil types. **Refer to the attached Soils Map.**
9. Provide recent aerials, legible for photo-interpretation (no photocopies) with a scale of 1" = 400 ft, or more detailed, with project boundaries and wetland boundaries delineated on the aerial. **Refer to the Impact Map.**

10. Provide existing and proposed maps indicating vegetative community types based on Florida Land Use and Cover Classification System (FLUCCS) (FDOT 1999). For vegetated areas dominated by exotic vegetation, use the FLUCCS code representative of the native community type that was present prior to exotic infestation. **Refer to the FLUCCS Maps.**
11. Provide existing and proposed maps indicating vegetative community types based on the Florida Natural Areas Inventory Guide to the Natural Communities of Florida.
12. Impact Summary Tables (located at the end of this section):

    a. For all projects, complete Table 1, 2 and 3 as applicable.

    b. For shoreline stabilization projects, provide the information requested in Table 4.

13. Adjacent property owners. The following information is required only for projects proposed to occur in, on or over wetlands that need a federal dredge and fill permit and/or authorization to use state owned submerged lands and is not necessary when applying solely for an Environmental Resource Permit. If the activity is located on state owned submerged lands and requires a lease or easement, provide a list of names and addresses from the latest county tax assessment roll of all property owners located within a 500 ft. radius of the proposed lease or easement boundary in mailing label format, or you may elect to send notice to those persons by certified mail, with the return-receipt card addressed to the DEP or water management district, as applicable, in accordance with subsection 18-21.005(3), F.A.C., and Section 253.115, F.S. For projects that need a federal dredge and fill permit, please provide the names, addresses and zip codes of property owners whose property directly adjoins the project (excluding applicant). Attach additional sheets if necessary.

1.	2.
3.	4.
5.	6.

PART 2: ENVIRONMENTAL CONSIDERATIONS

Note: for many questions, a state rule/Applicant's Handbook Volume I (AH I) section is cited to assist the applicant in addressing these questions. However, additional Federal criteria may apply.

1. Elimination or Reduction of Impacts (Avoidance and Minimization). Describe measures taken to eliminate or reduce impacts to wetlands and other surface waters (*Refer to AH I Section 10.2.1*). **This is a road construction project, and to account for the safety, health and well being of people, this project will require impacts. The wetland impacts proposed for the roadway portions of the project are to disturbed herbaceous wetlands that have been previously impacted by roadway improvements to SR 70.**
2. Fish, Wildlife, Listed Species and their Habitats. Provide results of any wildlife assessments that have been conducted on the project site and provide any comments pertaining to the project from the Florida Fish and Wildlife Conservation Commission and/or the U.S. Fish and Wildlife Service (*Refer to AH I Section 10.2.2*). **Refer to 43042972.000.**
3. Water quantity impacts to wetlands and other surface waters (*Refer to AH I Section 10.2.2.4 and AH II*).

    a. Does the activity include a proposed stormwater water management system with a control elevation different than the wetland normal pool elevation(s) of existing or proposed created wetlands or other surface waters?

    b. If yes to (a), provide documentation (e.g. drawdown assessment or other methods) that shows the proposed surface water management system will not change the hydroperiod of the existing or created wetland or other surface water.

4. Public Interest Test. Please describe how the proposed activity will ***not be contrary*** to the public interest, OR if such an activity significantly degrades or is located within an Outstanding Florida Water (OFW), that the regulated activity will be ***clearly in*** the public interest (*Refer to AH I Section 10.2.3*).

    a. Please describe how the project will be designed to avoid adverse affects to public health, safety, or the welfare or the property of others.
    b. Please describe how the project will be designed to avoid adverse affects to the conservation of fish and wildlife, including endangered or threatened species, or their habitats.
    c. Please describe how the project will be designed to avoid adverse affects to navigation or the flow of water or cause harmful erosion or shoaling.
    d. Please describe how the project will be designed to avoid adverse affects to the fishing or recreational values or marine productivity in the vicinity of the activity.
    e. Will the project be of a temporary or permanent nature?
    f. Please describe how the project will be designed to avoid adverse impacts to significant historical and archaeological resources, under the provisions of section 267.061, F.S.
    g. Please describe how the project will be designed to avoid adverse affects to the current condition and relative value of functions being performed by areas affected by the proposed regulated activity.

5. Water Quality. Provide a description of how water quality will be maintained in wetlands and other surface waters that will be preserved or will remain undisturbed, both on and offsite. Please address both short-term (such as during construction) and long-term water quality considerations (*Refer to AH I Section 10.2.4*). **All necessary Best Management Practices (BMP's) will be implemented prior to the commencement of construction and remain in place until all disturbed areas have stabilized. BMP's may include, but are not limited to, silt screens, hay bales, and staged construction.**

6. Class II Waters; Waters approved for shellfish harvesting *(Refer to AH I Section 10.2.5)*.

   a. Will the project occur in Class II that are NOT approved for shellfish harvesting? If yes, please provide a plan or procedure detailing the measures to be taken to meet the requirements of *AH I Section 10.2.5(a)*. **The project site does not contain and is not adjacent to or in close proximity to a Class II water, nor is it located within areas utilized for shellfish harvesting.**

   b. Is the project located adjacent to or in close proximity to Class II waters? If yes, please provide a plan or procedure detailing the measures to be taken to meet the requirements of *AH I Section 10.2.5(b)*. **N/A**

   c. Is the project located in Class II or Class III waters that are classified as "approved", "restricted", "conditionally approved", or "conditionally restricted"? If yes, demonstrate that the project meets the requirements of *AH I Section 10.2.5(c)*. **N/A**

7. Vertical seawalls. Are vertical seawalls proposed in an estuary or lagoon as part of the project? If yes, please describe how the project meets the requirements of *AH I Section 10.2.6*. **N/A**

8. Secondary Impacts (*AH I Section 10.2.7*).

   a. Will an upland buffer, with a minimum width of 15' and an average width of 25', be provided between the proposed activities and existing wetlands or wetlands to be preserved, enhanced, restored, or created? Provide the location and dimension of all buffers on the plans. If not, demonstrate that secondary impacts will not occur or how they will be offset.

      Secondary impacts to the wetlands will be mitigated for at the Long Swamp Mitigation bank. Please refer to the attached WRAP sheet.

   b. If listed species are present or may be present then coordination with wildlife agencies is needed. Have you coordinated with the FFWCC and/or USFWS? If so, please provide correspondence from the wildlife agencies indicating concurrence with the species management plan(s).
      Refer to 43042972.000.

   c. What measures will be taken to avoid impacts to wetland-dependent wildlife and/or listed species that use uplands for nesting or denning?

   d. Describe whether there are any other relevant activities that are very closely linked and causally related to any proposed dredging or filling in wetlands or other surface waters that have the potential to cause impacts to significant historical and archaeological resources.

e. Are there additional future phases or extensions of the proposed activities that are not shown? If yes, please describe.

9. Cumulative Impacts. Is the proposed mitigation located within the same drainage basin (*Refer to AH I Figures 10.2.8.1 – 10.2.8.5)* as the proposed wetland impacts? If not, please submit a Cumulative Impact Evaluation in accordance with *AH I Section 10.2.8*. **Yes, the proposed mitigation is located within the same basin.**

10. Mitigation Plan (*Refer to AH I Section 10.3*).

a. If a mitigation bank is proposed to offset wetland/other surface water impacts, provide:

i. the name of the bank: . A letter of reservation from the banker will be required once the application has been evaluated. **Long Swamp Mitigation Bank**

ii. If the mitigation bank was assessed using UMAM, provide UMAM worksheets for impact area(s). If the bank was assessed using a method other than UMAM, then prepare the impact assessment using the same method. **Refer to Attachment F for the UMAM assessment sheets.**

b. If mitigation is proposed to offset wetland/other surface water impacts, please provide a mitigation plan that includes, at a minimum, the following:

i. Proposed mitigation narrative:

(1) Describe the current and proposed condition for each type of mitigation component (restoration, enhancement, creation, preservation), including:

(a) Describe current and proposed vegetation

(b) Describe current and proposed hydrologic conditions for the proposed mitigation.

(c) Describe the soil types from NRCS maps and confirm if actual soil conditions appear to match.

(2) Provide details of the proposed construction/mitigation activities including phasing and timing, as appropriate.

(3) Identify measures that will be implemented during and after construction to avoid adverse impacts related to the proposed activities.

(4) A mitigation implementation and monitoring schedule with dates.

(5) Identify the success criteria.

(6) Describe the anticipated site conditions in and around the mitigation area after the mitigation plan is successfully implemented.

(7) Provide a comparison of current fish and wildlife habitat to expected habitat after the mitigation plan is successfully implemented.

ii. Provide a Management Plan that includes, as appropriate, aspects of operation and maintenance, including water management practices, vegetation establishment, exotic and nuisance species control, fire management, and control of access.

iii. Maps:

(1) Soil map (include soil names/codes, hydrologic soil groups and hydric soil types).

(2) Topographic map of the mitigation area and adjacent contributing and receiving areas.

(3) Hydrologic features map of the mitigation area and adjacent contributing and receiving areas.

(4) Vegetative communities map (using FLUCCS or other appropriate classification system).

(5) For all maps, identify source.

iv. Provide the necessary supporting information for the application of sections 62-345.400 - . 600 (Uniform Mitigation Assessment Method (UMAM)). To meet this requirement, submittal of UMAM worksheets is acceptable for impact and mitigation areas.

v. If onsite and/or offsite applicant-responsible mitigation is proposed, submit a draft Conservation Easement document or other form of restrictive covenant that provides for protection of the mitigation area in perpetuity. Standard forms, as described in subsection 62-330.301(6), F.A.C., are available from the Agency or on its website.

vi. If onsite and/or offsite applicant-responsible mitigation is proposed, submit a cost estimate for completing the mitigation, including monitoring and maintenance.

vii. If onsite and/or offsite applicant-responsible mitigation is proposed and the proposed mitigation exceeds $25,000, please provide a draft financial assurance document.

viii. Identify the entity responsible for monitoring, maintenance and long-term stewardship of the mitigation area (i.e. the landowner or homeowner association, not the consultant or contractor that will do the work).

PART 3: PLANS

PLANS: The information listed in the checklist below represent the typical information required on the submitted project plans. The Plans checklists in each application section are cumulative unless otherwise noted. Separate plans for each application section are not required.

1. Include the following on the construction plans and cross sections:

   a. An Existing Conditions sheet showing the entire project and wetland/other surface water boundaries. Include the following: Acreage and type (herbaceous, forested or other surface water) of each wetland/other surface water. **Please refer to the FLUCCS Map and Table 1.**

   b. A Proposed Conditions sheet showing the entire project and wetland/other surface water boundaries with construction plan overlay. **Refer to 43042972.000.**

   c. A Proposed Wetland Impact sheet that include the following:

      i. Acreage and type (herbaceous, forested or other surface water) of each wetland/other surface water to be impacted. **Refer to Table 1.**

      ii. Proposed upland buffers with dimensions.

      iii. Identify the seasonal high water and wetland normal pool elevations on the plans.

      iv. Separately identify WMD/FDEP and USACE wetland/other surface water impacts if different.

   d. Include wetland boundaries on all construction plan sheets.

2. If onsite and/or offsite applicant-responsible mitigation is proposed, submit mitigation permit plans and cross sections including, at a minimum:

   a. existing conditions plan sheet identifying upland and wetland communities and acreage of each, topography, drainage patterns, and location of cross-section detail.

   b. proposed conditions plan sheet identifying proposed improvements by type (restoration, enhancement, creation, preservation), acreage of each, topography, drainage patterns, and location of cross-section detail.

   c. monitoring plan sheet including proposed improvements, monitoring transects, photostations, and mitigation signage (if applicable).

   d. cross-section and/or profile detail(s) sheet(s) including representative section of each type of mitigation component. Include existing and proposed conditions and representative elevations.

   e. planting schedule, plant species including common and scientific names divided into three sections (canopy, shrub, herbaceous) by mitigation component, quantity, spacing, size, and elevation range.

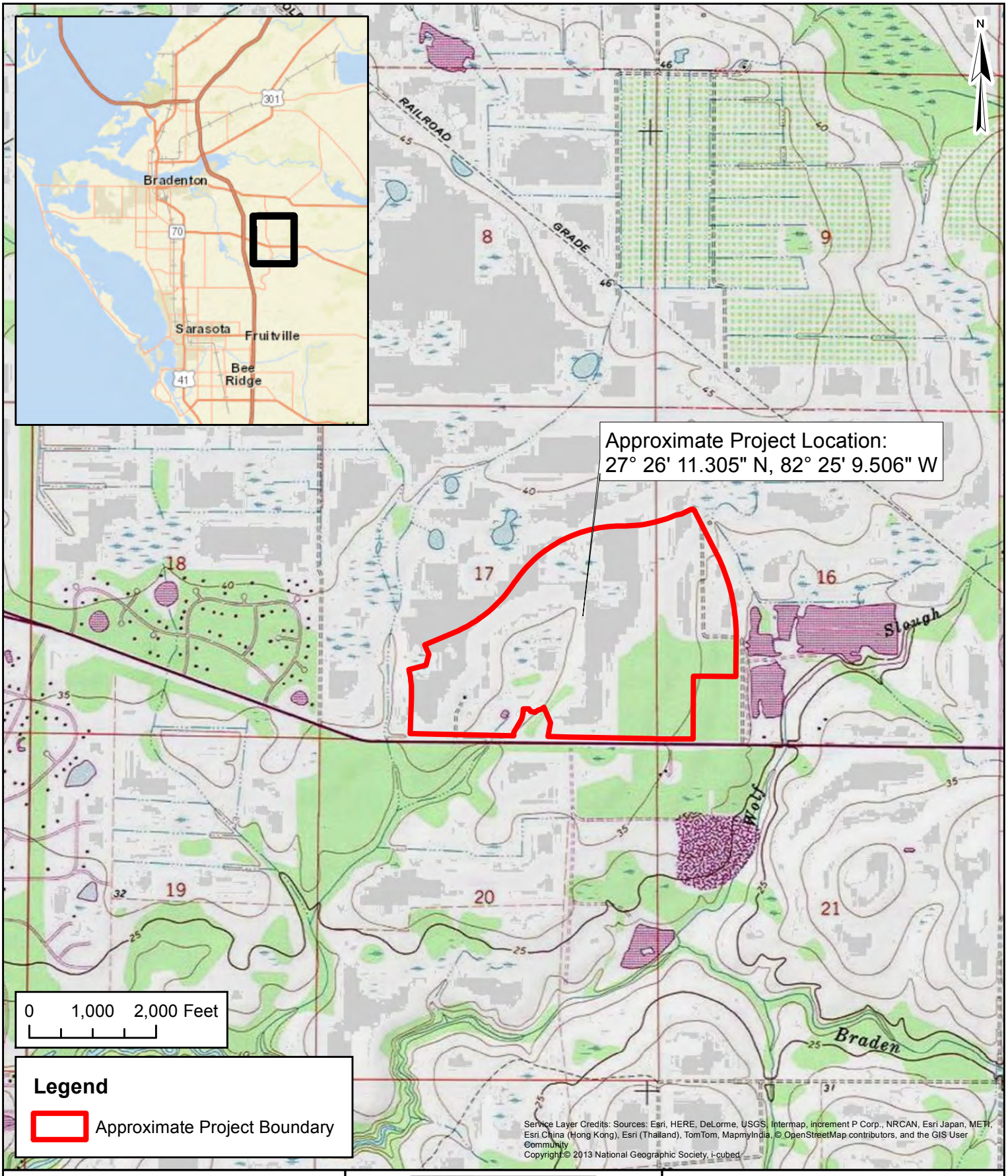
TABLE 1 - PROJECT WETLAND (WL) AND OTHER SURFACE WATER (SW) AND IMPACT SUMMARY

WL & SW ID (Activity Area =AA)	UMAM ASSESSMENT AREA NAME(S)	WL & SW TYPE	WL & SW SIZE (acres)	WL & SW NOT IMPACTED (acres)	TEMPORARY WL & SW IMPACTS		PERMANENT WL & SW IMPACTS		MITIGATION ID
					IMPACT SIZE (acres)	IMPACT TYPE	IMPACT SIZE (acres)	IMPACT TYPE	
*NW-W24	Wetland 24	FLUCCS 641	1.45	1.39			0.061	F	Long Swamp Mitigation Bank
PROJECT TOTALS:			**1.45**		**0.0**		**0.061**		

Comments: ***Wetland Buffer Impacts to include 0.15 acre (NW-W24), are accounted for in the WRAP worksheet.**

Codes (multiple entries per cell not allowed):

- Wetland & Surface Water ID: Include ID on submitted wetland and surface water impact maps
- Wetland Type: from an established wetland classification system
- Impact Type: D=dredge; F=fill; H=change hydrology; S=shading; C=clearing; O=other



Client: SMR North SR70, LLC

Project: Lakewood Centre

Title: USGS Quad Map

ECo
CONSULTANTS INCORPORATED
1523 8th Avenue West, Suite B
Palmetto, FL 34221
Telephone: 941.722.0901
Fax: 941.722.4931
Website: www.ecoconsultants.net

Sec: 17 Twp: 35S Rng: 19E
Scale: 1" = 2,000'
Date Drawn: 7/1/2016
Drawn by: MJ
Source: USGS Topo Maps
Sheet: 1 of 1

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FLUCCS Code	Description	± Acreage
110	Residential, Low Density	4.93
190	Open Land	11.93
211	Improved Pastures	198.12
411	Pine Flatwoods	1.21
422	Brazilian Pepper	7.71
434	Hardwood - Coniferous Mixed	34.88
510	Streams and Waterways	3.40
534	Reservoirs less than 10 acres	8.73
615	Streams and Lake Swamps	11.51
619	Exotic Wetland Hardwoods	3.18
630	Wetland Forested Mixed	10.43
641	Freshwater Marshes	1.45
Total Project Acreage		**297.48**

Legend

- Approximate FLUCCS Habitat Lines
- Approximate Project Boundary

N

0 200 400 Feet

Sec: 17 Twp: 35S Rng: 19E
Scale: 1" = 400'
Date Drawn: 7/1/2016
Drawn by: MJ
Source: Manatee County 2015
Sheet: 1 of 1

1523 8th Avenue West, Suite B
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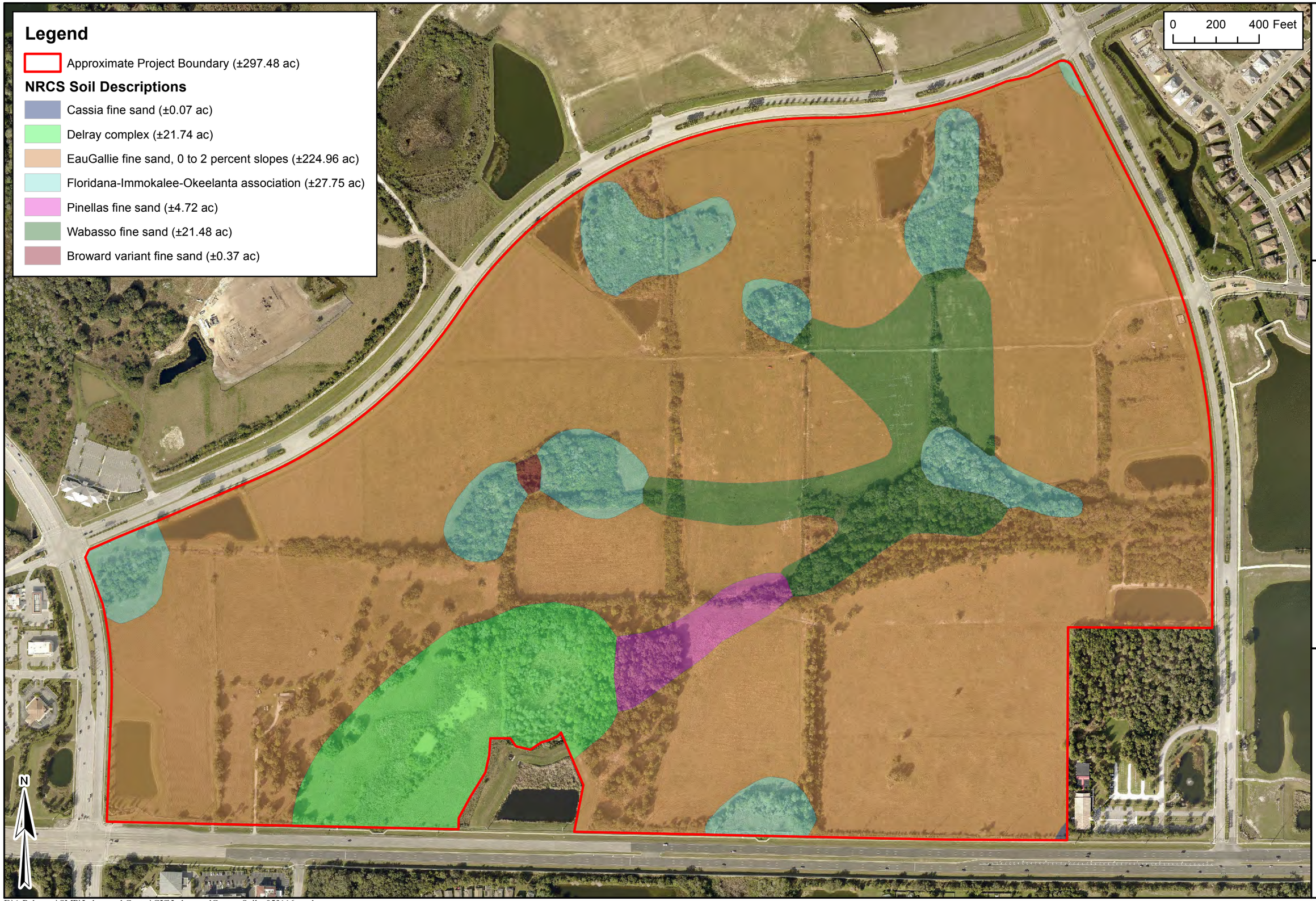
ECo CONSULTANTS INCORPORATED

Client: Tavistock

Project: Lakewood Ranch Tavistock Parcel

Title: FLUCCS Habitat Map

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Sec: 17 Twp: 35S Rng: 19E
Scale: 1" = 400'
Date Drawn: 9/15/2016
Drawn by: MJ
Source: Manatee County 2015
Sheet: 1 of 1

1523 8th Avenue West, Suite B
Palmetto, FL 34221
Telephone: 941.722.0901
Fax: 941.722.4931
Website: www.ecoconsultants.net

ECo CONSULTANTS INCORPORATED

Client: SMR North Sr 70, LLC

Project: Lakewood Centre

Title: NRCS Soils Map

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
ENVIRONMENTAL RESOURCE

INDIVIDUAL CONSTRUCTION
PERMIT NO. 43042972.000

EXPIRATION DATE: **May 10, 2022** **PERMIT ISSUE DATE:** **May 10, 2017**

This permit is issued under the provisions of Chapter 373, Florida Statutes, (F.S.), and the Rules contained in Chapter 62-330, Florida Administrative Code, (F.A.C.). The permit authorizes the Permittee to proceed with the construction of a surface water management system in accordance with the information outlined herein and shown by the application, approved drawings, plans, specifications, and other documents, attached hereto and kept on file at the Southwest Florida Water Management District (District). Unless otherwise stated by permit specific condition, permit issuance constitutes certification of compliance with state water quality standards under Section 401 of the Clean Water Act, 33 U.S.C. 1341. All construction, operation and maintenance of the surface water management system authorized by this permit shall occur in compliance with Florida Statutes and Administrative Code and the conditions of this permit.

PROJECT NAME:	Lakewood Centre CORE Phase I
GRANTED TO:	SMR North 70, LLC Attn: Anthony Chiofalo 14400 Covenant Way Lakewood Ranch, FL 34202
OTHER PERMITTEES:	N/A

ABSTRACT: This permit authorization is for the construction of a new stormwater management system, serving a new roadway and adjacent mixed use development, as named above and as shown on the approved construction drawings. Proposed activities authorized under this permit include the construction of the new road and master stormwater management system only and additional permit authorizations will need to be obtained for any future development within the project area. The proposed master system will provide treatment (via the permanent pool conservation method) and attenuation for all runoff generated by its contributing drainage basin. Additional information regarding the surface water management system, floodplain, wetlands and/or surface waters is stated below and on the permitted construction drawings for this project. The project site is located on the north side of State Road 70 (between it's intersections with Lakewood Ranch Boulevard and White Eagle Boulevard) with the proposed road connecting Rangeland Parkway to State Road 70 in Lakewood Ranch, Manatee County.

OP. & MAIN. ENTITY:	Lakewood Ranch Stewardship District
OTHER OP. & MAIN. ENTITY:	N/A
COUNTY:	Manatee
SEC/TWP/RGE:	S17/T35S/R19E, S16/T35S/R19E
TOTAL ACRES OWNED OR UNDER CONTROL:	385.02
PROJECT SIZE:	297.48 Acres
LAND USE:	Road Projects
DATE APPLICATION FILED:	October 21, 2016
AMENDED DATE:	N/A

I. Water Quantity/Quality

POND No.	Area Acres @ Top of Bank	Treatment Type
7	2.77	MAN-MADE WET DETENTION
8	0.65	MAN-MADE WET DETENTION
9	0.97	MAN-MADE WET DETENTION
10	1.27	MAN-MADE WET DETENTION
L-100A	0.83	MAN-MADE WET DETENTION
L-100B	1.82	MAN-MADE WET DETENTION
	Total: **8.31**	

Water Quantity/Quality Comments: Under this permit authorization, a new master stormwater management system will be constructed consisting of existing pond 7 (ERP No. 44016003.003), equalized ponds L-100A (ERP No. 44016003.000) and L-100B (ERP No. 44016003.004), and new ponds 8, 9 and 10. Both ponds 7 and L-100B will be expanded and the control structure in pond L-100A will be altered as a part of this permit authorization. Pond Nos. 8 and 9 will also tie into pond L-100B, equalizing all four ponds. No adverse off-site/on-site water quantity or quality impacts are expected as the proposed/revised ponds have been designed to continue to satisfy the District's presumptive criteria for treatment and to limit the post-development peak discharge rate for the 25-year, 24-hour design storm event to that of the existing 25-year, 24-hour design storm event. All elevations referenced in this permit are in the NAVD 88 vertical datum.

A mixing zone is not required.
A variance is not required.

II. 100-Year Floodplain

Encroachment (Acre-Feet of fill)	Compensation (Acre-Feet of excavation)	Compensation Type	Encroachment Result* (feet)
9.07	0.00	Storage Modeling	N/A

Floodplain Comments: Manatee County's Braden River Watershed Model indicates that portions of the project lie within an existing 100-year floodplain. The proposed design will result in 9.07 acre-feet of floodplain encroachment, with the Engineer of Record utilizing Storage Modeling to demonstrate that the impacts will be compensated for.

*Depth of change in flood stage (level) over existing receiving water stage resulting from floodplain encroachment caused by a project that claims Minimal Impact type of compensation.

III. Environmental Considerations

Wetland/Other Surface Water Information

Wetland/Other Surface Water Name	Total Acres	Not Impacted Acres	Permanent Impacts		Temporary Impacts	
			Acres	Functional Loss*	Acres	Functional Loss*
NW-W22	11.51	10.12	1.39	0.37	0.00	0.00
NW-W23A	1.03	1.03	0.00	0.00	0.00	0.00
NW-W23B	0.96	0.96	0.00	0.00	0.00	0.00
NW-W24	1.45	1.45	0.00	0.00	0.00	0.00
NW-W25	3.41	3.41	0.00	0.00	0.00	0.00
NW-W26	3.85	3.85	0.00	0.00	0.00	0.00
NW-W27	1.18	1.18	0.00	0.00	0.00	0.00
NW-W28A	2.91	2.91	0.00	0.00	0.00	0.00
NW-W28B	0.27	0.27	0.00	0.00	0.00	0.00
Upland Cut Ditches	5.01	3.84	1.17	0.00	0.00	0.00
Total:	**31.58**	**29.02**	**2.56**	**0.37**	**0.00**	**0.00**

*** For impacts that do not require mitigation, their functional loss is not included.**

Wetland/Other Surface Water Comments:

There are 26.57 acres of wetlands (FLUCCS 630 and 641) located within the project area for this ERP. Permanent filling impacts to 1.20 acres of Wetland NW-W22 (FLUCCS 641) will occur for construction of a multi-use community. Permanent filling impacts to 1.20 acres of qualifying wetlands were evaluated using the Wetland Rapid Assessment Procedure (WRAP). The results of the WRAP analysis indicate a functional loss of 0.36 units due to the permanent impacts proposed. Secondary wetland impacts to 0.19 acre of Wetland NW-W22 (FLUCCS 641) were evaluated using the Wetland Rapid Assessment Procedure (WRAP). The results of the Secondary WRAP analysis indicate a functional loss of 0.01 units due to the secondary impacts associated with the project. The results of the WRAP analysis identify a total functional loss of 0.37 units due to the project's proposed permanent and secondary wetland impacts. There are 5.01 acres of other surface waters features (FLUCCS 510), consisting of 5.01 acres of upland cut ditches, located within the project area. Permanent filling impacts to 1.17 acres of the project surface waters will occur for construction of a multi-use community.

Mitigation Information

Name	Creation		Enhancement		Preservation		Restoration		Enhancement +Preservation		Other	
	Acres	Functional Gain	Acres	Functional Gain	Acres	Functional Gain	Acres	Functional Gain	Acres	Functional Gain	Acres	Functional Gain
Long Swamp Mitigation Area	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37
Total:	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.37**

Mitigation Comments:

Wetland mitigation for permanent filling impacts will be provided by 0.37 freshwater herbaceous credits from the Long Swamp Mitigation Area, ERP No. 43012864.001. The results of the WRAP analysis indicate a relative functional gain of 0.37 units. The WRAP analysis determined that the mitigation provided by the permit adequately offsets the project's proposed impacts to functional wetland habitat.

Wetland mitigation is not required for permanent filling impacts to the upland cut ditches pursuant to Subsection 10.2.2.2 of the ERP Applicant's Handbook Vol. I. Under this Subsection, wetland mitigation is not required for impacts to drainage ditches that were constructed in uplands and do not provide significant habitat for threatened or endangered species and were not constructed to divert natural stream flow.

Specific Conditions

1. If the ownership of the project area covered by the subject permit is divided, with someone other than the Permittee becoming the owner of part of the project area, this permit may be terminated, unless the terms of the permit are modified by the District or the permit is transferred pursuant to Rule 40D-1.6105, F.A.C. In such situations, each land owner shall obtain a permit (which may be a modification of this permit) for the land owned by that person. This condition shall not apply to the division and sale of lots or units in residential subdivisions or condominiums.

2. The Permittee shall retain the design professional registered or licensed in Florida, to conduct on-site observations of construction and assist with the as-built certification requirements of this project. The Permittee shall inform the District in writing of the name, address and phone number of the design professional so employed. This information shall be submitted prior to construction.

3. Wetland buffers shall remain in an undisturbed condition except for approved drainage facility construction/maintenance. No owner of property within the subdivision may perform any work, construction, maintenance, clearing, filling or any other type of activities within the wetlands, wetland buffers, and drainage easements described in the approved permit and recorded plat of the subdivision, unless prior approval is received from the Southwest Florida Water Management District.

4. The following boundaries, as shown on the approved construction drawings, shall be clearly delineated on the site prior to initial clearing or grading activities:

   a. wetland and surface water areas

   b. wetland buffers

   c. limits of approved wetland impacts

   The delineation shall endure throughout the construction period and be readily discernible to construction and District personnel.

5. This Permit, ERP No. 43042972.000, amends previously issued ERP Nos. 44016003.003 and 44016003.004, and adds conditions. All other original permit conditions remain in effect.

6. For the area(s) shown on the construction drawings as *Stockpile Areas*, a permit modification shall be obtained for any construction in this/these area(s).

7. If limestone bedrock is encountered during construction of the stormwater management system, the District must be notified and construction in the affected area shall cease.

8. The Permittee shall notify the District of any sinkhole development in the stormwater management system within 48 hours of discovery and must submit a detailed sinkhole evaluation and repair plan for approval by the District within 30 days of discovery.

9. The Permitted Plan Set for this project includes the set received by the District on April 20, 2017.

10. The operation and maintenance entity shall provide for the inspection of the permitted project after conversion of the permit to the operation and maintenance phase. For systems utilizing

retention or wet detention, the inspections shall be performed five (5) years after operation is authorized and every five (5) years thereafter.

The operation and maintenance entity must maintain a record of each inspection, including the date of inspection, the name and contact information of the inspector, whether the system was functioning as designed and permitted, and make such record available upon request of the District.
Within 30 days of any failure of a stormwater management system or deviation from the permit, an inspection report shall be submitted using Form 62-330.311(1), “Operation and Maintenance Inspection Certification” describing the remedial actions taken to resolve the failure or deviation.

11. District staff must be notified in advance of any proposed construction dewatering. If the dewatering activity is likely to result in offsite discharge or sediment transport into wetlands or surface waters, a written dewatering plan must either have been submitted and approved with the permit application or submitted to the District as a permit prior to the dewatering event as a permit modification. A water use permit may be required prior to any use exceeding the thresholds in Chapter 40D-2, F.A.C.

12. Off-site discharges during construction and development shall be made only through the facilities authorized by this permit. Water discharged from the project shall be through structures having a mechanism suitable for regulating upstream stages. Stages may be subject to operating schedules satisfactory to the District.

13. The permittee shall complete construction of all aspects of the stormwater management system, including wetland compensation (grading, mulching, planting), water quality treatment features, and discharge control facilities prior to beneficial occupancy or use of the development being served by this system.

14. The following shall be properly abandoned and/or removed in accordance with the applicable regulations:

    a. Any existing wells in the path of construction shall be properly plugged and abandoned by a licensed well contractor.

    b. Any existing septic tanks on site shall be abandoned at the beginning of construction.

    c. Any existing fuel storage tanks and fuel pumps shall be removed at the beginning of construction.

15. All stormwater management systems shall be operated to conserve water in order to maintain environmental quality and resource protection; to increase the efficiency of transport, application and use; to decrease waste; to minimize unnatural runoff from the property and to minimize dewatering of offsite property.

16. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the occupation of the site or operation of site infrastructure located within the area served by that portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of that phase or portion of the system to a local government or other responsible entity.

17. This permit is valid only for the specific processes, operations and designs indicated on the approved drawings or exhibits submitted in support of the permit application. Any substantial deviation from the approved drawings, exhibits, specifications or permit conditions, including construction within the total land area but outside the approved project area(s), may constitute

grounds for revocation or enforcement action by the District, unless a modification has been applied for and approved. Examples of substantial deviations include excavation of ponds, ditches or sump areas deeper than shown on the approved plans.

18. A “Recorded notice of Environmental Resource Permit,” Form No. 62-330.090(1), shall be recorded in the public records of the County(s) where the project is located.

19. The Permittee shall not begin construction within the project area until the Long Swamp Mitigation Area has received a permit modification authorizing the withdrawal of 0.37 freshwater herbaceous credits from the Long Swamp Mitigation Area, ERP No. 43012864.001, and a copy of this modification is provided to the District, or this permit has been modified to provide an equivalent level of mitigation to be completed by the Permittee. Initiation of construction prior to issuance of the required permit modification shall be a violation of this permit.

GENERAL CONDITIONS

1. The general conditions attached hereto as Exhibit "A” are hereby incorporated into this permit by reference and the Permittee shall comply with them.

Michelle K. Hopkins, P.E.

Authorized Signature

EXHIBIT A

GENERAL CONDITIONS:

1 The following general conditions are binding on all individual permits issued under this chapter, except where the conditions are not applicable to the authorized activity, or where the conditions must be modified to accommodate, project-specific conditions.

a. All activities shall be implemented following the plans, specifications and performance criteria approved by this permit. Any deviations must be authorized in a permit modification in accordance with Rule 62-330.315, F.A.C., or the permit may be revoked and the permittee may be subject to enforcement action.

b. A complete copy of this permit shall be kept at the work site of the permitted activity during the construction phase, and shall be available for review at the work site upon request by the Agency staff. The permittee shall require the contractor to review the complete permit prior to beginning construction.

c. Activities shall be conducted in a manner that does not cause or contribute to violations of state water quality standards. Performance-based erosion and sediment control best management practices shall be installed immediately prior to, and be maintained during and after construction as needed, to prevent adverse impacts to the water resources and adjacent lands. Such practices shall be in accordance with the *State of Florida Erosion and Sediment Control Designer and Reviewer Manual (Florida Department of Environmental Protection and Florida Department of Transportation June 2007)*, and the *Florida Stormwater Erosion and Sedimentation Control Inspector's Manual (Florida Department of Environmental Protection, Nonpoint Source Management Section, Tallahassee, Florida, July 2008)*, which are both incorporated by reference in subparagraph 62-330.050(8)(b)5, F.A.C., unless a project-specific erosion and sediment control plan is approved or other water quality control measures are required as part of the permit.

d. At least 48 hours prior to beginning the authorized activities, the permittee shall submit to the Agency a fully executed Form 62-330.350(1), "Construction Commencement Notice,"[effective date], incorporated by reference herein (<http://www.flrules.org/Gateway/reference.asp?No=Ref-02505>), indicating the expected start and completion dates. A copy of this form may be obtained from the Agency, as described in subsection 62-330.010(5), F.A.C. If available, an Agency website that fulfills this notification requirement may be used in lieu of the form.

e. Unless the permit is transferred under Rule 62-330.340, F.A.C., or transferred to an operating entity under Rule 62-330.310, F.A.C., the permittee is liable to comply with the plans, terms and conditions of the permit for the life of the project or activity.

f. Within 30 days after completing construction of the entire project, or any independent portion of the project, the permittee shall provide the following to the Agency, as applicable:

1. For an individual, private single-family residential dwelling unit, duplex, triplex, or quadruplex - "Construction Completion and Inspection Certification for Activities Associated with a Private Single-Family Dwelling Unit" [Form 62-330.310(3)]; or

2. For all other activities - "As-Built Certification and Request for Conversion to Operational Phase" [Form 62-330.310(1)].

3. If available, an Agency website that fulfills this certification requirement may be used in lieu of the form.

g. If the final operation and maintenance entity is a third party:

1. Prior to sales of any lot or unit served by the activity and within one year of permit issuance, or within 30 days of as- built certification, whichever comes first, the permittee shall submit, as applicable, a copy of the operation and maintenance documents (see sections 12.3 thru 12.3.3 of Volume I) as filed with the Department of State, Division of Corporations and a copy of any easement, plat, or deed restriction

needed to operate or maintain the project, as recorded with the Clerk of the Court in the County in which the activity is located.

2. Within 30 days of submittal of the as- built certification, the permittee shall submit “Request for Transfer of Environmental Resource Permit to the Perpetual Operation Entity” [Form 62-330.310(2)] to transfer the permit to the operation and maintenance entity, along with the documentation requested in the form. If available, an Agency website that fulfills this transfer requirement may be used in lieu of the form.

h. The permittee shall notify the Agency in writing of changes required by any other regulatory agency that require changes to the permitted activity, and any required modification of this permit must be obtained prior to implementing the changes.

i. This permit does not:

1. Convey to the permittee any property rights or privileges, or any other rights or privileges other than those specified herein or in Chapter 62-330, F.A.C.;

2. Convey to the permittee or create in the permittee any interest in real property;

3. Relieve the permittee from the need to obtain and comply with any other required federal, state, and local authorization, law, rule, or ordinance; or

4. Authorize any entrance upon or work on property that is not owned, held in easement, or controlled by the permittee.

j. Prior to conducting any activities on state-owned submerged lands or other lands of the state, title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund, the permittee must receive all necessary approvals and authorizations under Chapters 253 and 258, F.S. Written authorization that requires formal execution by the Board of Trustees of the Internal Improvement Trust Fund shall not be considered received until it has been fully executed.

k. The permittee shall hold and save the Agency harmless from any and all damages, claims, or liabilities that may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any project authorized by the permit.

l. The permittee shall notify the Agency in writing:

1. Immediately if any previously submitted information is discovered to be inaccurate; and

2. Within 30 days of any conveyance or division of ownership or control of the property or the system, other than conveyance via a long-term lease, and the new owner shall request transfer of the permit in accordance with Rule 62-330.340, F.A.C. This does not apply to the sale of lots or units in residential or commercial subdivisions or condominiums where the stormwater management system has been completed and converted to the operation phase.

m. Upon reasonable notice to the permittee, Agency staff with proper identification shall have permission to enter, inspect, sample and test the project or activities to ensure conformity with the plans and specifications authorized in the permit.

n. If any prehistoric or historic artifacts, such as pottery or ceramics, stone tools or metal implements, dugout canoes, or any other physical remains that could be associated with Native American cultures, or early colonial or American settlement are encountered at any time within the project site area, work involving subsurface disturbance in the immediate vicinity of such discoveries shall cease. The permittee or other designee shall contact the Florida Department of State, Division of Historical Resources, Compliance and Review Section, at (850) 245-6333 or (800) 847-7278, as well as the appropriate permitting agency office. Such subsurface work shall not resume without verbal or written authorization from the Division of Historical Resources. If unmarked human remains are encountered, all work shall stop immediately and notification

shall be provided in accordance with Section 872.05, F.S. (2012).

o. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding unless a specific condition of this permit or a formal determination under Rule 62-330.201, F.A.C., provides otherwise.

p. The permittee shall provide routine maintenance of all components of the stormwater management system to remove trapped sediments and debris. Removed materials shall be disposed of in a landfill or other uplands in a manner that does not require a permit under Chapter 62-330, F.A.C., or cause violations of state water quality standards.

q. This permit is issued based on the applicant's submitted information that reasonably demonstrates that adverse water resource-related impacts will not be caused by the completed permit activity. If any adverse impacts result, the Agency will require the permittee to eliminate the cause, obtain any necessary permit modification, and take any necessary corrective actions to resolve the adverse impacts.

r. A Recorded Notice of Environmental Resource Permit may be recorded in the county public records in accordance with Rule 62-330.090(7), F.A.C. Such notice is not an encumbrance upon the property.

2. In addition to those general conditions in subsection (1) above, the Agency shall impose any additional project-specific special conditions necessary to assure the permitted activities will not be harmful to the water resources, as set forth in Rules 62-330.301 and 62-330.302, F.A.C., Volumes I and II, as applicable, and the rules incorporated by reference in this chapter.



ECo
CONSULTANTS INCORPORATED
www.ecoconsultants.net

Client: SMR North SR70, LLC
Project: Lakewood Centre
Location: Manatee County, Florida
Title: Wetland Impact Map

TRS: Twp: 35S Rng: 19E Sec: 16,17
Scale: 1" = 400
Date: 2/20/2018
Drawn By: AN
Source: Manatee County Imagery (2017)

F:\1-Palmetto\SMR\Lakewood Centre\GIS\LakewoodCentre_Impacts_022018.mxd

ACOE - SAJ-2008-04294 LAKEWOOD CENTRE C.O.R.E. WOUS IMPACT								
Assessment Area ID	Location and Landscape Support		Water Environment		Community Structure		Impact Acreage	Functional Loss
IMPACT	Pre	Post	Pre	Post	Pre	Post		
Wetland (NW-W24)	4	0	4	0	5	0	0.06	0.025
TOTALS							**0.06**	**0.030**

UNIFORM WETLAND MITIGATION ASSESSMENT WORKSHEET - PART I - IMPACT

Form 62-345.900(2), F.A.C. (See Sections 62-345.400 F.A.C.)

Site/Project Name	Application Number	Assessment Area Name or Number
Lakewood Centre CORE	**SAJ-2008-04294**	**Wetland (NW-W24)**

FLUCCs code	Further classification (optional)	Impact or Mitigation Site?	Assessment Area Size
641-d (Disturbed Shrub)	**PEM1Fd**	**Permanent Impact**	**0.06** Acres

Basin/Watershed Name/Number	Affected Waterbody (Class)	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance)
Braden River	**Class III**	

Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands

This disturbed herbaceous wetland is located directly adjacent to SR 70. The wetland is connected via pipe under SR 70 to the herbaceous shrub wetland that was historical impacted and bisected by the road.

Assessment area description

The wetland has been historically impacted by the road way, is directly adjacent to SR 70, and consists of cattail, primrose willow, pickerelweed, broomsedge, soft rush and smartweed.

Significant nearby features	Uniqueness (considering the relative rarity in relation to the regional landscape.)
SR 70 (south boundary), Lakewood Ranch Blvd (0.50 miles west), White Eagle Blvd (0.5 miles east),	**None.**

Functions	Mitigation for previous permit/other historic use
Low quality marsh area that has historical disturbance from the construction of SR-70 and historical agricultural activities.	**None.**

Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area)
Common species including raccoon, snakes, lizards, squirrel, frogs, and opossum.	

Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.):

None

Additional relevant factors:

Assessment conducted by:	Assessment date(s):
E Co Consultants	**February 2018**

UNIFORM WETLAND MITIGATION ASSESSMENT WORKSHEET - PART II - IMPACT

Form 62-345.900(2), F.A.C. (See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name:	Application Number:	Assessment Area Name or Number:
Lakewood Centre CORE	**SAJ-2008-04294**	**Wetland (NW-W24)**
Impact or Mitigation:	Assessment Conducted by:	Assessment Date:
Impact	**E Co Consultants**	**February 2018**

Scoring Guidance	**Optimal (10)**	**Moderate(7)**	**Minimal (4)**	**Not Present (0)**
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

		Current	With Impact
.500(6)(a) Location and Landscape Support	a. Quality and quantity **of habitat support** outside of AA.	3	0
	b. **Invasive plant species.**	5	0
	c. **Wildlife access** to and from AA (proximity and barriers).	4	0
	d. **Downstream benefits** provided to fish and wildlife.	4	0
	e. Adverse impacts to wildlife in AA from **land uses** outside of AA.	4	0
	f. **Hydrologic connectivity** (impediments and flow restrictions).	4	0
	g. **Dependency** of downstream habitats on quantity or quality of discharges.	4	0
	h. Protection of wetland functions provided by uplands (**upland** AAs only).		

Current	**With Impact**	Notes:	Place an "X" in the box above next to the two (2) most important criteria used in scoring this section
4	**0**	This disturbed wetland provides fair support for small wildlife species, however it is limited by barriers (surrounding development and road), has minimal hydrologic connectivity. The surrounding uplands include pasture, which provide low quality upland support and offer negligible protection as a buffer.	

		Current	With Impact
.500(6)(b) Water Environment (n/a for uplands)	a. Appropriateness of **water levels and flows**.	3	0
	b. Reliability of **water level indicators**.	3	0
	c. Appropriateness of **soil moisture**.	3	0
	d. **Flow rates**/points of discharge.		
	e. **Fire frequency**/severity.		
	f. **Type of vegetation**.	4	0
	g. **Hydrologic stress** on vegetation.	4	0
	h. **Use by animal**s with hydrologic requirements.	4	0
	i. **Plant community composition** associated with water quality (i.e., plants tolerant of poor WQ).	4	0
	j. **Water quality of standing water by observation** (I.e., discoloration, turbidity).		
	k. **Water quality data** for the type of community.		
	l. **Water depth, wave energy, and currents**.		

Current	**With Impact**	Notes:	Place an "X" in the box above next to the two (2) most important criteria used in scoring this section
4	**0**	The wetland has lower water levels due to historical impacts and adjacency to road. Wildlife usage for wetland species is greatly reduced due to lack of beneficial vegetative species and minimal water quantity. The surrounding road may have flash pulses of sheet flow during flood events.	

.500(6)(c) Community Structure		Current	With Impact
X Vegetation	I. Appropriate/desirable species	5	0
	II. Invasive/exotic plant species	5	0
	III. Regeneration/recruitment	4	0
	IV. Age, size distribution.	4	0
Benthic	V. Snags, dens, cavity, etc.		
	VI. Plants' condition.	5	0
Both	VII. Land management practices.		
	VIII. Topographic features (refugia, channels, hummocks).		
	IX. Submerged vegetation (only score if present).		
	X. Upland assessment area		

Current	**With Impact**	Notes:	Place an "X" in the box above next to the two (2) most important criteria used in scoring this section
5	**0**	The wetland has a disturbed edge “fringe effect” from historical road impacts, and consists of cattail, and primrose willow in that area. The remains wetland includes broomsedge, soft rush and smartweed.	

Raw Score = Sum of above scores/30 (if uplands, divide by 20)

Current	**With Impact**
0.41	0.00

Impact Acres =	0.06

Functional Loss (FL) [For Impact Assessment Areas]:	
FL = ID x Impact Acres =	0.025

Impact Delta (ID)	
Current - w/Impact	0.41

NOTE: If impact is proposed to be mitigated at a mitigation bank that was assessed using UMAM, then the credits required for mitigation is equal to Functional Loss (FL). If impact mitigation is proposed at a mitigation bank that was not assessed using UMAM, then UMAM cannot be used to assess impacts; use the assessment method of the mitigaiton bank.

Lakewood Centre CORE: NW-W24 Permit No. 42972.000		
Wetland Rapid Assessment Procedure Calculations		
WRAP Formula		
CR = (WC x TI) / CS		
CR = Enhancement Credits required		
WC = Condition of impact wetland (0-1 scale, WRAP score)		
TI = Acreage of wetland to be impacted		
CS = Condition of Long Swamp (0-1 scale, WRAP score)		
WRAP Score for Wetland - Impact Area	**Score**	**Wetland Acreage**
Wildlife Utilization (WU)	1.0	0.06
Wetland Canopy (O/S)	1.5	
Wetland Ground Cover (GC)	1.5	
Habitat Support/Buffer (LU)	0.5	
Field Hydrology (HYD)	1.5	
WQ input & Treatment (WQ)	1.5	
WRAP Score Total	0.42	
Long Swamp Mitigation Area Credit Withdrawal	**0.03**	
NOTE: The success criteria is 88% (.88 in the formula)		
WRAP Score for Wetland NW-W24 – SECONDARY Impact Area	**Score**	**SECONDARY Wetland Impact**
Wildlife Utilization (WU)	1.0	**0.15
Wetland Overstory/Shrub Canopy (O/S)	0.0	
Wetland Vegetative Ground Cover (GC)	0.0	
Adjacent Upland/ Wetland Buffer (LU)	0.5	
Field Indicators of Wetland Hydrology (HYD)	0.0	
WQ Input and Treatment Systems (WQ)	0.0	
WRAP Score Total	0.08	
Long Swamp Mitigation Area 'Swamp' Credit Withdrawal	**0.01**	
****Secondary impacts include the length of wetland impact X 25-ft.**		

LAKEWOOD CENTRE CORE PHASE I – DOT POND 7 EXPANSION:
STORMWATER CALCULATIONS

March 23, 2018

1. ENVIRONMENTAL RESOURCE PERMIT APPLICATION

1A. SECTION A OF THE ERP APPLICATION

1B. SECTION C OF THE ERP APPLICATION

1C. SECTION E OF THE ERP APPLICATION

SECTION E: SUPPLEMENTAL INFORMATION REQUIRED FOR WORKS OR OTHER ACTIVITIES INVOLVING A STORMWATER MANAGEMENT SYSTEM
(OTHER THAN A SINGLE-FAMILY PROJECT)

Instructions: The information listed in the checklists below represents the level of information that is usually required to evaluate an application. Information can be provided within reports, plans and documents. The level of information required for a specific project will vary depending on the nature and location of the site and the activity proposed. Conceptual approvals generally do not require the same level of detail as a construction permit. However, providing a greater level of detail will reduce the need to submit additional information at a later date. If an item does not apply to your project, proceed to the next item. The supplemental information required by this section is in addition to the information required by Section A of the ERP application.

PART 1: STORMWATER MANAGEMENT SYSTEM SUMMARY

Provide drainage calculations, signed and sealed by an appropriate registered professional, and supporting documentation demonstrating that the proposed project meets the conditions for issuance under 62-330.301(1)(a),(b),(c),(e), F.A.C. The drainage calculations should include, but not necessarily be limited to, the following:

1. General Site Information:

a. ☑ Provide pre-development and post-development drainage map(s), as appropriate, that include drainage patterns and basin boundaries with acreage served by each hydraulically separate system, showing the direction of flows, including any off-site runoff being routed through or around the system; topographic information; and connections between wetlands and other surface waters.

b. ☑ Provide the results of any percolation tests, where appropriate, and soil borings that are representative of the actual site conditions. Identify the wet season high water table elevations, soil profiles, and hydraulic conductivity. Include dates, datum, and methods used to determine these soil parameters.

c. ☑ Identify the onsite hydrologic soil classification (e.g. Type A, B/D, D). Reference the source, such as the USDA/NRCS Soil Survey, used in estimating the onsite hydrologic soil classification. Provide maps, as appropriate, with the project limits delineated.

d. ☑ Identify the seasonal high water or mean high tide elevation for receiving waters/wetlands into which runoff will be discharged. Include dates, datum, and methods used to determine these elevations.

e. ☑ Identify the name of each receiving waterbody to which the proposed stormwater management system will discharge: .

f. ☑ Indicate the existing land use and land cover.

g. ☑ Provide the acreage, and percentages of the total project, of the following:
   1. Impervious surfaces, excluding buildings, wetlands and other surface waters;
   2. Buildings;

3. Pervious surfaces (green areas not including wetlands);
4. Lakes, canals, retention areas, other open water areas; and
5. Wetlands (Please refer to Section C to ensure consistency in wetland acreages).

h. ☑ Provide the location and description of any nearby existing offsite features (such as wetland and other surface waters, stormwater management ponds, and building or other structures) which might be affected by or affect the proposed construction or development.

2. Water Quality Analysis:

a. ☑ Provide a description of the proposed stormwater treatment methodology that addresses the type of treatment, pollution abatement volumes, and recovery analysis.

b. ☑ Is the receiving waterbody known to be impaired, and/or has an established Total Maximum Daily Load (TMDL) or Basin Management Action Plan (BMAP)? If so, please provide specific descriptions of all water quality parameters for which the waterbody is known to be impaired? For more information about water quality, impaired waters, and to determine whether a TMDL has been adopted in your project area, refer to: http://waterwebprod.dep.state.fl.us/basin411/downloads/Florida-Adopted-TMDLs.pdf. To determine whether a BMAP exists, or is being developed in your project area, refer to: *http://www.dep.state.fl.us/water/watersheds/bmap.htm#rad*.

☐ yes ■ no ☐ don't know

If yes, provide calculations demonstrating that the proposed project will not contribute to violations of state water quality standards in accordance with the applicable Applicant's Handbook, Vol. II.

c. ☐ Does the project have a direct discharge to a Class I, Class II, Outstanding Florida Waters or Class III waters, which are approved, conditionally approved, restricted, or conditionally restricted for shellfish harvesting? *To determine whether your project is within, or will discharge to an OFW, or for more information about OFWs in general, refer to: http://www.dep.state.fl.us/water/wqssp/ofw.htm.*

☐ yes ■ no ☐ don't know

If yes, additional treatment in accordance with the applicable Applicant's Handbook, Vol. II, may be required.

d. ◆ Provide construction plans and calculations that address the required treatment volume and recovery, as well as stage-storage and design elevations, which demonstrate compliance with the appropriate water quality treatment criteria in the applicable Applicant's Handbook, Vol. II.

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Provide a description of the engineering methodology, assumptions and references for the parameters listed above, and a copy of all such computations, engineering plans, and specifications used to analyze the system. If a computer program is used for the analysis, provide the name of the program, a description of the program, input and output data, and justification for model selection.

3. Water Quantity Analysis:

Provide calculations and documentations demonstrating that the project, as proposed, meets the applicable design criteria as indicated in the applicable Applicant's Handbook, Vol. II. Typically, the information would include, at a minimum, but is not necessarily be limited to, the following:

a. ☒ For projects requiring pre-development analysis, provide an analysis of the pre-development peak rate of discharge and / or volume of runoff, for all design storm events. Account for all onsite depressional storage and offsite contributing area. Please refer to the applicable Applicant's Handbook, Vol. II for the design storm event(s) that apply to your project.

b. ☒ Provide an analysis of the post-development peak rate of discharge and / or volume of runoff for all applicable design storm events. Account for all onsite storage and offsite contributing area. Please refer to the applicable Applicant's Handbook, Vol. II for the design storm event(s) and criteria that apply to your project.

These analyses should include:

☑ Runoff characteristics, including area, runoff curve number or runoff coefficient, and time of concentration for each drainage basins in the pre-development and post-development condition;

☑ Design storms used including rainfall depth, duration, frequency, and distribution;

☑ Runoff hydrograph(s) for each drainage basin, for all required design storm event(s);

☑ Stage-storage computations for any area such as a reservoir, closed basin, detention area, or channel, used in storage routing;

☑ Stage-discharge computations for any storage areas at a selected control point, such as control structure or natural restriction;

☑ Flood routings through on-site conveyance and storage areas;

☑ Water surface profiles in the primary drainage system for each required design storm event(s);

☑ Runoff peak rates and volumes discharged from the site for each required design storm event(s);

☑ Design tailwater elevation(s) for each storm event at all points of discharge (include source or method of estimate); and

☐ Pump specifications and operating curves for range of possible operating conditions (if used in system).

Provide a description of the engineering methodology, assumptions and references for the parameters listed above, and a copy of all such computations, engineering plans, and specifications used to analyze the system. If a computer program is used for the analysis, provide the name of the program, input and output data, justification for model selection, and, if necessary, a description of the program.

4. Floodplain Analysis (where applicable).

a. ■ If the project is in a known floodplain of a stream or other water course, identify the appropriate floodplain boundary and approximate flooding elevations of any lake, stream or other watercourse located on or adjacent to the site.

b. ☐ For traversing works, in accordance with the applicable Applicant's Handbook, Vol. II, provide:

☐ Hydraulic calculations for all proposed traversing works; and

☐ Water surface profiles showing upstream impact of traversing works.

c. ☑ For impacts to regulated floodplains, in accordance with the applicable Applicant's Handbook, Vol. II, provide:

☑ Location and volume of encroachment within regulated floodplain(s); and

☑ Plans and calculations for compensating floodplain storage, if necessary, and calculations required for determining minimum building and road flood elevations.

PART 2: CONSTRUCTION PLANS

1. Provide clear, construction level detailed plans for the system. The plans must be signed and sealed by an appropriate registered professional as required by law. These plans should include cumulative information from all applicable sections; as well as the following:

a. ☑ Project area boundary and total area, including distances and orientation from roads or other landmark.

b. ☑. Existing topography extending at least 100 feet off the project area. All topography shall include location and description of benchmarks, reference to NGVD 1929 or NAVD 1988 along with the conversion factor.

c. ☑ Proposed site plan with acreage, including the following:
- ☑ plan view of proposed development, including impervious surfaces and water management areas;
- ☑ land cover and natural communities*;
- ☑ wetlands and other surface waters*;
- ☑ undisturbed uplands*;
- ☐ aquatic communities*;
- ☑ proposed buffers*;
- ☑ proposed impacts to wetlands and other surface waters, and any proposed connections/outfalls to other surface waters or wetlands, (if applicable); and
- ☑ onsite wetland mitigation areas*.

*Please refer to Section C.

☐ For phased projects, provide a master development plan clearing delineating the limits of each phase of construction.

d. ☑ Paving, Grading, and Drainage Information, which includes, but not necessarily limited to, the following:
- ☑ Existing topography;
- ☑ Boundaries of wetlands and other surface waters and upland buffers (see Section C);
- ☑ Plan view of proposed development;
- ☑ Proposed elevations and/or profiles, including:
  - ☑ roadway, parking, and pavement grades;
  - ☑ floor slabs, walkways, and other paved surfaces;
  - ☑ earthwork grades for pervious landscaped areas; and
  - ☑ perimeter site grading, tying back into existing grades.

☑ Location of all water management areas, including elevations, dimensions, side slopes, and design water depths;
☑ Location, size, and invert elevations of existing and proposed stormwater conveyance systems;
☑ Vegetative cover plan for all on-site and off-site earth surfaces disturbed by construction; and
☑ Rights-of-way and easements for the system, including all on-site and off-site areas to be reserved for water management purposes (including access), and rights-of-way and easements for the existing drainage system, if any.

e. ☑ Stormwater detail information, including but not necessarily limited to, the following:
☑ Cross section of all stormwater management areas, including elevations, dimensions, side slopes, and proposed stabilization measures (with location of the cross section(s) shown on the corresponding plan view);
☑ Detail of all proposed control structures, including elevations, dimensions, and skimmer, where applicable; and
☑ Details of proposed stormwater management systems, such as underdrains, exfiltration trenches, vaults, and other proposed Best Management Practices (BMPs).

f. ☑ Location and description of any nearby existing offsite features (such as wetland and other surface waters, stormwater management ponds, and building or other structures) which might be affected by or affect the proposed construction or development.

PART 3: CONSTRUCTION SCHEDULE AND TECHNIQUES

Provide a construction schedule, and a description of construction techniques, sequencing and equipment. This information should include, as applicable, the following.

a. ☑ Access and staging of equipment;

b. ☑ Location and details of the erosion, sediment and turbidity control measures to be implemented during each phase of construction and all permanent control measures to be implemented in post-development conditions.

c. ☐ The location of disposal site(s) for any excavated material, including temporary and permanent disposal sites.

d. ☐ A demolition plan for any existing structures to be removed.

e. ☐ Dewatering plan details. If dewatering is required, detail the dewatering proposal including the methods that are proposed to contain the discharge, methods of isolating dewatering areas, and indicate the period dewatering structures will be in place; **Note: a Consumptive Use or Water Use permit may be required for dewatering.**

f. ☐ Methods for transporting equipment and materials to and from the work site. If barges are required for access, provide the low water depths and draft of the fully loaded barge;

PART 4: OPERATION AND MAINTENANCE AND LEGAL DOCUMENTATION:

a. ☑ Describe the overall maintenance and operation schedule for the proposed system.

b. ☑ Identify the entity (or entities) that will be responsible for operating and maintaining the system (or parts of the system) to demonstrate that the entity (or entities) meet(s) the requirements of section 12.3 of the Applicant's Handbook, Vol. I.

☑ If different from the permittee, provide a draft document enumerating the enforceable affirmative obligations on the entity to properly operate and maintain the system for its expected life, and documentation of the entity's financial responsibility for long-term maintenance.

☐ If the proposed operation and maintenance entity is not a property owner's association, provide proof of the existence of an entity, or the future acceptance of the system by an entity which will operate and maintain the system.

c. ☑ Provide drafts of all proposed conservation easements, stormwater management system easements, draft property owner's association documents, and plats for the property containing the proposed system.

d. ☐ Provide legal reservations for access to the treatment system for maintenance and operation by future maintenance entities for subdivided projects.

e. ☐ Provide indication of how water and wastewater service will be supplied.

f. ☑ Provide a copy of the boundary survey and/or legal description and acreage of the total land area of contiguous property owned/controlled the applicant.

PART 5: WATER USE

a. ☐ Describe how irrigation will be provided to the project. Will the surface water system be used for water supply, including landscape irrigation, or recreation?

b. ☐ If a Consumptive Use or Water Use permit has been issued for the project, state the permit number:

c. ☐ If a Consumptive Use or Water Use permit has not been issued for the project, indicate if such a permit will be required. ☐ yes ☐ no ☐ don't know
If yes, please indicate when the application for a permit will be submitted:

d. ☐ Indicate how any existing wells located within the project site will be utilized or abandoned. All existing wells will be abandoned.

PART 6: SPECIAL BASIN INFORMATION

Is your project within a special basin as described in the applicable Applicant's Handbook, Vol. II?

☐ yes ■ no ☐ don't know

If yes, please demonstrate that the project will meet the applicable special basin criteria.

Reset Form **Save & Print**

2. OVERVIEW OF PROJECT

2A. BACKGROUND INFORMATION

2B. HISTORICAL RESOURCES

2C. EXISTING SOILS AND WETLANDS

2D. FLOOD ZONE

2E. GENERAL CRITERIA FOR THE STORMWATER MANAGEMENT PLAN

2F. IMPAIRED BODY OF WATER

2G. PRE-DEVELOPMENT DRAINAGE INFORMATION

2H. POST-DEVELOPMENT DRAINAGE INFORMATION

2I. OWNERSHIP AND CONTROL

2J. STORMWATER MANAGEMENT MAINTENANCE PLAN

2. OVERVIEW OF PROJECT

A. BACKGROUND INFORMATION

The LAKEWOOD CENTRE - CORE site is located in Manatee County, Florida along the north side of State Road 70, between Lakewood Ranch Boulevard and, Lorraine Road. The site is surrounded to the south, across State Road 70 by a residential development, to the east by Kent Lakes and residential development, to the north by undeveloped land and residential development and to the west by commercial development.

This project is contained within the Braden River watershed. The roadways surrounding the CORE project area including Lakewood Ranch Blvd, and Rangeland Blvd have been designed and permitted with stormwater lakes that lie in the CORE boundary. The existing pre-developed conditions for this modification have been modeled and permitted under the Lakewood Centre CORE Phase I - ERP No. 43042972.000.

Elevations are based on the NAVD-1988 vertical datum.

B. HISTORICAL RESOURCES

No historical resources have been discovered on the property. Any significant historical or archeological resources that are discovered during development activities shall be reported immediately to the Florida Division of Historical Resources and treatment of such resources shall be determined in cooperation with the Division of Historical Resources and Manatee County.

C. EXISTING SOILS AND WETLANDS

The major soil groups for the project 75% EauGallie fine sands, 8% Floridana-Immokalee-Okeelanta, 7% Delray complex, 6% Wabasso fine sand with less than 5% of Pinellas fine sand and Cassia fine sand. Please refer to Section 3D of this report for the NRCS Soils Information. Wetlands NW-W22 lies adjacent to the project boundary. Please refer to Section 1B of this report for the environmental report.

D. FLOOD ZONE

The project is in Flood Zone A and X per Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) Community Panel Number 12081C0345E, and 12081C0333E revised March 17, 2014, included in Section 3C of this report.

E. GENERAL CRITERIA FOR THE STORMWATER MANAGEMENT PLAN

The project area is located inside the Evers Reservoir within Manatee County. Therefore per Manatee County requirements, the proposed impervious areas require a 25% reduction in allowable runoff as well as 150% water quality treatment. Compliance points (N_HH00010, N_HH03075) downstream of both discharge points will be used to maintain stream levels and flow rates at or below their pre-developed levels. Please refer to the

calculations provided in Sections 5F and 5G which demonstrate that the proposed project is meeting both criteria.

F. IMPAIRED BODY OF WATER

The project does not lie within an impaired water body.

G. PRE-DEVELOPMENT DRAINAGE INFORMATION

The existing development has been permitted and approved under the Lakewood Centre Phase I ERP #43042972.000 on May 15, 2017. The approved stormwater model has been taken and updated with the addition of the Arena Lake north of Rangeland Parkway that discharging into Lake 5 and 6 after field visits confirmed its conveyance into the project boundary. With this modification new RECM peak stages and discharge rates have been acquired to design to for the PCM. Please see Section 4 for the RECM model input and results.

All elevations are reported in the NAVD 88 with a conversion of +0.96' to NGVD 29.

H. POST-DEVELOPMENT DRAINAGE INFORMATION

A Post-Developed Conditions Model (PCM) has been created to hydraulically model expansion of DOT Pond 7 and elimination of CORE Lake 10. The proposed land uses assume maximum impervious area for future development incorporated into the model. The basin curve numbers and treatment calculations for the PCM can be seen in Section 5B.

I. OWNERSHIP AND CONTROL

SMR North 70, LLC owns and controls the entire 297.48± acre SWFWMD ERP project area and Lakewood Ranch Commerce Park, LLC is the permittee of the project. Please refer to Appendix A2 for property Sketch and Description.

J. STORMWATER MANAGEMENT MAINTENANCE PLAN

The stormwater management system will be maintained by Lakewood Ranch Stewardship District. Please refer to Appendix A3 for the maintenance instructions to the owner.

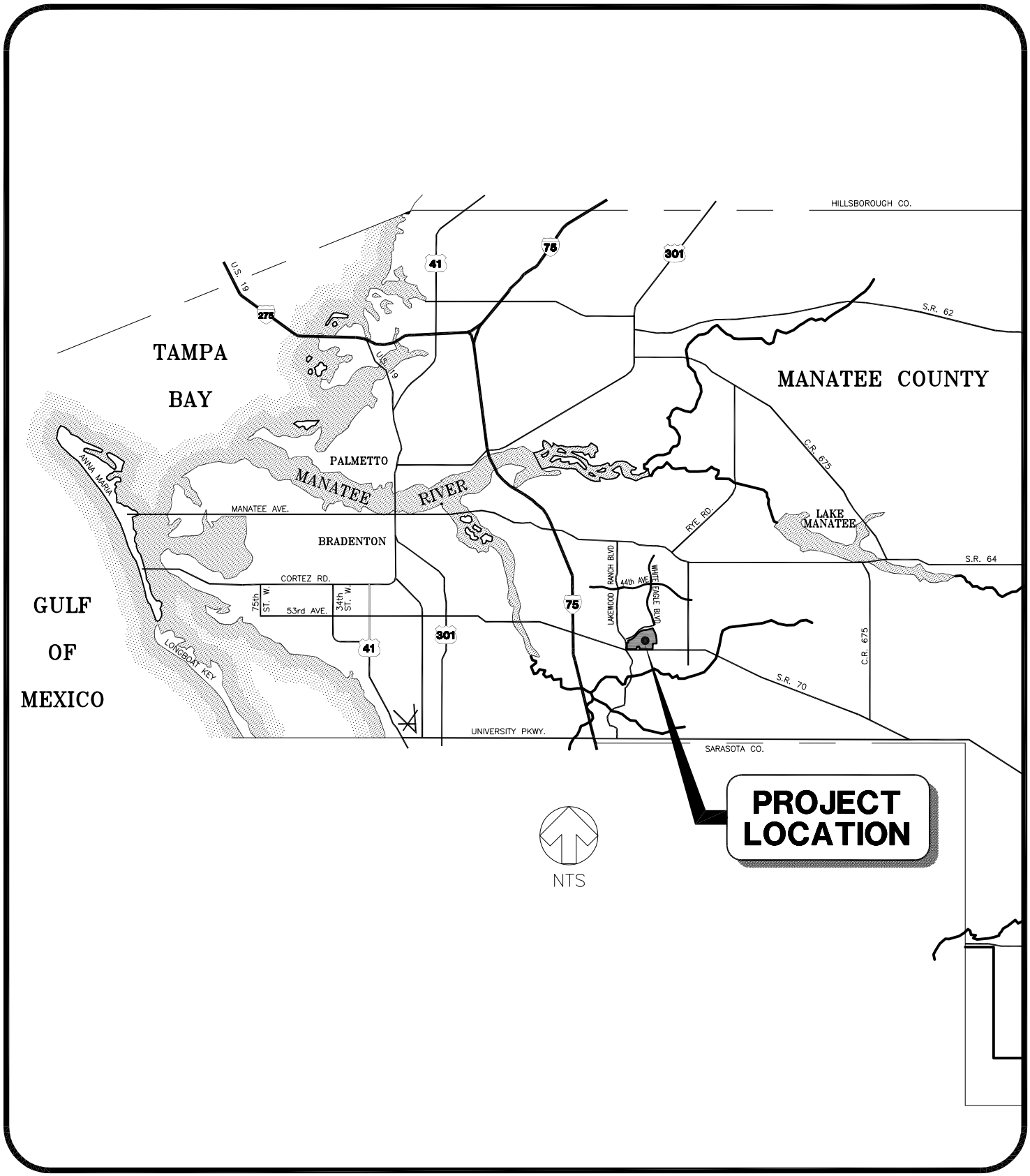
3. EXHIBITS

3A. LOCATION MAP

3B. PROJECT AERIAL

3C. FEMA FIRM MAP

3D. SOILS INFORMATION



LOCATION MAP

3. EXHIBITS

3A. LOCATION MAP

3B. PROJECT AERIAL

3C. FEMA FIRM MAP

3D. SOILS INFORMATION



REV NO.	REVISION	DATE	DRAWN BY / DSP. NO.	CHECKED BY / DSP. NO.

ACTIVITY	INITIALS/DSP. NO.	DATE
DESIGNED BY:	MSC/89818	9/2016
DRAWN BY:		9/2016
CHECKED BY:		
CONTRACT ADMIN. BY:		
WM APPROVED BY:		

Stantec
6900 Professional Parkway East, Sarasota, FL 34240-8414
Phone: 941-907-6900 • Fax: 941-907-6910
Certificate of Authorization #2975 • www.stantec.com

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CLIENT: LAKEWOOD RANCH COMMERCE PARK, LLC

PROJECT: LAKEWOOD CENTRE CORE PHASE I

DATE: 9/2016
HORIZONTAL SCALE: 1" = 200'
VERTICAL SCALE:
SEC: 19 TWP: 35S RGE: 19E
CROSS REFERENCE FILE NO.:

TITLE: AERIAL SITE PLAN

PROJECT NUMBER: 215613303

INDEX NUMBER: 215613303-02C-002PL
SHEET NUMBER: 2 OF 28

Saved: 10/17/2016 12:03:28 PM MCONERLY | Plotted: 10/17/2016 5:05:16 PM MCONERLY | V:\2166\active\215613303\civil\drawing\02c-const\sheet_files\215613303-02c-002pl.dwg

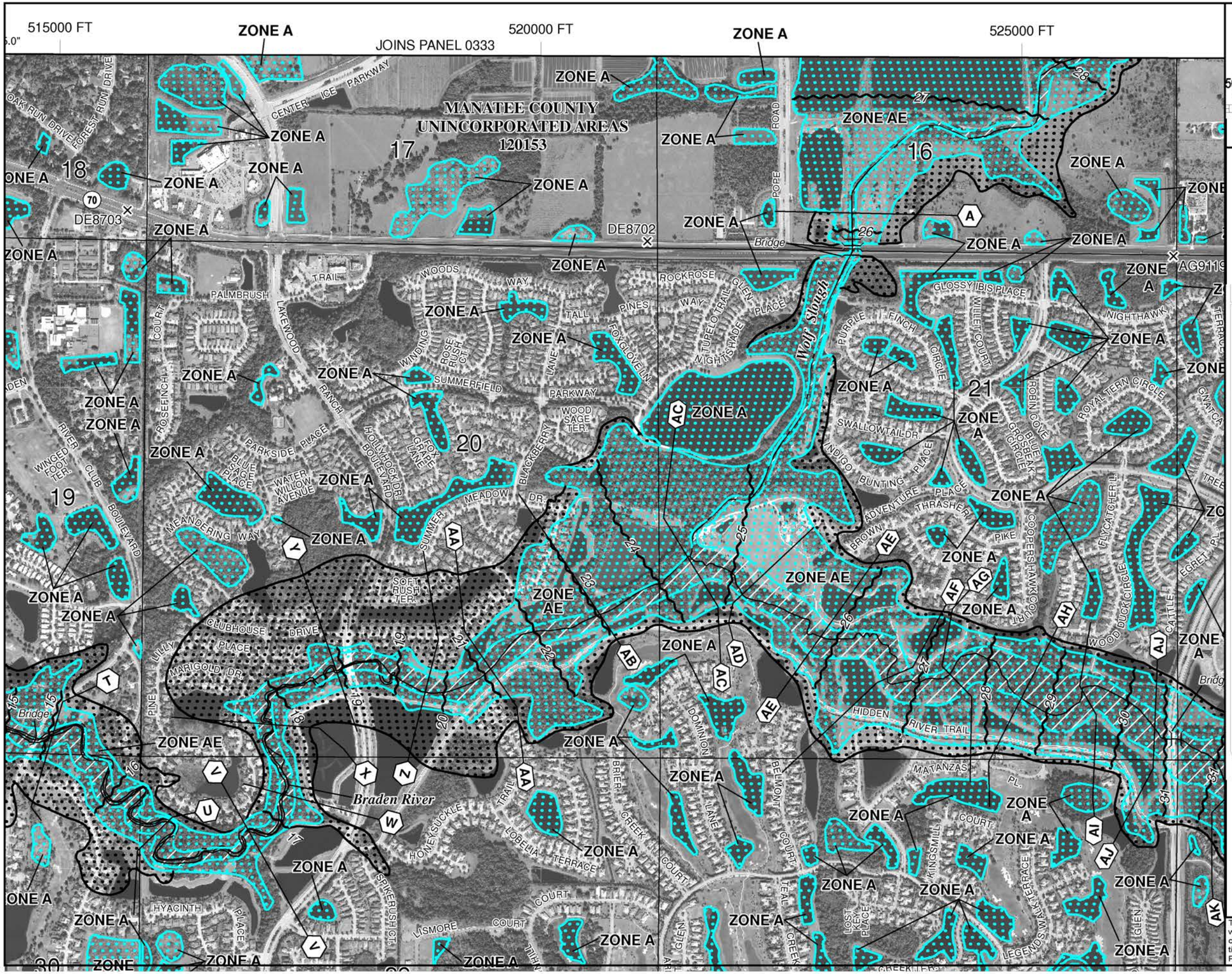
3. EXHIBITS

3A. LOCATION MAP

3B. PROJECT AERIAL

3C. FEMA FIRM MAP

3D. SOILS INFORMATION


515000 FT
520000 FT
525000 FT
JOINS PANEL 0333
MANATEE COUNTY
UNINCORPORATED AREAS
120153
ZONE A
ZONE AE
DE8703
DE8702
Bridge
Wolf Slough
Braden River
CENTER ICE PARKWAY
OAK RUN DRIVE
FOREST RUN DRIVE
POPE ROAD
PALMBRUSH TRAIL
WOODS WAY
ROCKROSE WAY
TUPELO TRAIL
NIGHTSHADE PLACE
GLOSSY IBIS PLACE
NIGHTHAWK
PURPLE FINCH CIRCLE
WILLET COURT
ROYAL TERN CIRCLE
LAKEWOOD RANCH
WINDING ROSE RUSH CT.
SUMMERFIELD LANE
FOXGLOVE LN.
TALL PINES PARKWAY
WOOD SAGE TER.
BLACKBERRY
HOLLYHOCK BOULEVARD
FOX GRAPE LANE
PARKSIDE PLACE
BLUE PLACE
WATER WILLOW AVENUE
MEADOW DR.
SUMMER
MEANDERING WAY
SOFT RUSH TER.
CLUBHOUSE DRIVE
MARIGOLD DR.
LILLY
PINE
SWALLOWTAIL DR.
INDIGO BUNTING PLACE
ADVENTURE
THRASHER
BROWN PIKE
COOPERS HAWK COURT
FLYCATCHER
WOOD DUCK CIRCLE
CATTLE EGRET
HIDDEN RIVER TRAIL
DOMINION
BELMONT COURT
BRIER CREEK LANE
HONEYSUCKLE TRAIL
LOBELIA TERRACE
HYACINTH PLACE
LISMORE COURT
TEAL COURT
KINGSMILL COURT
MATANZAS PL.
LOST KEY PLACE
LEGENDS WALK TERRACE
GLEN CREEK TER.
WINGED FOOT TER.
CLUB BOULEVARD
ROSEFINCH COURT
17
18
19
20
21
16
30
MAP SCALE 1" = 1000'
500 0 1000 2000
FEET
METE
NATIONAL FLOOD INSURANCE PROGRAM
PANEL 0345E
FIRM
FLOOD INSURANCE RATE MAP
MANATEE COUNTY,
FLORIDA
AND INCORPORATED AREAS
PANEL 345 OF 575
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)
CONTAINS:
COMMUNITY NUMBER PANEL SUFFIX
MANATEE COUNTY 120153 0345 E
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
12081C0345E
EFFECTIVE DATE
MARCH 17, 2014
Federal Emergency Management Agency
This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

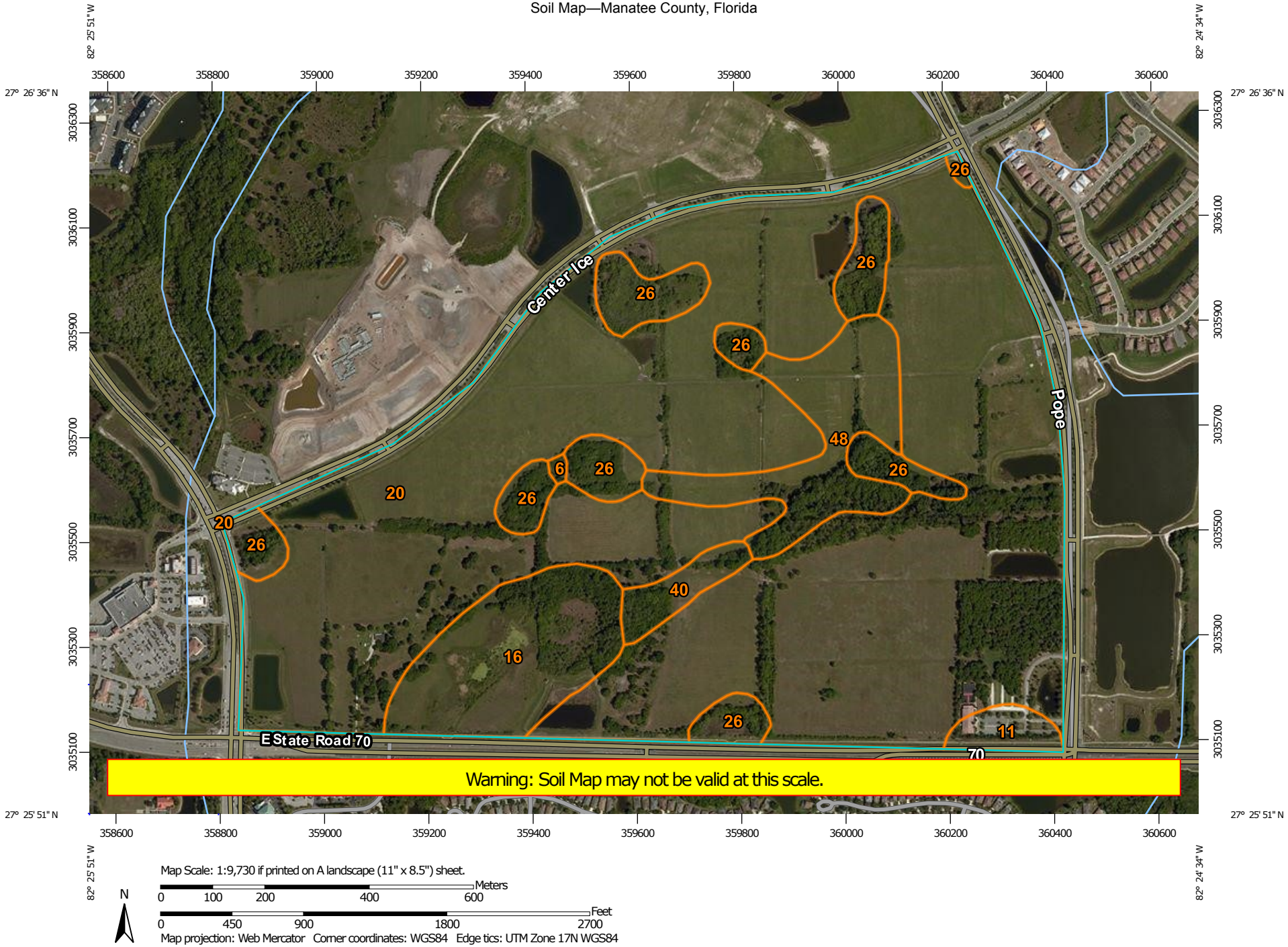
3. EXHIBITS

3A. LOCATION MAP

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3C. FEMA FIRM MAP

3D. SOILS INFORMATION



Map Scale: 1:9,730 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 100 200 400 600

Feet
0 450 900 1800 2700

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 Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

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 1:24,000.

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: http://websoilsurvey.nrcs.usda.gov
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: Manatee County, Florida
Survey Area Data: Version 12, Nov 19, 2015

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

Date(s) aerial images were photographed: Mar 16, 2015—Mar 29, 2015

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.

Map Unit Legend

Manatee County, Florida (FL081)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
6	Broward variant fine sand	0.4	0.1%
11	Cassia fine sand	3.8	1.1%
16	Delray complex	25.0	7.5%
20	EauGallie fine sand, 0 to 2 percent slopes	250.9	75.2%
26	Floridana-Immokalee-Okeelanta association	27.3	8.2%
40	Pinellas fine sand	4.7	1.4%
48	Wabasso fine sand	21.5	6.4%
Totals for Area of Interest		**333.6**	**100.0%**

4. REVISED EXISTING CONDITIONS MODEL (RECM)

4A. RECM BASIN MAP

4B. RECM HYDROLOGY CALCULATIONS


4C. RECM NODE/LINK MAP

4D. RECM ICPR INPUT REPORT

4E. RECM ICPR BASIN SUMMARY

4F. RECM ICPR NODE MAXIMUM REPORT

4G. RECM ICPR LINK MAXIMUM REPORT



Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.

Notes:
1. Coordinate System: NAD 1983 HARN StatePlane Florida West FIPS 0902 Feet
2. Source data:
3. Imagery:

Lakewood Centre - CORE

FDOT PCM BASIN EXHIBIT
June 2017

Stantec Consulting Services Inc.
6900 Professional Parkway East
Sarasota, FL 34240
tel 941.907.6900
fax 941.907.6911

0 200 400 Feet

Prepared by: T.R.W 3/2/17

4. REVISED EXISTING CONDITIONS MODEL (RECM)

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4F. RECM ICPR NODE MAXIMUM REPORT

4G. RECM ICPR LINK MAXIMUM REPORT

Basin Curve Number and Rational Coefficient Calculcations for Lakewood Centre CORE

Curve Number = 'CN' = (P * 78 + I * 98 + Lake * 100) / A

Rational Coefficient = 'C' = (P *.2 + I * .95 + Lake *1.00) / A

Composite 'C' = ∑ CA / ∑ A

Braden River - LWC CORE

Basin Name	Basin Area (Ac.)	Impervious Area (Ac.)	Pervious Area	Lake Area	Proposed Lake	Curve Number	Rational Coefficient "C"	CA
Post 7	*20.71*	13.19	5.18	*2.34*		*93*	*0.77*	*15.91*
Post 8	*2.35*	1.33	0.59	*0.43*		*93*	*0.77*	*1.81*
Post 9	*7.16*	4.62	1.79	*0.75*		*93*	*0.77*	5.50
B-100	9.07	4.66	2.27	2.14		92	*0.77*	7.02
100-2	1.5	1.35	0.15			*96*	*0.88*	1.31
100-3	0.91	0.68	0.23			*93*	*0.76*	0.69
100-4	1.49	1.34	0.15			*96*	*0.88*	1.30
100-5	0.14	0.11	0.04			*93*	*0.76*	0.11
100-6	*0.18*	0.16	0.02			*96*	*0.88*	0.16
100-9	*0.62*	0.47	0.16			*93*	*0.76*	0.47
100-10	*0.14*	0.11	0.04			*93*	*0.76*	0.11
100-11	*0.31*	0.28	0.03			*96*	*0.88*	0.27
100-13	*0.72*	0.54	0.18			*93*	*0.76*	0.55
100-14	*1.73*	1.30	0.43			*93*	*0.76*	1.32
9-9	*0.17*	0.15	0.02			*96*	*0.88*	0.15
9-11	*0.16*	0.12	0.04			*93*	*0.76*	0.12
9-12	*0.23*	0.17	0.06			*93*	*0.76*	0.18
9-13	*0.67*	0.60	0.07			*96*	*0.88*	0.59
9-14	*1.48*	1.33	0.15			*96*	*0.88*	1.30
9-15	*1.46*	1.31	0.15			*96*	*0.88*	1.28
9-16	*0.13*	0.10	0.03			*93*	*0.76*	0.10
9-19	*0.33*	0.30	0.03			*96*	*0.88*	0.29
9-20	*0.31*	0.28	0.03			*96*	*0.88*	0.27
9-23	*1.49*	1.34	0.15			*96*	*0.88*	1.30
9-25	*0.26*	0.23	0.03			*96*	*0.88*	0.23
9-26	*0.25*	0.23	0.03			*96*	*0.88*	0.22
9-27	*1.08*	0.97	0.11			*96*	*0.88*	0.95
9-28	*0.18*	0.16	0.02			*96*	*0.88*	0.16
9-29	*0.16*	0.14	0.02			*96*	*0.88*	0.14
9-30	*0.2*	0.18	0.02			*96*	*0.88*	0.18
9-31	*0.18*	0.16	0.02			*96*	*0.88*	0.16
9-33	*0.11*	0.08	0.03			*93*	*0.76*	0.08
9-34	*1.31*	0.98	0.33			*93*	*0.76*	1.00
9-35	*0.04*	0.03	0.01			*93*	*0.76*	0.03
9-36	*0.06*	0.05	0.02			*93*	*0.76*	0.05
9-37	*1.19*	0.89	0.30			*93*	*0.76*	0.91
9-38	*0.18*	0.16	0.02			*96*	*0.88*	0.16
9-39	*0.98*	0.74	0.25			*93*	*0.76*	0.75
9-40	*0.09*	0.07	0.02			*93*	*0.76*	0.07
9-41	*0.08*	0.06	0.02			*93*	*0.76*	0.06
9-42	*1.04*	0.78	0.26			*93*	*0.76*	0.79
9-43	*0.31*	0.23	0.08			*93*	*0.76*	0.24
Lake 100 Total	**40.45**	**28.80**	**8.33**	**3.32**	**0.00**	***94***	***0.80***	**32.35**

Post 10	10.13	6.58	2.53	1.02		93	0.77	7.78
B10-BR	14.38		14.38			79	*0.20*	*2.88*
B11-WS	19.36		19.36			80	*0.20*	*3.87*
B08-BR	5.5		5.50			78	*0.20*	*1.10*
NW-W22	14.03		14.03			73	*0.20*	*2.81*
BSA RD Post-5	9.93		9.93			90	*0.20*	*1.99*
NW-W28A	4.31		4.31			90	*0.20*	*0.86*
NW-W28B	6.43		6.43			90	*0.20*	*1.29*
B15-WS	5.3		5.30			78	*0.20*	*1.06*

Braden River - LWC CORE

Basin Name	Basin Area (Ac.)	Impervious Area (Ac.)	Pervious Area (Ac.)	Lake Area	Proposed Lake	Curve Number "CN"	Rational Coefficient "C"	CA
DOT Pond 7	16.68	8.25	6.22	2.22		90.07	0.68	11.30
Turn Lane Improvements		0.16	-0.16					
DOT Total	16.68	8.41	6.06	2.22		90.28	0.68	11.42

Lake Stage Areas

	Lake 7
Stage (ft)	Area (ac.)
36.3	2.77
33.63	2.34
30.63	2.48
25.63	1.79

	Lake 8
Stage (ft)	Area (ac.)
35	0.65
32	0.43
29	0.34
24	0.17

	Lake 9
Stage (ft)	Area (ac.)
35	0.97
32	0.75
29	0.64
24	0.46

	Lake 10
Stage (ft)	Area (ac.)
33.84	1.27
30.84	1.02
27.84	0.91
22.84	0.71

WET DETENTION TREATMENT
CONSERVATION DESIGN POOL BELOW SHWL WITHOUT DISCHARGE

Node No.: CORE Lake 7

I. TREATMENT VOLUME (Q)

Total Basin Area	20.71 Ac.
On-site Runoff	1.50 in.

Treatment Volume (Q) = 2.59 Ac-Ft

The Treatment Volume is the sum of a specified on-site runoff with corresponding off-site rainfall, offsite runoff is computed using rational coefficient (c).

II. PERMANENT WET POOL VOLUME (Vb)

Calculate the 14 day Residence Volume and the minimum runoff of 0.667 inches, and define the larger of the two as the Permanent Wet Pool Volume.

a) 14 DAY RESIDENCE VOUME (Vr)

Vr = (A) (C) (P) (R) (1FT/12IN)

where,

A = Project Site Drainage Area
C = Composite Rational Runoff Coefficient
P = Historic average wet season rainfall rate for the project area
R = Residence Time = 14 days

A = 20.71 Ac

On-Site Basin	Assumptions	C	Area (ac)	CA
Basin Lake 7	Assumed CN of 93 and C of 0.77	0.77	22.77	17.49
	Total		**22.77**	**17.49**

Composite C = Total Product / Total Area

Composite C = 0.68

P = 31.04 in/122 days
R = 14 days

Vr = 4.18 Ac-Ft

b) 0.667 INCHES MINIMUM RUNOFF VOLUME (Vmin)

Vmin = 1.15 Ac-Ft

Vmin indicates 0.667 inches of runoff over the entire drainage area (project site + offsite)

Compare Vr to Vmin , the Permanent Wet Pool Volume (Vb) is the larger of the two

Vb = 4.18 Ac-Ft

III. WET DETENTION SYSTEM DESIGN POOL VOLUME (Vt)

The Wet Detention Design Pool Volume (Vt) is the sum of the Treatment Volume (Q) and the Permanent Wet Pool Volume (Vb)

Vt =Q+Vb =	**6.77 Ac-Ft**

Volume provided = Vr = 3*(A6) + 5*(A17)

A6 =	2.05 ac.
A17 =	1.65 ac.
Vr =	**14.40 Ac-ft**

Vr > Vt, Lake meets volume requirements.

IV. MINIMUM POND AREA (As)

Minimum pond area for alternative 3, based on treatment volume below control elevation of "u"-notch weir, is 0.5 inch of runoff and 10 inch maximum head or based on storing the wet detention design pool volume from shwl to a maximum depth of 8 feet.

35% of pond area at NWL shall be provided as littoral shelf at 2 feet below the control elevation.

a) Calculate Storage volume for 0.5 inch of runoff (Vw)

Drainage Area	20.71 Ac.
Runoff	0.5 in

Vw =	0.86 Ac-Ft

b) Calculate min. pond area based on 10 in. max. head fluctuation for a 0.5 in. runoff

As = Vw / (10 in * 1 Ft/ 12 in)

As =	1.04 Ac.

c) Calculate min. pond area based on design pool volume at a max. depths

Calculate for 35% storage at maximum depth of 2 feet and 65% at max. depth of 8 feet

As = (Vt) / (0.35*2 + 0.65* 8)

As =	1.1 Ac

Therefore, pond is OK!

Therefore, the correct minimum pond area, is the larger of the two As values computed above.

As = 1.1 Ac.

Compare minimum pond area to actual pond area at NWL

Anwl = 2.28 Ac.

greater than (>) Minimum Pond area.

V. NOTCH WEIR DIMENSION CALCULATIONS

a) Determine the stage elevation for 0.5 in of runoff over the drainage area.

The detention Volume for 0.5 in of runoff as calculated (Vw)

Vw = 0.86 Ac-Ft

Area of Pond at NWL = Anwl = 2.28 Ac

"H" is the stage elevation above the NWL, for the storage of the corresponding Vw detention Vol.

H = Vw/Anwl

H = 0.38 Ft

Calculate the flow rate at full head for Notch weir (Q1)

Q1 = CLH^1.5

Where, C - weir coefficient, 3.2

L - weir length, assumed to be 1 ft , to specify disch

Q1 =	0.75	CFS/Ft
Q2 =	0.48	CFS/Ft
Q3 =	0.26	CFS/Ft
Q4 =	0.09	CFS/Ft
Q5 =	0.00	CFS/Ft

Calculate the flow rate at full head for Notch weir (Q1)
Calculate the flow rate at 75% head for Notch weir (Q2)
Calculate the flow rate at 50% head for Notch weir (Q3)
Calculate the flow rate at 25% head for Notch weir (Q4)
Calculate the flow rate at 0% head for Notch weir (Q5)

37589 Cu-FT
86400 Seconds

Average Flow Rate Qav = (Q1+Q2+Q3+Q4+Q5)/5

Qav = 0.32 CFS/Ft

Detention Volume Vw = 0.86 Ac-ft or
Detention Time T = 24 Hrs or

Required Average Rate of Discharge: Qr = Vw / T

Qr = 0.44 CFS

33.63 Ft - NGVD (ie NWL)
34.01 Ft - NGVD

WET DETENTION TREATMENT

CONSERVATION DESIGN POOL BELOW SHWL WITHOUT DISCHARGE

Node No.: CORE Lake 10

Non Treating Lake - See L-100

I. TREATMENT VOLUME (Q)

Total Basin Area	**Basin 2**	10.13 Ac.
On-site Runoff		1.50 in.

Treatment Volume (Q) = 1.27 Ac-Ft

The Treatment Volume is the sum of a specified on-site runoff with corresponding off-site rainfall, offsite runoff is computed using rational coefficient (c).

II. PERMANENT WET POOL VOLUME (Vb)

Calculate the 14 day Residence Volume and the minimum runoff of 0.667 inches, and define the larger of the two as the Permanent Wet Pool Volume.

a) 14 DAY RESIDENCE VOUME (Vr)

Vr = (A) (C) (P) (R) (1FT/12IN)

where,

A = Total Basin Area
C = Composite Rational Runoff Coefficient
P = Historic average wet season rainfall rate for the project area
R = Residence Time = 14 days

A = 10.13 Ac

Basin	Assumptions	C	Area (ac)	CA
Basin 2	Assumed CN of 93 and C of 0.77	0.77	10.13	7.84
		Total	**10.13**	**7.84**

Composite C = Total Product / Total Area

Composite C = **0.77**

P = 31.04 in/122 days
R = 14 days

Vr = 2.33 Ac-Ft

b) 0.667 INCHES MINIMUM RUNOFF VOLUME (Vmin)

Vmin = 0.56 Ac-Ft

Vmin indicates 0.667 inches of runoff over the entire drainage area (project site + offsite)

Compare Vr to Vmin , the Permanent Wet Pool Volume (Vb) is the larger of the two

Vb = 2.33 Ac-Ft

III. WET DETENTION SYSTEM DESIGN POOL VOLUME (Vt)

The Wet Detention Design Pool Volume (Vt) is the sum of the Treatment Volume (Q) and the Permanent Wet Pool Volume (Vb)

Vt =Q+Vb =	**3.59 Ac-Ft**

Volume provided = Vr = 3*(A6) + 5*(A17)

A6 =	0.91 ac.	0.95
A17 =	0.71 ac.	0.8
Vr =	**6.28 Ac-ft**	

Vr > Vt, Lake meets volume requirements.

IV. MINIMUM POND AREA (As)

Minimum pond area for alternative 3, based on treatment volume below control elevation of "u"-notch weir, is 0.5 inch of runoff and 10 inch maximum head or based on storing the wet detention design pool volume from shwl to a maximum depth of 8 feet.

a) Calculate Storage volume for 0.5 inch of runoff (Vw)

Drainage Area	10.13	Ac.
Runoff	0.5	in

Vw =	0.42 Ac-Ft

b) Calculate min. pond area based on 10 in. max. head fluctuation for a 0.5 in. runoff

As = Vw / (10 in * 1 Ft/ 12 in)

As =	0.51 Ac.

c) Calculate min. pond area based on design pool volume at a max. depths

Calculate for a max. depth of 8 feet

As = (Vt) / 8

As =	0.449 Ac

Therefore, pond is OK!

Therefore, the correct minimum pond area, is the larger of the two As values computed above.

As = 0.507 Ac.

Compare minimum pond area to actual pond area at NWL

Anwl = 1.00 Ac.

greater than (>) Minimum Pond area.

V. NOTCH WEIR DIMENSION CALCULATIONS

a) Determine the stage elevation for 0.5 in of runoff over the drainage area.

The detention Volume for 0.5 in of runoff as calculated (Vw)

Vw = 0.42 Ac-Ft

1.00 Ac

Area of Pond at NWL = Anwl =

"H" is the stage elevation above the NWL, for the storage of the corresponding Vw detention Vol.

H = Vw/Anwl

H = 0.42 Ft

Calculate the flow rate at full head for Notch weir (Q1)

Q1 = CLH^1.5

Where, C - weir coefficient, 3.2

L - weir length, assumed to be 1 ft , to specify

Q1 =	0.88	CFS/Ft
Q2 =	0.57	CFS/Ft
Q3 =	0.31	CFS/Ft
Q4 =	0.11	CFS/Ft
Q5 =	0.00	CFS/Ft

Calculate the flow rate at full head for Notch weir (Q1)
Calculate the flow rate at 75% head for Notch weir (Q2)
Calculate the flow rate at 50% head for Notch weir (Q3)
Calculate the flow rate at 25% head for Notch weir (Q4) 18386 Cu-FT
Calculate the flow rate at 0% head for Notch weir (Q5) 86400 Seconds

Average Flow Rate Qav = (Q1+Q2+Q3+Q4+Q5)/5

Qav = 0.37 CFS/Ft

Detention Volume Vw = 0.42 Ac-ft or
Detention Time T = 24 Hrs or

Required Average Rate of Discharge: Qr = Vw / T

Qr = 0.21 CFS

30.84 Ft - NGVD (ie NWL)
31.26 Ft - NGVD

Calculate the length of the required 'U' notch weir: L = Qr/Qav

L = 0.57 Ft 6.837383

Notes: **Set First stage "U" notch weir at**
Set Second Stage Rectangular Weir at

WET DETENTION TREATMENT

CONSERVATION DESIGN POOL BELOW SHWL WITHOUT DISCHARGE

Node No. L-100

Basins Post 8, 9, Internals and B-100

I. TREATMENT VOLUME (Q)

Total Basin Area	40.45 Ac.
On-site Runoff	1.50 in.

Treatment Volume (Q) = 5.06 Ac-Ft

The Treatment Volume is the sum of a specified on-site runoff with corresponding off-site rainfall, offsite runoff is computed using rational coefficient (c).

II. PERMANENT WET POOL VOLUME (Vb)

Calculate the 14 day Residence Volume and the minimum runoff of 0.667 inches, and define the larger of the two as the Permanent Wet Pool Volume.

a) 14 DAY RESIDENCE VOUME (Vr)

Vr = (A) (C) (P) (R) (1FT/12IN)

where,

A = Total Basin Area
C = Composite Rational Runoff Coefficient
P = Historic average wet season rainfall rate for the project area
R = Residence Time = 14 days

A = 40.45 Ac

Basin	Assumptions	C	Area (ac)	CA
Basin 2		0.80	40.45	32.35
	Total		**40.45**	**32.35**

Composite C = Total Product / Total Area

Composite C = **0.80**

P = 31.04 in/122 days
R = 14 days

Vr = 9.60 Ac-Ft

b) 0.667 INCHES MINIMUM RUNOFF VOLUME (Vmin)

Vmin = 2.25 Ac-Ft

Vmin indicates 0.667 inches of runoff over the entire drainage area (project site + offsite)

Compare Vr to Vmin , the Permanent Wet Pool Volume (Vb) is the larger of the two

Vb = 9.60 Ac-Ft

III. WET DETENTION SYSTEM DESIGN POOL VOLUME (Vt)

The Wet Detention Design Pool Volume (Vt) is the sum of the Treatment Volume (Q) and the Permanent Wet Pool Volume (Vb)

Vt =Q+Vb =	**14.66 Ac-Ft**

Volume provided = Vr = 3*(A6) + 5*(A17)

A6 =	2.48 ac.	1.52
A17 =	1.79 ac.	1.18
Vr =	**16.39 Ac-ft**	

Vr > Vt, Lake meets volume requirements.

IV. MINIMUM POND AREA (As)

Minimum pond area for alternative 3, based on treatment volume below control elevation of "u"-notch weir, is 0.5 inch of runoff and 10 inch maximum head or based on storing the wet detention design pool volume from shwl to a maximum depth of 8 feet.

a) Calculate Storage volume for 0.5 inch of runoff (Vw)

Drainage Area	40.45	Ac.
Runoff	0.5	in

Vw =	1.69 Ac-Ft

b) Calculate min. pond area based on 10 in. max. head fluctuation for a 0.5 in. runoff

As = Vw / (10 in * 1 Ft/ 12 in)

As =	2.02 Ac.

c) Calculate min. pond area based on design pool volume at a max. depths

Calculate for a max. depth of 8 feet

As = (Vt) / 8

As =	1.832 Ac

Therefore, pond is OK!

Therefore, the correct minimum pond area, is the larger of the two As values computed above.

As = 2.023 Ac.

Compare minimum pond area to actual pond area at NWL

Anwl = 3.32 Ac. Combined areas of Lake 8, 9 and 100 A, B

greater than (>) Minimum Pond area.

V. NOTCH WEIR DIMENSION CALCULATIONS

a) Determine the stage elevation for 0.5 in of runoff over the drainage area.

The detention Volume for 0.5 in of runoff as calculated (Vw)

Vw = 1.69 Ac-Ft

3.32 Ac

Area of Pond at NWL = Anwl =

"H" is the stage elevation above the NWL, for the storage of the corresponding Vw detention Vol.

H = Vw/Anwl

H = 0.51 Ft

Calculate the flow rate at full head for Notch weir (Q1)

Q1 = CLH^1.5

Where, C - weir coefficient, 3.2

L - weir length, assumed to be 1 ft , to specify

Q1 =	1.16	CFS/Ft
Q2 =	0.75	CFS/Ft
Q3 =	0.41	CFS/Ft
Q4 =	0.14	CFS/Ft
Q5 =	0.00	CFS/Ft

Calculate the flow rate at full head for Notch weir (Q1)
Calculate the flow rate at 75% head for Notch weir (Q2)
Calculate the flow rate at 50% head for Notch weir (Q3)
Calculate the flow rate at 25% head for Notch weir (Q4) 73417 Cu-FT
Calculate the flow rate at 0% head for Notch weir (Q5) 86400 Seconds

Average Flow Rate Qav = (Q1+Q2+Q3+Q4+Q5)/5

Qav = 0.49 CFS/Ft

Detention Volume Vw = 1.69 Ac-ft or
Detention Time T = 24 Hrs or

Required Average Rate of Discharge: Qr = Vw / T

Qr = 0.85 CFS

32.00 Ft - NGVD (ie NWL)
32.51 Ft - NGVD

Calculate the length of the required 'U' notch weir: L = Qr/Qav

L = 1.72 Ft

Notes: **Set First stage "U" notch weir at**
Set Second Stage Rectangular Weir at

4. REVISED EXISTING CONDITIONS MODEL (RECM)

4A. RECM BASIN MAP

4B. RECM HYDROLOGY CALCULATIONS

4C. RECM NODE/LINK REPORT

4D. RECM ICPR INPUT REPORT

4E. RECM ICPR BASIN SUMMARY

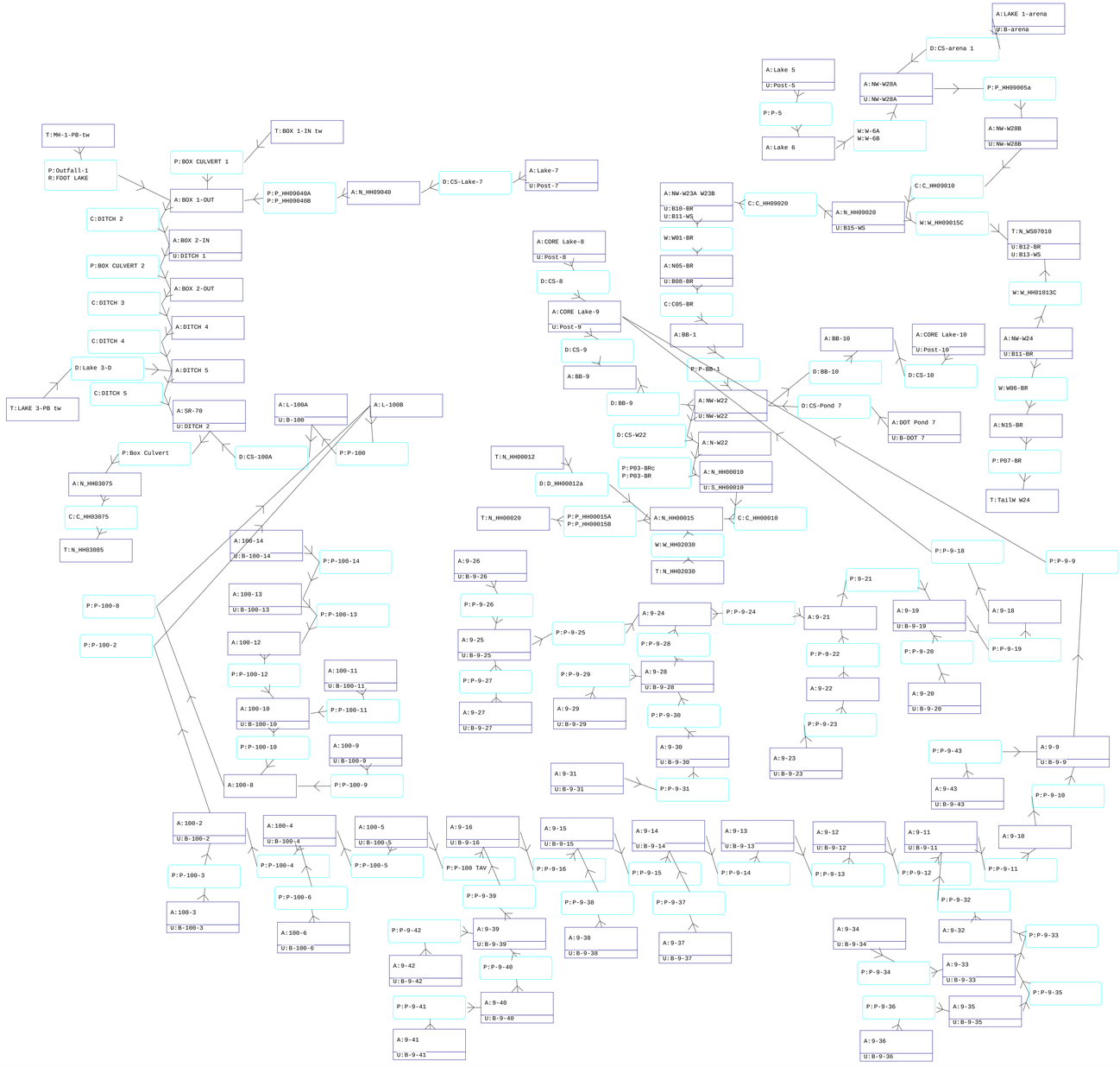
4F. RECM ICPR NODE MAXIMUM REPORT

4G. RECM ICPR LINK MAXIMUM REPORT

Nodes
A Stage/Area
V Stage/Volume
T Time/Stage
M Manhole

Basins
O Overland Flow
U SCS Unit CN
S SBUH CN
Y SCS Unit GA
Z SBUH GA

Links
P Pipe
W Weir
C Channel
D Drop Structure
B Bridge
R Rating Curve
H Breach
E Percolation
F Filter
X Exfil Trench



V:\2156\active\215612000\civil\analysis\storm master\models_working\DOT Road 7 Expansion\FLFLWD\DFOW_CORE_updated_proposed_DFOW_TCP_2_02_2018
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4. REVISED EXISTING CONDITIONS MODEL (RECM)

4A. RECM BASIN MAP

4B. RECM HYDROLOGY CALCULATIONS

4C. RECM NODE/LINK REPORT

4D. RECM ICPR INPUT REPORT

4E. RECM ICPR BASIN SUMMARY

4F. RECM ICPR NODE MAXIMUM REPORT

4G. RECM ICPR LINK MAXIMUM REPORT

```
================================================================================
==== Basins ====================================================================
================================================================================

         Name: B-100                    Node: L-100A                Status: Onsite
        Group: CORE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                   Peaking Factor: 256.0
          Rainfall File: Flmod                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 8.500                  Time of Conc(min): 16.80
              Area(ac): 9.070                     Time Shift(hrs): 0.00
          Curve Number: 92.00                Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

0.3 acres added to the south of Lake 100 B.

--------------------------------------------------------------------------------------------------
         Name: B-100-10                 Node: 100-10                Status: Onsite
        Group: Tavistock                Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                   Peaking Factor: 256.0
          Rainfall File: Flmod                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 8.000                  Time of Conc(min): 10.00
              Area(ac): 0.140                     Time Shift(hrs): 0.00
          Curve Number: 93.00                Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: B-100-11                 Node: 100-11                Status: Onsite
        Group: Tavistock                Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                   Peaking Factor: 256.0
          Rainfall File: Flmod                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 8.000                  Time of Conc(min): 10.00
              Area(ac): 0.310                     Time Shift(hrs): 0.00
          Curve Number: 96.00                Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: B-100-13                 Node: 100-13                Status: Onsite
        Group: Tavistock                Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                   Peaking Factor: 256.0
          Rainfall File: Flmod                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 8.000                  Time of Conc(min): 10.00
              Area(ac): 0.720                     Time Shift(hrs): 0.00
          Curve Number: 93.00                Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: B-100-14                 Node: 100-14                Status: Onsite
        Group: Tavistock                Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                   Peaking Factor: 256.0
          Rainfall File: Flmod                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 8.000                  Time of Conc(min): 10.00
              Area(ac): 1.730                     Time Shift(hrs): 0.00
          Curve Number: 93.00                Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: B-100-2                  Node: 100-2                 Status: Onsite
        Group: Tavistock                Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                   Peaking Factor: 256.0
          Rainfall File: Flmod                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 8.000                  Time of Conc(min): 10.00
              Area(ac): 1.500                     Time Shift(hrs): 0.00
          Curve Number: 96.00                Max Allowable Q(cfs): 999999.000
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DCIA(%): 0.00

Name: B-100-3 Node: 100-3 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.910 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-100-4 Node: 100-4 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 1.490 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-100-5 Node: 100-5 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.140 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-100-6 Node: 100-6 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.180 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-100-9 Node: 100-9 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.620 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-11 Node: 9-11 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.160 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000

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DCIA(%): 0.00

Name: B-9-12 Node: 9-12 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.230 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-13 Node: 9-13 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.670 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-14 Node: 9-14 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 1.480 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-15 Node: 9-15 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 1.460 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-16 Node: 9-16 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.130 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-19 Node: 9-19 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.330 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000

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DCIA(%): 0.00

Name: B-9-20 Node: 9-20 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.310 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-23 Node: 9-23 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 1.490 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-25 Node: 9-25 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.260 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-26 Node: 9-26 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.250 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-27 Node: 9-27 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 1.080 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-28 Node: 9-28 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.180 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000

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DCIA(%): 0.00

Name: B-9-29 Node: 9-29 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.160 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-30 Node: 9-30 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.200 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-31 Node: 9-31 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.180 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-33 Node: 9-33 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.110 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-34 Node: 9-34 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 1.310 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-35 Node: 9-35 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.040 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000

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DCIA(%): 0.00

Name: B-9-36 Node: 9-36 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.060 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-37 Node: 9-37 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 1.190 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-38 Node: 9-38 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.180 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-39 Node: 9-39 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.980 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-40 Node: 9-40 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.090 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-41 Node: 9-41 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.080 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000

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DCIA(%): 0.00

Name: B-9-42 Node: 9-42 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 1.040 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-43 Node: 9-43 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.310 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-9 Node: 9-9 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.170 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-arena Node: LAKE 1-arena Status: Onsite
Group: CORE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 22.280 Time Shift(hrs): 0.00
Curve Number: 95.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-DOT 7 Node: DOT Pond 7 Status: Onsite
Group: CORE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.400 Time of Conc(min): 35.11
Area(ac): 16.680 Time Shift(hrs): 0.00
Curve Number: 90.28 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

SR 70 from station 1421-75 to 1452+00 plus additional project area north and east of the pond.

Name: B08-BR Node: N05-BR Status: Onsite
Group: CORE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 30.00
Area(ac): 5.500 Time Shift(hrs): 0.00
Curve Number: 78.00 Max Allowable Q(cfs): 999999.000

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DCIA(%): 0.00

Remaining original basin area north of the project roadway.

Name: B10-BR Node: NW-W23A W23B Status: Onsite
Group: CORE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 69.00
Area(ac): 14.380 Time Shift(hrs): 0.00
Curve Number: 79.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B11-BR Node: NW-W24 Status: Onsite
Group: CORE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 21.00
Area(ac): 8.390 Time Shift(hrs): 0.00
Curve Number: 75.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B11-WS Node: NW-W23A W23B Status: Onsite
Group: CORE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 49.00
Area(ac): 19.360 Time Shift(hrs): 0.00
Curve Number: 80.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B12-BR Node: N_WS07010 Status: Onsite
Group: CORE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 40.00
Area(ac): 10.310 Time Shift(hrs): 0.00
Curve Number: 78.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B13-WS Node: N_WS07010 Status: Onsite
Group: CORE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 58.00
Area(ac): 70.080 Time Shift(hrs): 0.00
Curve Number: 71.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B15-WS Node: N_HH09020 Status: Onsite
Group: CORE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 68.00
Area(ac): 5.300 Time Shift(hrs): 0.00
Curve Number: 78.00 Max Allowable Q(cfs): 999999.000

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DCIA(%): 0.00

Name: DITCH 1 Node: BOX 2-IN Status: Onsite
Group: CORE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 10.00
Area(ac): 0.710 Time Shift(hrs): 0.00
Curve Number: 78.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 15.50

Name: DITCH 2 Node: SR-70 Status: Onsite
Group: CORE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 10.00
Area(ac): 1.050 Time Shift(hrs): 0.00
Curve Number: 78.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 19.00

Name: NW-W22 Node: NW-W22 Status: Onsite
Group: CORE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 20.00
Area(ac): 14.030 Time Shift(hrs): 0.00
Curve Number: 73.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: NW-W28A Node: NW-W28A Status: Onsite
Group: CORE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 20.00
Area(ac): 4.310 Time Shift(hrs): 0.00
Curve Number: 90.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: NW-W28B Node: NW-W28b Status: Onsite
Group: CORE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 25.00
Area(ac): 6.430 Time Shift(hrs): 0.00
Curve Number: 90.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: Post-10 Node: CORE Lake-10 Status: Onsite
Group: CORE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 10.130 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000

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DCIA(%): 0.00

Name: Post-5 Node: Lake 5 Status: Onsite
Group: CORE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 9.930 Time Shift(hrs): 0.00
Curve Number: 90.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: Post-7 Node: Lake-7 Status: Onsite
Group: CORE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 15.00
Area(ac): 20.710 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Basin was increased to incorporate additional aread to the south with the area from Rangeland Blvd.

Name: Post-8 Node: CORE Lake-8 Status: Onsite
Group: CORE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 2.350 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Roadway basin area.

Name: Post-9 Node: CORE Lake-9 Status: Onsite
Group: CORE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 15.00
Area(ac): 7.160 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Roadway and common area basin area.

Name: S_HH00010 Node: N_HH00010 Status: Onsite
Group: CORE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 32.32
Area(ac): 8.810 Time Shift(hrs): 0.00
Curve Number: 89.99 Max Allowable Q(cfs): 999999.000
DCIA(%): 3.97

==========
==== Nodes ==========
==========

Name: 100-10 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

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Stage(ft)	Area(ac)

Name: 100-11 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: 100-12 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: 100-13 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: 100-14 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: 100-2 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: 100-3 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: 100-4 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: 100-5 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

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```
      Stage(ft)        Area(ac)
-------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 100-6              Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 100-8              Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 100-9              Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 9-10               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 9-11               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 9-12               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 9-13               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 9-14               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
```


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```
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------
      Name: 9-15               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------
      Name: 9-16               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------
      Name: 9-18               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------
      Name: 9-19               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------
      Name: 9-20               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------
      Name: 9-21               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------
      Name: 9-22               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
```


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```
-------------------------------------------------------------------------------------------
      Name: 9-23               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 9-24               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 9-25               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 9-26               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 9-27               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 9-28               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 9-29               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 9-30               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
```


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--------------- ---------------

Name: 9-31 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft) Area(ac)
--------------- ---------------

Name: 9-32 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft) Area(ac)
--------------- ---------------

Name: 9-33 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft) Area(ac)
--------------- ---------------

Name: 9-34 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft) Area(ac)
--------------- ---------------

Name: 9-35 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft) Area(ac)
--------------- ---------------

Name: 9-36 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft) Area(ac)
--------------- ---------------

Name: 9-37 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft) Area(ac)
--------------- ---------------

Name: 9-38 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

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```
      Stage(ft)        Area(ac)
-------------- ---------------

--------------------------------------------------------------------------------------------
      Name: 9-39               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

--------------------------------------------------------------------------------------------
      Name: 9-40               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

--------------------------------------------------------------------------------------------
      Name: 9-41               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

--------------------------------------------------------------------------------------------
      Name: 9-42               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

--------------------------------------------------------------------------------------------
      Name: 9-43               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

--------------------------------------------------------------------------------------------
      Name: 9-9                Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

--------------------------------------------------------------------------------------------
      Name: BB-1               Base Flow(cfs): 0.000          Init Stage(ft): 28.900
     Group: CORE                                             Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

--------------------------------------------------------------------------------------------
      Name: BB-10              Base Flow(cfs): 0.000          Init Stage(ft): 30.700
     Group: CORE                                             Warn Stage(ft): 32.700
      Type: Stage/Area
```


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Stage(ft)	Area(ac)

Name: BB-9 Base Flow(cfs): 0.000 Init Stage(ft): 31.300
Group: CORE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: BOX 1-IN tw Base Flow(cfs): 0.000 Init Stage(ft): 30.040
Group: CORE Warn Stage(ft): 33.040
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	30.040
0.25	30.160
0.50	30.130
0.75	30.110
1.00	30.100
1.25	30.090
1.50	30.090
1.75	30.080
2.00	30.080
2.25	30.080
2.50	30.080
2.75	30.080
3.00	30.090
3.25	30.090
3.50	30.100
3.75	30.110
4.00	30.130
4.25	30.140
4.50	30.150
4.75	30.170
5.00	30.180
5.25	30.190
5.50	30.210
5.75	30.220
6.00	30.230
6.25	30.240
6.50	30.250
6.75	30.260
7.00	30.280
7.25	30.290
7.50	30.300
7.75	30.310
8.00	30.320
8.25	30.340
8.50	30.350
8.75	30.370
9.00	30.390
9.25	30.410
9.50	30.440
9.75	30.470
10.00	30.500
10.25	30.530
10.50	30.570
10.75	30.610
11.00	30.650
11.25	30.710
11.50	30.760
11.75	30.850
12.00	30.990
12.25	31.380
12.50	31.760
12.75	32.040
13.00	32.170

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13.25	32.190
13.50	32.190
13.75	32.190
14.00	32.190
14.25	32.190
14.50	32.200
14.75	32.220
15.00	32.240
15.25	32.250
15.50	32.270
15.75	32.290
16.00	32.300
16.25	32.320
16.50	32.330
16.75	32.340
17.00	32.350
17.25	32.360
17.50	32.360
17.75	32.360
18.00	32.360
18.25	32.360
18.50	32.360
18.75	32.360
19.00	32.350
19.25	32.340
19.50	32.340
19.75	32.330
20.00	32.320
20.25	32.320
20.50	32.310
20.75	32.300
21.00	32.290
21.25	32.270
21.50	32.260
21.75	32.250
22.00	32.230
22.25	32.220
22.50	32.200
22.75	32.180
23.00	32.160
23.25	32.140
23.50	32.120
23.75	32.090
24.00	32.060
24.25	32.030
24.50	32.000
24.75	31.960
25.00	31.920
25.25	31.880
25.50	31.840
25.75	31.800
26.00	31.770
26.25	31.730
26.50	31.700
26.75	31.670
27.00	31.640
27.25	31.610
27.50	31.580
27.75	31.550
28.00	31.520
28.25	31.490
28.50	31.470
28.75	31.440
29.00	31.410
29.25	31.380
29.50	31.350
29.75	31.320
30.00	31.300
30.25	31.270
30.50	31.250
30.75	31.230
31.00	31.210
31.25	31.190
31.50	31.180
31.75	31.160
32.00	31.140
32.25	31.120
32.50	31.100

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32.75	31.080
33.00	31.060
33.25	31.040
33.50	31.020
33.75	31.000
34.00	30.980
34.25	30.950
34.50	30.930
34.75	30.910
35.00	30.890
35.25	30.870
35.50	30.840
35.75	30.820
36.00	30.800
36.25	30.780
36.50	30.760
36.75	30.750
37.00	30.730
37.25	30.710
37.50	30.690
37.75	30.680
38.00	30.660
38.25	30.650
38.50	30.640
38.75	30.630
39.00	30.610
39.25	30.600
39.50	30.590
39.75	30.580
40.00	30.570
40.25	30.570
40.50	30.560
40.75	30.550
41.00	30.540
41.25	30.540
41.50	30.530
41.75	30.530
42.00	30.520
42.25	30.520
42.50	30.520
42.75	30.510
43.00	30.510
43.25	30.510
43.50	30.500
43.75	30.500
44.00	30.490
44.25	30.490
44.50	30.490
44.75	30.490
45.00	30.480
45.25	30.480
45.50	30.480
45.75	30.470
46.00	30.470
46.25	30.470
46.50	30.460
46.75	30.460
47.00	30.460
47.25	30.460
47.50	30.450
47.75	30.450
48.00	30.450

Name: BOX 1-OUT Base Flow(cfs): 0.000 Init Stage(ft): 30.040
Group: CORE Warn Stage(ft): 33.040
Type: Stage/Area

Stage(ft)	Area(ac)

Name: BOX 2-IN Base Flow(cfs): 0.000 Init Stage(ft): 30.040
Group: CORE Warn Stage(ft): 33.040
Type: Stage/Area

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Stage(ft)	Area(ac)

Name: BOX 2-OUT Base Flow(cfs): 0.000 Init Stage(ft): 30.040
Group: CORE Warn Stage(ft): 33.040
Type: Stage/Area

Stage(ft)	Area(ac)

Name: CORE Lake-10 Base Flow(cfs): 0.000 Init Stage(ft): 30.840
Group: CORE Warn Stage(ft): 32.840
Type: Stage/Area

Stage(ft)	Area(ac)
30.840	1.0200
33.840	1.2700

Name: CORE Lake-8 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: CORE Warn Stage(ft): 34.000
Type: Stage/Area

New Lake

Stage(ft)	Area(ac)
32.000	0.4300
35.000	0.6500

Name: CORE Lake-9 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: CORE Warn Stage(ft): 34.000
Type: Stage/Area

New lake.

Stage(ft)	Area(ac)
32.000	0.7500
35.000	0.9700

Name: DITCH 4 Base Flow(cfs): 0.000 Init Stage(ft): 30.040
Group: CORE Warn Stage(ft): 34.040
Type: Stage/Area

Stage(ft)	Area(ac)

Name: DITCH 5 Base Flow(cfs): 0.000 Init Stage(ft): 30.040
Group: CORE Warn Stage(ft): 34.040
Type: Stage/Area

Stage(ft)	Area(ac)

Name: DOT Pond 7 Base Flow(cfs): 0.000 Init Stage(ft): 30.840
Group: CORE Warn Stage(ft): 32.740
Type: Stage/Area

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Stage(ft)	Area(ac)
30.840	2.2240
33.740	2.6830

Name: L-100A Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: CORE Warn Stage(ft): 34.000
Type: Stage/Area

Stage(ft)	Area(ac)
32.000	0.6300
34.940	0.8300

Name: L-100B Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: CORE Warn Stage(ft): 34.000
Type: Stage/Area

Lake shape and area has been revised.

Stage(ft)	Area(ac)
32.000	1.5100
35.000	1.8200

Name: LAKE 1-arena Base Flow(cfs): 0.000 Init Stage(ft): 35.940
Group: CORE Warn Stage(ft): 39.000
Type: Stage/Area

Stage(ft)	Area(ac)
35.940	4.2200
39.000	4.7400

Name: LAKE 3-PB tw Base Flow(cfs): 0.000 Init Stage(ft): 30.040
Group: CORE Warn Stage(ft): 34.040
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	30.040
0.25	30.040
0.50	30.040
0.75	30.040
1.00	30.040
1.25	30.050
1.50	30.060
1.75	30.080
2.00	30.090
2.25	30.110
2.50	30.130
2.75	30.150
3.00	30.170
3.25	30.190
3.50	30.210
3.75	30.230
4.00	30.250
4.25	30.270
4.50	30.290
4.75	30.310
5.00	30.330
5.25	30.350
5.50	30.370
5.75	30.390
6.00	30.410
6.25	30.430
6.50	30.450
6.75	30.470

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7.00	30.500
7.25	30.520
7.50	30.540
7.75	30.570
8.00	30.590
8.25	30.610
8.50	30.640
8.75	30.670
9.00	30.700
9.25	30.730
9.50	30.770
9.75	30.800
10.00	30.840
10.25	30.890
10.50	30.940
10.75	31.000
11.00	31.060
11.25	31.130
11.50	31.240
11.75	31.520
12.00	32.110
12.25	32.780
12.50	33.190
12.75	33.380
13.00	33.450
13.25	33.470
13.50	33.470
13.75	33.460
14.00	33.440
14.25	33.410
14.50	33.390
14.75	33.360
15.00	33.320
15.25	33.290
15.50	33.260
15.75	33.220
16.00	33.190
16.25	33.150
16.50	33.110
16.75	33.080
17.00	33.040
17.25	33.010
17.50	32.970
17.75	32.940
18.00	32.900
18.25	32.870
18.50	32.840
18.75	32.800
19.00	32.770
19.25	32.740
19.50	32.700
19.75	32.670
20.00	32.640
20.25	32.610
20.50	32.580
20.75	32.550
21.00	32.520
21.25	32.490
21.50	32.460
21.75	32.430
22.00	32.400
22.25	32.380
22.50	32.350
22.75	32.320
23.00	32.290
23.25	32.270
23.50	32.240
23.75	32.210
24.00	32.180
24.25	32.150
24.50	32.110
24.75	32.060
25.00	32.020
25.25	31.980
25.50	31.940
25.75	31.900
26.00	31.850
26.25	31.810

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26.50	31.770
26.75	31.730
27.00	31.690
27.25	31.650
27.50	31.610
27.75	31.580
28.00	31.540
28.25	31.500
28.50	31.470
28.75	31.430
29.00	31.400
29.25	31.360
29.50	31.330
29.75	31.290
30.00	31.260
30.25	31.230
30.50	31.200
30.75	31.170
31.00	31.140
31.25	31.110
31.50	31.090
31.75	31.060
32.00	31.030
32.25	31.010
32.50	30.980
32.75	30.960
33.00	30.940
33.25	30.910
33.50	30.890
33.75	30.870
34.00	30.850
34.25	30.830
34.50	30.810
34.75	30.790
35.00	30.770
35.25	30.750
35.50	30.740
35.75	30.720
36.00	30.700
36.25	30.690
36.50	30.670
36.75	30.650
37.00	30.640
37.25	30.630
37.50	30.610
37.75	30.600
38.00	30.580
38.25	30.570
38.50	30.560
38.75	30.550
39.00	30.530
39.25	30.520
39.50	30.510
39.75	30.500
40.00	30.490
40.25	30.480
40.50	30.470
40.75	30.460
41.00	30.450
41.25	30.440
41.50	30.430
41.75	30.430
42.00	30.420
42.25	30.410
42.50	30.400
42.75	30.390
43.00	30.390
43.25	30.380
43.50	30.370
43.75	30.370
44.00	30.360
44.25	30.350
44.50	30.350
44.75	30.340
45.00	30.340
45.25	30.330
45.50	30.330
45.75	30.320

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46.00	30.320
46.25	30.310
46.50	30.310
46.75	30.300
47.00	30.300
47.25	30.290
47.50	30.290
47.75	30.280
48.00	30.280

Name: Lake 5 Base Flow(cfs): 0.000 Init Stage(ft): 33.160
Group: CORE Warn Stage(ft): 36.600
Type: Stage/Area

Stage(ft)	Area(ac)
33.160	0.8400
36.600	1.1100

Name: Lake 6 Base Flow(cfs): 0.000 Init Stage(ft): 33.160
Group: CORE Warn Stage(ft): 36.600
Type: Stage/Area

Stage(ft)	Area(ac)
33.160	0.5800
36.600	0.7900

Name: Lake-7 Base Flow(cfs): 0.000 Init Stage(ft): 33.630
Group: CORE Warn Stage(ft): 35.300
Type: Stage/Area

Lake size and shape as been modified larger while filling in the southern portion of the lake.

Stage(ft)	Area(ac)
33.630	2.3400
36.300	2.7700

Name: MH-1-PB-tw Base Flow(cfs): 0.000 Init Stage(ft): 30.040
Group: CORE Warn Stage(ft): 34.040
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	30.040
0.25	29.120
0.50	29.090
0.75	29.080
1.00	29.070
1.25	29.060
1.50	29.060
1.75	29.060
2.00	29.050
2.25	29.050
2.50	29.050
2.75	29.050
3.00	29.050
3.25	29.050
3.50	29.050
3.75	29.050
4.00	29.050
4.25	29.060
4.50	29.060
4.75	29.070
5.00	29.070
5.25	29.080
5.50	29.080

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5.75	29.080
6.00	29.090
6.25	29.090
6.50	29.100
6.75	29.110
7.00	29.110
7.25	29.120
7.50	29.120
7.75	29.130
8.00	29.140
8.25	29.140
8.50	29.150
8.75	29.170
9.00	29.190
9.25	29.230
9.50	29.270
9.75	29.320
10.00	29.370
10.25	29.420
10.50	29.470
10.75	29.540
11.00	29.610
11.25	29.700
11.50	29.810
11.75	30.020
12.00	30.510
12.25	31.080
12.50	31.670
12.75	32.050
13.00	32.280
13.25	32.340
13.50	32.360
13.75	32.360
14.00	32.350
14.25	32.340
14.50	32.350
14.75	32.360
15.00	32.390
15.25	32.430
15.50	32.470
15.75	32.490
16.00	32.520
16.25	32.540
16.50	32.570
16.75	32.590
17.00	32.610
17.25	32.630
17.50	32.650
17.75	32.660
18.00	32.670
18.25	32.680
18.50	32.690
18.75	32.700
19.00	32.700
19.25	32.710
19.50	32.710
19.75	32.710
20.00	32.710
20.25	32.710
20.50	32.710
20.75	32.710
21.00	32.700
21.25	32.690
21.50	32.680
21.75	32.670
22.00	32.650
22.25	32.640
22.50	32.620
22.75	32.600
23.00	32.580
23.25	32.540
23.50	32.490
23.75	32.440
24.00	32.380
24.25	32.290
24.50	32.200
24.75	32.100
25.00	32.000

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25.25	31.900
25.50	31.810
25.75	31.730
26.00	31.660
26.25	31.600
26.50	31.550
26.75	31.500
27.00	31.460
27.25	31.420
27.50	31.380
27.75	31.340
28.00	31.310
28.25	31.280
28.50	31.250
28.75	31.210
29.00	31.180
29.25	31.140
29.50	31.100
29.75	31.060
30.00	31.010
30.25	30.970
30.50	30.930
30.75	30.890
31.00	30.840
31.25	30.800
31.50	30.760
31.75	30.720
32.00	30.680
32.25	30.640
32.50	30.600
32.75	30.560
33.00	30.520
33.25	30.480
33.50	30.430
33.75	30.390
34.00	30.350
34.25	30.310
34.50	30.270
34.75	30.230
35.00	30.180
35.25	30.140
35.50	30.100
35.75	30.060
36.00	30.020
36.25	29.980
36.50	29.950
36.75	29.910
37.00	29.880
37.25	29.850
37.50	29.820
37.75	29.800
38.00	29.770
38.25	29.750
38.50	29.730
38.75	29.710
39.00	29.680
39.25	29.670
39.50	29.650
39.75	29.630
40.00	29.610
40.25	29.600
40.50	29.580
40.75	29.570
41.00	29.560
41.25	29.550
41.50	29.540
41.75	29.530
42.00	29.520
42.25	29.510
42.50	29.500
42.75	29.500
43.00	29.490
43.25	29.480
43.50	29.480
43.75	29.470
44.00	29.460
44.25	29.460
44.50	29.450

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44.75	29.440
45.00	29.440
45.25	29.430
45.50	29.430
45.75	29.420
46.00	29.410
46.25	29.410
46.50	29.400
46.75	29.400
47.00	29.390
47.25	29.390
47.50	29.380
47.75	29.370
48.00	29.370

Name: N-W22 Base Flow(cfs): 0.000 Init Stage(ft): 29.270
Group: CORE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N05-BR Base Flow(cfs): 0.000 Init Stage(ft): 32.110
Group: CORE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N15-BR Base Flow(cfs): 0.000 Init Stage(ft): 29.360
Group: CORE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N_HH00010 Base Flow(cfs): 0.000 Init Stage(ft): 29.270
Group: CORE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
28.570	0.0010
29.070	0.0130
29.570	0.0400
30.070	0.0810
30.570	0.2580
31.070	0.7630
31.570	1.3610
32.070	1.8570
32.570	2.2920
33.070	2.7510
33.570	3.4760
34.070	4.4080
34.570	5.2410
35.070	5.7160
35.570	6.0870
36.070	6.7540

Name: N_HH00012 Base Flow(cfs): 29.410 Init Stage(ft): 0.000
Group: CORE Warn Stage(ft): 0.000
Type: Time/Stage

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Time(hrs)	Stage(ft)
0.00	29.410
1.29	29.410
7.44	29.700
11.65	30.200
12.73	31.530
16.51	30.700
23.42	30.450
30.00	29.820
60.00	29.470
120.00	29.430

Name: N_HH00015 Base Flow(cfs): 0.800 Init Stage(ft): 23.540
Group: CORE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
27.860	0.0010
28.360	0.0070
28.860	0.0240
29.360	0.0820
29.860	0.3030
30.360	0.6420
30.860	0.9780
31.360	1.2790
31.860	1.5850
32.360	1.9060
32.860	2.1600
33.360	2.3860
33.860	2.6800
34.360	2.8900
34.860	2.9650
35.200	2.9670
45.200	2.9680

Name: N_HH00020 Base Flow(cfs): 0.000 Init Stage(ft): 23.470
Group: CORE Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	23.490
1.30	23.490
8.52	24.450
11.65	25.890
14.57	28.960
17.16	29.230
23.31	28.750
33.67	25.870
52.66	24.180
120.00	23.540

Name: N_HH02030 Base Flow(cfs): 0.000 Init Stage(ft): 29.570
Group: CORE Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	29.570
1.40	29.570
11.33	30.190
12.73	30.860
15.21	30.500
19.31	30.790
22.55	30.400
28.38	29.870
59.57	29.660

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120.00	29.600

Name: N_HH03075 Base Flow(cfs): 0.000 Init Stage(ft): 27.360
Group: CORE Warn Stage(ft): 34.040
Type: Stage/Area

Stage(ft)	Area(ac)
29.350	0.0010
29.850	0.0140
30.350	0.0530
30.850	0.0820
31.350	0.1100
31.850	0.1580
32.350	0.2070
32.850	0.2960
33.350	0.9230
33.850	2.1800
34.350	2.7790
34.850	3.0450
35.350	3.2380

Name: N_HH03085 Base Flow(cfs): 0.000 Init Stage(ft): 23.560
Group: CORE Warn Stage(ft): 30.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	26.250
5.20	26.270
11.80	27.530
14.40	29.330
16.90	29.610
23.30	29.060
33.60	27.450
53.00	26.640
80.00	26.330

Name: N_HH09020 Base Flow(cfs): 0.000 Init Stage(ft): 30.400
Group: CORE Warn Stage(ft): 36.000
Type: Stage/Area

Stage(ft)	Area(ac)
29.940	0.0010
30.440	0.0050
30.940	0.0360
31.440	0.2200
31.940	0.6510
32.440	1.4760
32.940	3.6170
33.440	8.0070
33.940	12.0870
34.440	13.7180
34.940	13.9050
35.440	13.9590
36.890	13.9880

Name: N_HH09040 Base Flow(cfs): 0.000 Init Stage(ft): 30.400
Group: CORE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
30.475	0.0010
30.725	0.0020

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31.225	0.0030
31.725	0.0320
32.225	0.1470
32.725	0.3100
33.225	0.6100
33.725	1.9110
34.225	3.4380
34.725	4.9410
35.225	5.3510
35.725	5.4220
36.225	5.5090
36.804	5.5540
42.132	5.5540

Name: N_WS07010 Base Flow(cfs): 0.000 Init Stage(ft): 27.630
Group: CORE Warn Stage(ft): 30.100
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	27.630
3.20	27.630
7.00	28.620
11.60	29.470
12.80	29.810
13.70	29.840
15.30	29.740
20.00	29.580
24.50	29.490
25.50	29.440
30.00	29.060
40.00	28.810
50.00	28.490
60.00	28.360

Name: NW-W22 Base Flow(cfs): 0.000 Init Stage(ft): 29.270
Group: CORE Warn Stage(ft): 32.500
Type: Stage/Area

Total area reduced. Stage and areas confirmed from lidar areas.

Stage(ft)	Area(ac)
29.940	0.0000
30.250	5.9100
30.500	8.2100
30.750	10.4700
31.000	12.4000
31.250	12.8800
31.500	13.1700
31.750	13.4600
32.000	13.7500
32.250	14.0300
33.000	14.0300

Name: NW-W23A W23B Base Flow(cfs): 0.000 Init Stage(ft): 31.370
Group: CORE Warn Stage(ft): 34.000
Type: Stage/Area

Stage and area used from Braden River Model N_HH09025

Stage(ft)	Area(ac)
31.370	0.1330
31.850	0.3850
32.350	1.2000
32.850	2.1850
33.350	3.1900
33.850	5.9490
34.350	14.2730

Name: NW-W24 Base Flow(cfs): 0.000 Init Stage(ft): 31.370

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Group: CORE Warn Stage(ft): 33.040
Type: Stage/Area

Stage(ft)	Area(ac)
31.370	0.0500
32.460	1.0000
33.040	1.6300

Name: NW-W28A Base Flow(cfs): 0.000 Init Stage(ft): 31.830
Group: CORE Warn Stage(ft): 0.000
Type: Stage/Area

Braden River node N_HH09005.

Stage(ft)	Area(ac)
31.000	2.3290
33.250	2.9470
33.750	3.4160
34.250	3.9530
34.750	5.2650
35.250	7.8020
35.750	8.3380
36.250	8.5270
36.750	8.6720
37.250	8.6950
37.750	8.7010
38.070	8.7030
48.070	8.7030

Name: NW-W28B Base Flow(cfs): 0.000 Init Stage(ft): 30.990
Group: CORE Warn Stage(ft): 37.000
Type: Stage/Area

Braden River node N_HH09005

Stage(ft)	Area(ac)
30.860	0.0010
31.360	0.0140
31.860	0.0820
32.360	0.3120
32.860	0.7830
33.360	1.6370
33.860	2.4830
34.360	3.2650
34.860	4.8530
35.360	6.5930
35.860	7.7040
36.360	9.6030

Name: SR-70 Base Flow(cfs): 0.000 Init Stage(ft): 30.040
Group: CORE Warn Stage(ft): 34.040
Type: Stage/Area

Stage(ft)	Area(ac)

Name: TailW W24 Base Flow(cfs): 0.000 Init Stage(ft): 32.880
Group: CORE Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	32.860
4.00	32.880

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7.00	32.970
10.00	33.140
11.75	33.390
13.00	34.250
15.00	34.370
16.00	34.380
17.00	34.370
19.00	34.340
22.00	34.290
25.00	34.200
28.00	34.090
31.00	33.990
34.00	33.900
37.00	33.830
40.00	33.780

==========
==== Cross Sections ==========
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Name: 08141302MB_XOW Group: CORE
Encroachment: No

Terrain: 2004 LIDAR/TIN

Station(ft)	Elevation(ft)	Manning's N
0.000	33.500	0.000000
14.000	33.570	0.000000
20.900	33.300	0.000000
33.800	33.640	0.000000
39.200	33.370	0.000000
53.100	33.280	0.000000
68.900	33.480	0.000000
83.700	33.360	0.000000
92.300	33.550	0.000000
117.200	33.270	0.000000
121.300	33.510	0.000000
145.500	33.300	0.000000
157.200	33.540	0.000000
191.300	33.440	0.000000
198.900	33.220	0.000000
207.400	33.190	0.000000
215.500	33.240	0.000000
219.600	33.420	0.000000
230.000	33.310	0.000000
239.600	33.440	0.000000
244.600	33.270	0.000000
260.700	33.420	0.000000
274.000	33.270	0.000000
291.300	33.390	0.000000
315.900	33.310	0.000000
326.500	33.070	0.000000
331.100	33.280	0.000000
340.700	33.280	0.000000
350.700	33.060	0.000000
367.300	33.120	0.000000
383.900	32.920	0.000000
396.800	33.090	0.000000
402.300	33.400	0.000000
415.600	33.080	0.000000
418.400	33.190	0.000000
425.100	32.940	0.000000
434.200	33.210	0.000000
443.600	33.200	0.000000
448.300	32.980	0.000000
454.200	32.940	0.000000
464.900	33.270	0.000000
476.200	33.080	0.000000
490.400	33.300	0.000000
495.700	33.120	0.000000
512.900	33.390	0.000000
519.800	33.190	0.000000
553.700	33.100	0.000000
561.200	33.300	0.000000
601.300	33.130	0.000000
616.900	33.310	0.000000

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646.700	33.120	0.000000
654.900	33.290	0.000000
670.400	33.230	0.000000
683.000	33.400	0.000000
710.000	33.200	0.000000
725.300	33.340	0.000000
740.700	33.220	0.000000
752.100	33.370	0.000000
769.700	33.230	0.000000
772.800	33.020	0.000000
781.600	33.640	0.000000
807.700	33.840	0.000000
814.100	33.820	0.000000
826.000	33.060	0.000000
852.500	33.060	0.000000
868.100	33.270	0.000000
890.900	33.040	0.000000
921.500	34.060	0.000000
928.200	33.890	0.000000
947.000	34.100	0.000000
1003.500	32.790	0.000000
1040.400	33.650	0.000000
1085.600	33.610	0.000000

Name: 1513MB_XOW Group: CORE
Encroachment: No

X-Section taken from Braden River 1513MB_XOW cross-section.

Station(ft)	Elevation(ft)	Manning's N
0.000	35.950	0.000000
775.000	35.090	0.000000
890.330	35.800	0.000000

Name: 1625MB_XOW Group: CORE
Encroachment: No

Terrain: 2004 LIDAR/TIN

Station(ft)	Elevation(ft)	Manning's N
0.000	34.140	0.000000
67.230	33.050	0.000000
79.200	34.270	0.000000
117.820	33.220	0.000000
490.470	33.500	0.000000
667.740	32.460	0.000000
741.500	33.990	0.000000

Name: 173519_358 Group: CORE
Encroachment: No

Terrain: 2004 LIDAR/TIN

Station(ft)	Elevation(ft)	Manning's N
1.690	33.420	0.030000
17.030	32.450	0.030000
20.450	32.250	0.030000
20.550	32.220	0.030000
21.440	32.150	0.030000
21.850	32.030	0.030000
25.230	30.990	0.030000
32.310	30.990	0.030000
35.240	30.990	0.030000
36.710	33.180	0.030000
37.630	33.610	0.030000
42.490	34.000	0.030000
46.950	34.730	0.030000

Name: 173519_359 Group: CORE
Encroachment: No

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Terrain: 2004 LIDAR/TIN

Station(ft)	Elevation(ft)	Manning's N
6.310	33.860	0.030000
6.430	33.640	0.030000
7.690	32.460	0.030000
8.870	31.370	0.030000
11.580	29.200	0.030000
17.250	29.200	0.030000
21.590	29.200	0.030000
27.000	31.150	0.030000
28.000	31.430	0.030000
29.450	32.050	0.030000
31.010	32.700	0.030000
32.270	33.300	0.030000
32.940	33.570	0.030000
33.350	33.850	0.030000

Name: 173519_360 Group: CORE
Encroachment: No

Terrain: 2004 LIDAR/TIN

Station(ft)	Elevation(ft)	Manning's N
8.450	33.470	0.035000
11.100	32.020	0.035000
12.010	31.720	0.035000
17.540	31.080	0.035000
19.550	29.720	0.035000
20.420	29.160	0.035000
22.290	29.630	0.035000
25.330	30.420	0.035000
27.410	31.030	0.035000
28.230	31.340	0.035000
29.880	31.960	0.035000
31.610	32.280	0.035000
34.640	33.000	0.035000

Name: 173519_378 Group: CORE
Encroachment: No

Terrain: 2004 LIDAR/TIN

Station(ft)	Elevation(ft)	Manning's N
5.450	35.220	0.035000
7.830	34.830	0.035000
8.580	34.710	0.035000
9.430	34.530	0.035000
11.940	33.060	0.035000
14.330	32.130	0.035000
15.090	31.960	0.035000
17.100	31.690	0.035000
19.680	29.990	0.035000
20.760	29.200	0.035000
23.300	29.950	0.035000
24.540	30.350	0.035000
38.060	32.600	0.035000
40.820	32.820	0.035000
41.320	32.860	0.035000

Name: 173519_386_XOW Group: CORE
Encroachment: No

Terrain: 2004 LIDAR/TIN

Station(ft)	Elevation(ft)	Manning's N
0.000	34.050	0.000000
4.240	33.830	0.000000
11.190	33.850	0.000000
15.420	33.700	0.000000
22.520	34.010	0.000000

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30.530	33.790	0.000000
34.070	33.910	0.000000
38.460	33.730	0.000000
53.080	33.580	0.000000
61.530	33.670	0.000000
65.560	33.420	0.000000
69.850	33.550	0.000000
83.080	33.430	0.000000
131.150	33.640	0.000000
170.260	33.490	0.000000
173.380	33.690	0.000000
188.570	33.540	0.000000
208.290	33.820	0.000000
234.680	33.340	0.000000
236.900	33.690	0.000000
240.760	33.450	0.000000
247.310	33.410	0.000000
251.740	33.690	0.000000
256.900	33.730	0.000000
260.790	33.520	0.000000
274.960	33.610	0.000000
278.240	33.480	0.000000
286.410	33.660	0.000000
307.820	33.400	0.000000
316.620	33.610	0.000000
326.730	33.520	0.000000
332.450	33.710	0.000000
341.500	33.380	0.000000
357.530	33.640	0.000000
363.570	33.550	0.000000
368.190	33.720	0.000000
372.260	33.580	0.000000
382.200	33.670	0.000000
405.080	33.430	0.000000
419.920	33.620	0.000000
435.490	33.430	0.000000
439.650	33.600	0.000000
453.370	33.650	0.000000
475.440	33.440	0.000000
477.770	33.300	0.000000
485.390	33.610	0.000000
497.080	33.350	0.000000
503.700	33.660	0.000000
512.140	33.330	0.000000
519.030	33.660	0.000000
529.490	33.630	0.000000
533.770	33.450	0.000000
538.400	33.590	0.000000
541.310	33.450	0.000000
544.310	33.660	0.000000
551.390	33.520	0.000000
553.470	33.660	0.000000
565.610	33.700	0.000000
571.500	33.570	0.000000
579.840	33.740	0.000000
586.210	33.620	0.000000
588.450	33.750	0.000000
601.040	33.760	0.000000
608.720	33.590	0.000000
615.110	33.780	0.000000
620.520	33.640	0.000000
625.880	33.760	0.000000
634.200	33.560	0.000000
659.310	33.640	0.000000

Name: 173519_410_XOW Group: CORE
Encroachment: No

Terrain: 2004 LIDAR/TIN

Station(ft)	Elevation(ft)	Manning's N
0.000	34.650	0.000000
55.690	32.820	0.000000
288.860	32.240	0.000000
288.920	32.240	0.000000
313.810	32.990	0.000000

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387.510	33.150	0.000000

Name: 203519_299 Group: CORE
Encroachment: No

Terrain: 2004 LIDAR/TIN

Station(ft)	Elevation(ft)	Manning's N
34.060	31.890	0.150000
34.690	31.900	0.150000
34.760	31.860	0.150000
39.850	29.770	0.150000
43.880	27.620	0.150000
46.180	26.720	0.150000
50.960	23.160	0.070000
55.740	26.290	0.070000
59.120	26.950	0.150000
60.250	27.200	0.150000
67.850	29.930	0.150000

Name: 203519_304 Group: CORE
Encroachment: No

Survey: PH2 by ZNS in 2008

Station(ft)	Elevation(ft)	Manning's N
-14.000	31.190	0.150000
11.000	30.760	0.150000
25.000	29.590	0.150000
27.000	29.330	0.070000
28.000	29.260	0.070000
30.000	29.410	0.070000
32.000	29.620	0.070000
40.000	30.020	0.150000
73.000	30.310	0.150000
108.000	30.380	0.150000
125.000	30.750	0.150000

Name: 203519_332_XOW Group: CORE
Encroachment: No

Terrain: 2004 LIDAR/TIN

Station(ft)	Elevation(ft)	Manning's N
0.000	33.740	0.000000
12.090	33.910	0.000000
18.900	34.320	0.000000
33.550	34.340	0.000000
38.910	33.640	0.000000
47.160	33.610	0.000000
48.860	33.430	0.000000
53.440	33.580	0.000000
57.630	33.500	0.000000
60.350	33.160	0.000000
68.270	33.850	0.000000
90.490	33.860	0.000000
120.010	34.190	0.000000
132.450	33.540	0.000000
135.950	33.550	0.000000
146.170	34.270	0.000000
198.800	34.380	0.000000
206.930	34.350	0.000000
215.330	34.090	0.000000
226.510	34.760	0.000000
272.500	34.600	0.000000
283.890	34.280	0.000000
288.160	33.920	0.000000
297.700	33.560	0.000000
302.620	33.570	0.000000
349.370	34.580	0.000000
368.750	34.780	0.000000
375.270	35.160	0.000000

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390.410	33.480	0.000000
397.390	32.170	0.000000
402.770	31.900	0.000000
420.340	32.240	0.000000
442.450	32.010	0.000000
450.270	32.830	0.000000
463.040	32.960	0.000000
467.510	32.560	0.000000
472.890	32.430	0.000000
480.540	32.400	0.000000
484.690	32.670	0.000000
491.830	32.730	0.000000
493.880	32.470	0.000000
501.920	32.590	0.000000
513.490	32.300	0.000000
515.750	32.100	0.000000
518.840	32.250	0.000000
525.310	32.220	0.000000
528.400	32.570	0.000000
534.200	32.520	0.000000
540.070	32.970	0.000000
541.720	32.980	0.000000
543.500	32.610	0.000000
547.210	32.960	0.000000
556.510	32.390	0.000000
560.710	32.830	0.000000
567.130	32.710	0.000000
581.720	33.570	0.000000
587.080	32.670	0.000000
592.140	32.980	0.000000
597.230	32.940	0.000000
602.690	32.340	0.000000
607.740	32.090	0.000000
618.320	31.980	0.000000
622.450	31.560	0.000000
626.180	31.740	0.000000
631.690	31.570	0.000000
636.460	31.950	0.000000
661.250	32.010	0.000000
664.380	31.310	0.000000
665.400	31.260	0.000000
685.160	31.480	0.000000
690.960	31.420	0.000000
696.500	31.150	0.000000
699.020	31.610	0.000000
707.470	31.460	0.000000
711.540	31.880	0.000000
714.570	32.510	0.000000
725.280	32.760	0.000000
729.880	33.440	0.000000
736.020	33.840	0.000000
741.660	32.770	0.000000
745.710	33.530	0.000000
747.710	33.690	0.000000
758.650	32.700	0.000000
761.570	32.820	0.000000
763.020	33.120	0.000000
764.510	33.110	0.000000
768.440	32.770	0.000000
777.250	31.630	0.000000
792.740	32.300	0.000000
806.690	32.090	0.000000
811.910	31.920	0.000000
818.640	30.880	0.000000
842.360	30.430	0.000000
848.550	30.620	0.000000
865.230	30.530	0.000000
875.670	30.350	0.000000
893.830	29.560	0.000000
920.620	30.980	0.000000
936.130	30.970	0.000000
971.720	32.490	0.000000

Name: 203519_346 Group: CORE
Encroachment: No

Survey: PH2 by ZNS in 2008

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Station(ft)	Elevation(ft)	Manning's N
0.000	32.150	0.150000
18.000	31.940	0.150000
29.000	30.550	0.150000
33.000	24.910	0.045000
38.000	25.050	0.045000
40.000	26.070	0.045000
47.000	32.210	0.045000
51.000	33.580	0.045000
64.000	32.280	0.150000
69.000	32.610	0.150000
71.970	33.330	0.035000
74.470	33.560	0.035000
77.370	33.850	0.035000
80.960	33.720	0.035000
81.230	33.700	0.035000

Name: 203519_380 Group: CORE
Encroachment: No

Survey: PH2 by ZNS in 2008

Station(ft)	Elevation(ft)	Manning's N
0.000	34.520	0.060000
30.000	33.150	0.060000
49.000	31.640	0.060000
57.000	30.150	0.060000
61.000	28.220	0.035000
65.000	27.160	0.035000
67.000	26.810	0.035000
69.000	26.960	0.035000
73.000	27.830	0.035000
83.000	31.250	0.035000
94.000	32.070	0.050000

Name: CORE1513MB_XOW Group: CORE
Encroachment: No

Terrain: 2004 LIDAR/TIN

Station(ft)	Elevation(ft)	Manning's N
0.000	35.950	0.000000
775.000	35.090	0.000000
890.330	35.800	0.000000

Name: DITCH Group: CORE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-30.000	34.040	0.045000
-26.000	34.040	0.045000
-5.000	27.040	0.020000
5.000	27.040	0.020000
26.000	34.040	0.045000
30.000	34.040	0.045000

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==== Operating Tables ==========
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Name: FDOT LAKE Group: CORE
Type: Rating Curve
Function: Time vs. Discharge

Time(hrs)	Discharge(cfs)

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0.00	0.00
14.70	28.60
24.00	0.00
999.00	0.00

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==== Pipes ====
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Name:	9-21	From Node:	9-21	Length(ft):	35.00
Group:	Tavistock	To Node:	9-19	Count:	1
				Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular		Flow:	Both
Span(in):	30.00	30.00		Entrance Loss Coef:	0.00
Rise(in):	30.00	30.00		Exit Loss Coef:	0.00
Invert(ft):	0.000	0.000		Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	Box Culvert	From Node:	SR-70	Length(ft):	102.00
Group:	CORE	To Node:	N_HH03075	Count:	1
				Friction Equation:	Average Conveyance
	UPSTREAM	DOWNSTREAM		Solution Algorithm:	Automatic
Geometry:	Rectangular	Rectangular		Flow:	Both
Span(in):	120.00	120.00		Entrance Loss Coef:	0.50
Rise(in):	72.00	72.00		Exit Loss Coef:	0.00
Invert(ft):	27.240	27.000		Bend Loss Coef:	0.00
Manning's N:	0.012000	0.012000		Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec:	Use dn
Bot Clip(in):	0.000	0.000		Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Name:	BOX CULVERT 1	From Node:	BOX 1-IN tw	Length(ft):	130.00
Group:	CORE	To Node:	BOX 1-OUT	Count:	2
				Friction Equation:	Average Conveyance
	UPSTREAM	DOWNSTREAM		Solution Algorithm:	Automatic
Geometry:	Rectangular	Rectangular		Flow:	Both
Span(in):	120.00	120.00		Entrance Loss Coef:	0.20
Rise(in):	60.00	60.00		Exit Loss Coef:	0.00
Invert(ft):	30.060	29.890		Bend Loss Coef:	0.00
Manning's N:	0.012000	0.012000		Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec:	Use dn
Bot Clip(in):	0.000	0.000		Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

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Name:	BOX CULVERT 2	From Node: BOX 2-IN	Length(ft): 60.00
Group:	CORE	To Node: BOX 2-OUT	Count: 2
			Friction Equation: Average Conveyance
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Automatic
Geometry:	Rectangular	Rectangular	Flow: Both
Span(in):	120.00	120.00	Entrance Loss Coef: 0.20
Rise(in):	60.00	60.00	Exit Loss Coef: 0.00
Invert(ft):	28.320	28.250	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dn
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Name:	Outfall-1	From Node: MH-1-PB-tw	Length(ft): 200.00
Group:	CORE	To Node: BOX 1-OUT	Count: 1
			Friction Equation: Average Conveyance
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Automatic
Geometry:	Circular	Circular	Flow: Both
Span(in):	36.00	36.00	Entrance Loss Coef: 0.50
Rise(in):	36.00	36.00	Exit Loss Coef: 1.00
Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dn
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-100	From Node: L-100B	Length(ft): 215.00
Group:	CORE	To Node: L-100A	Count: 1
			Friction Equation: Average Conveyance
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Automatic
Geometry:	Circular	Circular	Flow: Both
Span(in):	30.00	30.00	Entrance Loss Coef: 0.50
Rise(in):	30.00	30.00	Exit Loss Coef: 1.00
Invert(ft):	27.420	27.420	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-100 TAV	From Node: 100-5	Length(ft): 25.00
Group:	Tavistock	To Node: 9-16	Count: 1
			Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	36.00	36.00	Entrance Loss Coef: 0.20
Rise(in):	36.00	36.00	Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw

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Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-100-10	From Node: 100-10	Length(ft): 135.00
Group:	Tavistock	To Node: 100-8	Count: 1
			Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	24.00	24.00	Entrance Loss Coef: 0.20
Rise(in):	24.00	24.00	Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-100-11	From Node: 100-11	Length(ft): 25.00
Group:	Tavistock	To Node: 100-10	Count: 1
			Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	18.00	18.00	Entrance Loss Coef: 0.20
Rise(in):	18.00	18.00	Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-100-12	From Node: 100-12	Length(ft): 125.00
Group:	Tavistock	To Node: 100-10	Count: 1
			Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	24.00	24.00	Entrance Loss Coef: 0.00
Rise(in):	24.00	24.00	Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:

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Circular Concrete: Square edge w/ headwall

Name:	P-100-13	From Node:	100-13	Length(ft): 115.00
Group:	Tavistock	To Node:	100-12	Count: 1
				Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular		Flow: Both
Span(in):	24.00	24.00		Entrance Loss Coef: 0.20
Rise(in):	24.00	24.00		Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000		Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-100-14	From Node:	100-14	Length(ft): 25.00
Group:	Tavistock	To Node:	100-13	Count: 1
				Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular		Flow: Both
Span(in):	18.00	18.00		Entrance Loss Coef: 0.20
Rise(in):	18.00	18.00		Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000		Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-100-2	From Node:	100-2	Length(ft): 135.00
Group:	Tavistock	To Node:	L-100B	Count: 1
				Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular		Flow: Both
Span(in):	30.00	30.00		Entrance Loss Coef: 0.20
Rise(in):	30.00	30.00		Exit Loss Coef: 1.00
Invert(ft):	0.000	0.000		Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-100-3	From Node:	100-3	Length(ft): 155.00
Group:	Tavistock	To Node:	100-2	Count: 1
				Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Most Restrictive

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Geometry:	Circular	Circular	Flow:	Both
Span(in):	18.00	18.00	Entrance Loss Coef:	0.20
Rise(in):	18.00	18.00	Exit Loss Coef:	0.00
Invert(ft):	0.000	0.000	Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-100-4	From Node: 100-4	Length(ft): 190.00
Group:	Tavistock	To Node: 100-2	Count: 1
			Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	36.00	36.00	Entrance Loss Coef: 0.20
Rise(in):	36.00	36.00	Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-100-5	From Node: 100-5	Length(ft): 110.00
Group:	Tavistock	To Node: 100-4	Count: 1
			Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	36.00	36.00	Entrance Loss Coef: 0.20
Rise(in):	36.00	36.00	Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-100-6	From Node: 100-6	Length(ft): 75.00
Group:	Tavistock	To Node: 100-4	Count: 1
			Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	18.00	18.00	Entrance Loss Coef: 0.20
Rise(in):	18.00	18.00	Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

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Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-100-8	From Node:	100-8	Length(ft): 50.00
Group:	Tavistock	To Node:	L-100B	Count: 1
				Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular		Flow: Both
Span(in):	30.00	30.00		Entrance Loss Coef: 0.00
Rise(in):	30.00	30.00		Exit Loss Coef: 1.00
Invert(ft):	0.000	0.000		Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-100-9	From Node:	100-9	Length(ft): 30.00
Group:	Tavistock	To Node:	100-8	Count: 1
				Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular		Flow: Both
Span(in):	18.00	18.00		Entrance Loss Coef: 0.20
Rise(in):	18.00	18.00		Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000		Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-5	From Node:	Lake 5	Length(ft): 180.00
Group:	CORE	To Node:	Lake 6	Count: 1
				Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular		Flow: Both
Span(in):	36.00	36.00		Entrance Loss Coef: 0.50
Rise(in):	36.00	36.00		Exit Loss Coef: 1.00
Invert(ft):	27.830	27.830		Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

You created this PDF from an application that is not licensed to print to novaPDF printer (http://www.novapdf.com)

Name:	P-9-10	From Node: 9-10	Length(ft): 155.00
Group:	Tavistock	To Node: 9-9	Count: 1
			Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	42.00	42.00	Entrance Loss Coef: 0.00
Rise(in):	42.00	42.00	Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-11	From Node: 9-11	Length(ft): 25.00
Group:	Tavistock	To Node: 9-10	Count: 1
			Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	42.00	42.00	Entrance Loss Coef: 0.00
Rise(in):	42.00	42.00	Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-12	From Node: 9-12	Length(ft): 90.00
Group:	Tavistock	To Node: 9-11	Count: 1
			Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	42.00	42.00	Entrance Loss Coef: 0.20
Rise(in):	42.00	42.00	Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-13	From Node: 9-13	Length(ft): 90.00
Group:	Tavistock	To Node: 9-12	Count: 1
			Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	42.00	42.00	Entrance Loss Coef: 0.20
Rise(in):	42.00	42.00	Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00

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Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-14	From Node: 9-14	Length(ft): 130.00
Group:	Tavistock	To Node: 9-13	Count: 1
			Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	42.00	42.00	Entrance Loss Coef: 0.20
Rise(in):	42.00	42.00	Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-15	From Node: 9-15	Length(ft): 190.00
Group:	Tavistock	To Node: 9-14	Count: 1
			Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	42.00	42.00	Entrance Loss Coef: 0.20
Rise(in):	42.00	42.00	Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-16	From Node: 9-16	Length(ft): 110.00
Group:	Tavistock	To Node: 9-15	Count: 1
			Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	42.00	42.00	Entrance Loss Coef: 0.20
Rise(in):	42.00	42.00	Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

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Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-18	From Node:	9-18	Length(ft): 35.00
Group:	Tavistock	To Node:	CORE Lake-9	Count: 1
				Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular		Flow: Both
Span(in):	30.00	30.00		Entrance Loss Coef: 0.00
Rise(in):	30.00	30.00		Exit Loss Coef: 1.00
Invert(ft):	0.000	0.000		Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-19	From Node:	9-19	Length(ft): 285.00
Group:	Tavistock	To Node:	9-18	Count: 1
				Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular		Flow: Both
Span(in):	30.00	30.00		Entrance Loss Coef: 0.20
Rise(in):	30.00	30.00		Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000		Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-20	From Node:	9-20	Length(ft): 25.00
Group:	Tavistock	To Node:	9-19	Count: 1
				Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular		Flow: Both
Span(in):	18.00	18.00		Entrance Loss Coef: 0.20
Rise(in):	18.00	18.00		Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000		Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-22	From Node:	9-22	Length(ft): 58.00
Group:	Tavistock	To Node:	9-21	Count: 1
				Friction Equation: Automatic

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	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Solution Algorithm:	Most Restrictive
Span(in):	18.00	18.00	Flow:	Both
Rise(in):	18.00	18.00	Entrance Loss Coef:	0.00
Invert(ft):	0.000	0.000	Exit Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Bend Loss Coef:	0.00
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
			Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-23	From Node:	9-23	Length(ft):	43.00
Group:	Tavistock	To Node:	9-22	Count:	1
				Friction Equation:	Automatic

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Solution Algorithm:	Most Restrictive
Span(in):	18.00	18.00	Flow:	Both
Rise(in):	18.00	18.00	Entrance Loss Coef:	0.20
Invert(ft):	0.000	0.000	Exit Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Bend Loss Coef:	0.00
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
			Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-24	From Node:	9-24	Length(ft):	212.00
Group:	Tavistock	To Node:	9-21	Count:	1
				Friction Equation:	Automatic

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Solution Algorithm:	Most Restrictive
Span(in):	24.00	24.00	Flow:	Both
Rise(in):	24.00	24.00	Entrance Loss Coef:	0.00
Invert(ft):	0.000	0.000	Exit Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Bend Loss Coef:	0.00
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
			Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-25	From Node:	9-25	Length(ft):	228.00
Group:	Tavistock	To Node:	9-24	Count:	1
				Friction Equation:	Automatic

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Solution Algorithm:	Most Restrictive
Span(in):	24.00	24.00	Flow:	Both
Rise(in):	24.00	24.00	Entrance Loss Coef:	0.00
Invert(ft):	0.000	0.000	Exit Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Bend Loss Coef:	0.00
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
			Stabilizer Option:	None

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Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-26	From Node: 9-26	Length(ft):	28.00
Group:	Tavistock	To Node: 9-25	Count:	1
			Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular	Flow:	Both
Span(in):	18.00	18.00	Entrance Loss Coef:	0.20
Rise(in):	18.00	18.00	Exit Loss Coef:	0.00
Invert(ft):	0.000	0.000	Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-27	From Node: 9-27	Length(ft):	68.00
Group:	Tavistock	To Node: 9-25	Count:	1
			Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular	Flow:	Both
Span(in):	18.00	18.00	Entrance Loss Coef:	0.20
Rise(in):	18.00	18.00	Exit Loss Coef:	0.00
Invert(ft):	0.000	0.000	Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-28	From Node: 9-28	Length(ft):	55.00
Group:	Tavistock	To Node: 9-24	Count:	1
			Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular	Flow:	Both
Span(in):	18.00	18.00	Entrance Loss Coef:	0.20
Rise(in):	18.00	18.00	Exit Loss Coef:	0.00
Invert(ft):	0.000	0.000	Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

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```
---------------------------------------------------------------------------------------------------
         Name: P-9-29              From Node: 9-29              Length(ft): 35.00
        Group: Tavistock             To Node: 9-28                   Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                             Flow: Both
     Span(in): 18.00          18.00                    Entrance Loss Coef: 0.20
     Rise(in): 18.00          18.00                        Exit Loss Coef: 0.00
   Invert(ft): 0.000          0.000                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                    Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


---------------------------------------------------------------------------------------------------
         Name: P-9-30              From Node: 9-30              Length(ft): 136.00
        Group: Tavistock             To Node: 9-28                   Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                             Flow: Both
     Span(in): 18.00          18.00                    Entrance Loss Coef: 0.20
     Rise(in): 18.00          18.00                        Exit Loss Coef: 0.00
   Invert(ft): 0.000          0.000                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                    Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


---------------------------------------------------------------------------------------------------
         Name: P-9-31              From Node: 9-31              Length(ft): 25.00
        Group: Tavistock             To Node: 9-30                   Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                             Flow: Both
     Span(in): 18.00          18.00                    Entrance Loss Coef: 0.20
     Rise(in): 18.00          18.00                        Exit Loss Coef: 0.00
   Invert(ft): 0.000          0.000                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                    Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


---------------------------------------------------------------------------------------------------
         Name: P-9-32              From Node: 9-32              Length(ft): 76.00
        Group: Tavistock             To Node: 9-11                   Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                             Flow: Both
     Span(in): 24.00          24.00                    Entrance Loss Coef: 0.00
     Rise(in): 24.00          24.00                        Exit Loss Coef: 0.00
```


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Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-33	From Node: 9-33	Length(ft): 148.00
Group:	Tavistock	To Node: 9-32	Count: 1
			Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	24.00	24.00	Entrance Loss Coef: 0.20
Rise(in):	24.00	24.00	Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-34	From Node: 9-34	Length(ft): 25.00
Group:	Tavistock	To Node: 9-33	Count: 1
			Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	18.00	18.00	Entrance Loss Coef: 0.20
Rise(in):	18.00	18.00	Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-35	From Node: 9-35	Length(ft): 181.00
Group:	Tavistock	To Node: 9-33	Count: 1
			Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	18.00	18.00	Entrance Loss Coef: 0.00
Rise(in):	18.00	18.00	Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

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Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-36	From Node:	9-36	Length(ft):	24.00
Group:	Tavistock	To Node:	9-35	Count:	1
				Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular		Flow:	Both
Span(in):	18.00	18.00		Entrance Loss Coef:	0.20
Rise(in):	18.00	18.00		Exit Loss Coef:	0.00
Invert(ft):	0.000	0.000		Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-37	From Node:	9-37	Length(ft):	75.00
Group:	Tavistock	To Node:	9-14	Count:	1
				Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular		Flow:	Both
Span(in):	18.00	18.00		Entrance Loss Coef:	0.20
Rise(in):	18.00	18.00		Exit Loss Coef:	0.00
Invert(ft):	0.000	0.000		Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-38	From Node:	9-38	Length(ft):	151.00
Group:	Tavistock	To Node:	9-15	Count:	1
				Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular		Flow:	Both
Span(in):	18.00	18.00		Entrance Loss Coef:	0.00
Rise(in):	18.00	18.00		Exit Loss Coef:	0.00
Invert(ft):	0.000	0.000		Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-39	From Node:	9-39	Length(ft):	193.00
Group:	Tavistock	To Node:	9-16	Count:	1

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```
                                                  Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM           Solution Algorithm: Most Restrictive
    Geometry: Circular       Circular                        Flow: Both
    Span(in): 30.00          30.00                Entrance Loss Coef: 0.20
    Rise(in): 30.00          30.00                    Exit Loss Coef: 0.00
   Invert(ft): 0.000         0.000                    Bend Loss Coef: 0.00
 Manning's N: 0.013000       0.013000               Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000          0.000                   Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000          0.000                Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-------------------------------------------------------------------------------------------------
        Name: P-9-40             From Node: 9-40             Length(ft): 164.00
       Group: Tavistock            To Node: 9-39                  Count: 1
                                                  Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM           Solution Algorithm: Most Restrictive
    Geometry: Circular       Circular                        Flow: Both
    Span(in): 18.00          18.00                Entrance Loss Coef: 0.20
    Rise(in): 18.00          18.00                    Exit Loss Coef: 0.00
   Invert(ft): 0.000         0.000                    Bend Loss Coef: 0.00
 Manning's N: 0.013000       0.013000               Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000          0.000                   Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000          0.000                Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-------------------------------------------------------------------------------------------------
        Name: P-9-41             From Node: 9-41             Length(ft): 57.00
       Group: Tavistock            To Node: 9-40                  Count: 1
                                                  Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM           Solution Algorithm: Most Restrictive
    Geometry: Circular       Circular                        Flow: Both
    Span(in): 18.00          18.00                Entrance Loss Coef: 0.20
    Rise(in): 18.00          18.00                    Exit Loss Coef: 0.00
   Invert(ft): 0.000         0.000                    Bend Loss Coef: 0.00
 Manning's N: 0.013000       0.013000               Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000          0.000                   Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000          0.000                Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-------------------------------------------------------------------------------------------------
        Name: P-9-42             From Node: 9-42             Length(ft): 45.00
       Group: Tavistock            To Node: 9-39                  Count: 1
                                                  Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM           Solution Algorithm: Most Restrictive
    Geometry: Circular       Circular                        Flow: Both
    Span(in): 18.00          18.00                Entrance Loss Coef: 0.20
    Rise(in): 18.00          18.00                    Exit Loss Coef: 0.00
   Invert(ft): 0.000         0.000                    Bend Loss Coef: 0.00
 Manning's N: 0.013000       0.013000               Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000          0.000                   Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000          0.000                Stabilizer Option: None
```


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Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-43	From Node:	9-43	Length(ft): 25.00
Group:	Tavistock	To Node:	9-9	Count: 1
				Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular		Flow: Both
Span(in):	18.00	18.00		Entrance Loss Coef: 0.20
Rise(in):	18.00	18.00		Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000		Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-9	From Node:	9-9	Length(ft): 45.00
Group:	Tavistock	To Node:	CORE Lake-9	Count: 1
				Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular		Flow: Both
Span(in):	42.00	42.00		Entrance Loss Coef: 0.20
Rise(in):	42.00	42.00		Exit Loss Coef: 1.00
Invert(ft):	0.000	0.000		Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-BB-1	From Node:	BB-1	Length(ft): 212.00
Group:	CORE	To Node:	NW-W22	Count: 1
				Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular		Flow: Both
Span(in):	36.00	36.00		Entrance Loss Coef: 0.00
Rise(in):	36.00	36.00		Exit Loss Coef: 0.50
Invert(ft):	25.970	25.000		Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

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```
---------------------------------------------------------------------------------------------------
         Name: P03-BR              From Node: N-W22              Length(ft): 180.00
        Group: CORE                  To Node: N_HH00010             Count: 1
                                                             Friction Equation: Average Conveyance
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Automatic
     Geometry: Circular       Circular                         Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 28.230         26.090                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


---------------------------------------------------------------------------------------------------
         Name: P03-BRc             From Node: N-W22              Length(ft): 180.00
        Group: CORE                  To Node: N_HH00010             Count: 1
                                                             Friction Equation: Average Conveyance
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Automatic
     Geometry: Circular       Circular                         Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                          Exit Loss Coef: 0.00
   Invert(ft): 27.300         26.080                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


---------------------------------------------------------------------------------------------------
         Name: P07-BR              From Node: N15-BR             Length(ft): 176.00
        Group: CORE                  To Node: TailW W24             Count: 1
                                                             Friction Equation: Average Conveyance
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Automatic
     Geometry: Circular       Circular                         Flow: Both
     Span(in): 36.00          36.00                      Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                          Exit Loss Coef: 1.00
   Invert(ft): 29.490         29.490                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


---------------------------------------------------------------------------------------------------
         Name: P_HH00015A          From Node: N_HH00015          Length(ft): 163.20
        Group: CORE                  To Node: N_HH00020             Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                         Flow: Both
     Span(in): 42.00          42.00                      Entrance Loss Coef: 0.50
```


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Rise(in):	42.00	42.00	Exit Loss Coef:	0.00
Invert(ft):	23.160	22.520	Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Survey: PHA by Jones Edmunds (WO3); data revised per updated 3/1/10 survey data

---

Name:	P_HH00015B	From Node: N_HH00015	Length(ft):	162.54
Group:	CORE	To Node: N_HH00020	Count:	1
			Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular	Flow:	Both
Span(in):	42.00	42.00	Entrance Loss Coef:	0.50
Rise(in):	42.00	42.00	Exit Loss Coef:	0.00
Invert(ft):	25.450	25.360	Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Survey: PHA by Jones Edmunds (WO3); data revised per updated 3/1/10 survey data

---

Name:	P_HH09005a	From Node: NW-W28a	Length(ft):	18.00
Group:	CORE	To Node: NW-W28b	Count:	1
			Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular	Flow:	Both
Span(in):	24.00	24.00	Entrance Loss Coef:	0.90
Rise(in):	24.00	24.00	Exit Loss Coef:	0.00
Invert(ft):	31.690	30.830	Bend Loss Coef:	0.00
Manning's N:	0.024000	0.024000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Name:	P_HH09040A	From Node: N_HH09040	Length(ft):	112.98
Group:	CORE	To Node: BOX 1-OUT	Count:	1
			Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular	Flow:	Both
Span(in):	36.00	36.00	Entrance Loss Coef:	0.50
Rise(in):	36.00	36.00	Exit Loss Coef:	0.00
Invert(ft):	29.850	29.930	Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:

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Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Survey: PHA by Jones Edmunds (WO3)

Name:	P_HH09040B	From Node:	N_HH09040	Length(ft): 112.64
Group:	CORE	To Node:	BOX 1-OUT	Count: 1

	UPSTREAM	DOWNSTREAM		
			Friction Equation:	Automatic
			Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular	Flow:	Both
Span(in):	36.00	36.00	Entrance Loss Coef:	0.50
Rise(in):	36.00	36.00	Exit Loss Coef:	0.00
Invert(ft):	29.910	30.040	Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Survey: PHA by Jones Edmunds (WO3)

==========

==== Channels ==========

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Name:	C05-BR	From Node:	N05-BR	Length(ft): 205.00
Group:	CORE	To Node:	BB-1	Count: 1

	UPSTREAM	DOWNSTREAM		
			Friction Equation:	Average Conveyance
Geometry:	Trapezoidal	Trapezoidal	Solution Algorithm:	Automatic
Invert(ft):	31.900	30.000	Flow:	Both
TClpInitZ(ft):	9999.000	9999.000	Contraction Coef:	0.000
Manning's N:	0.027000	0.027000	Expansion Coef:	0.000
Top Clip(ft):	0.000	0.000	Entrance Loss Coef:	0.000
Bot Clip(ft):	0.000	0.000	Exit Loss Coef:	0.000
Main XSec:			Outlet Ctrl Spec:	Use dc or tw
AuxElev1(ft):			Inlet Ctrl Spec:	Use dc
Aux XSec1:			Stabilizer Option:	None
AuxElev2(ft):				
Aux XSec2:				
Top Width(ft):				
Depth(ft):				
Bot Width(ft):	4.000	4.000		
LtSdSlp(h/v):	3.00	3.00		
RtSdSlp(h/v):	3.00	3.00		

Name:	C_HH00010	From Node:	N_HH00010	Length(ft): 1465.00
Group:	CORE	To Node:	N_HH00015	Count: 1

	UPSTREAM	DOWNSTREAM		
			Friction Equation:	Average Conveyance
Geometry:	Irregular	Irregular	Solution Algorithm:	Automatic
Invert(ft):	29.260	23.160	Flow:	Both
TClpInitZ(ft):	9999.000	9999.000	Contraction Coef:	0.100
Manning's N:			Expansion Coef:	0.300
Top Clip(ft):			Entrance Loss Coef:	0.000
Bot Clip(ft):			Exit Loss Coef:	0.000
Main XSec:	203519_299	203519_304	Outlet Ctrl Spec:	Use dc or tw
AuxElev1(ft):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Aux XSec1:			Stabilizer Option:	None
AuxElev2(ft):	0.000	0.000		
Aux XSec2:				
Top Width(ft):				
Depth(ft):				
Bot Width(ft):				
LtSdSlp(h/v):				
RtSdSlp(h/v):				

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```
---------------------------------------------------------------------------------------------
          Name: C_HH03075           From Node: N_HH03075          Length(ft): 524.00
         Group: CORE                  To Node: N_HH03085               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 26.810         24.910                              Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                        Entrance Loss Coef: 0.000
  Bot Clip(ft):                                            Exit Loss Coef: 0.000
     Main XSec: 203519_380     203519_346                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                       Inlet Ctrl Spec: Use dc
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



---------------------------------------------------------------------------------------------
          Name: C_HH09010           From Node: NW-W28b            Length(ft): 1192.00
         Group: CORE                  To Node: N_HH09020               Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 30.990         29.200                              Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                        Entrance Loss Coef: 0.000
  Bot Clip(ft):                                            Exit Loss Coef: 0.000
     Main XSec: 173519_358     173519_359                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                       Inlet Ctrl Spec: Use dc
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



---------------------------------------------------------------------------------------------
          Name: C_HH09020           From Node: N_HH09020          Length(ft): 936.00
         Group: CORE                  To Node: NW-W23A W23B            Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 29.160         29.200                              Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                        Entrance Loss Coef: 0.000
  Bot Clip(ft):                                            Exit Loss Coef: 0.000
     Main XSec: 173519_360     173519_378                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                       Inlet Ctrl Spec: Use dc
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



---------------------------------------------------------------------------------------------
          Name: DITCH 2             From Node: BOX 1-OUT          Length(ft): 470.00
         Group: CORE                  To Node: BOX 2-IN                Count: 1
```


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	UPSTREAM	DOWNSTREAM		
Geometry:	Irregular	Irregular	Friction Equation:	Average Conveyance
Invert(ft):	28.930	28.320	Solution Algorithm:	Automatic
TClpInitZ(ft):	9999.000	9999.000	Flow:	Both
Manning's N:			Contraction Coef:	0.000
Top Clip(ft):			Expansion Coef:	0.000
Bot Clip(ft):			Entrance Loss Coef:	0.000
Main XSec:	DITCH	DITCH	Exit Loss Coef:	0.000
AuxElev1(ft):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Aux XSec1:			Inlet Ctrl Spec:	Use dn
AuxElev2(ft):	0.000	0.000	Stabilizer Option:	None
Aux XSec2:				
Top Width(ft):				
Depth(ft):				
Bot Width(ft):				
LtSdSlp(h/v):				
RtSdSlp(h/v):				

Name:	DITCH 3	From Node: BOX 2-OUT	Length(ft): 185.00
Group:	CORE	To Node: DITCH 4	Count: 1

	UPSTREAM	DOWNSTREAM		
Geometry:	Irregular	Irregular	Friction Equation:	Average Conveyance
Invert(ft):	28.250	28.010	Solution Algorithm:	Automatic
TClpInitZ(ft):	9999.000	9999.000	Flow:	Both
Manning's N:			Contraction Coef:	0.000
Top Clip(ft):			Expansion Coef:	0.000
Bot Clip(ft):			Entrance Loss Coef:	0.000
Main XSec:	DITCH	DITCH	Exit Loss Coef:	0.000
AuxElev1(ft):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Aux XSec1:			Inlet Ctrl Spec:	Use dn
AuxElev2(ft):	0.000	0.000	Stabilizer Option:	None
Aux XSec2:				
Top Width(ft):				
Depth(ft):				
Bot Width(ft):				
LtSdSlp(h/v):				
RtSdSlp(h/v):				

Name:	DITCH 4	From Node: DITCH 4	Length(ft): 210.00
Group:	CORE	To Node: DITCH 5	Count: 1

	UPSTREAM	DOWNSTREAM		
Geometry:	Irregular	Irregular	Friction Equation:	Average Conveyance
Invert(ft):	28.010	27.740	Solution Algorithm:	Automatic
TClpInitZ(ft):	9999.000	9999.000	Flow:	Both
Manning's N:			Contraction Coef:	0.000
Top Clip(ft):			Expansion Coef:	0.000
Bot Clip(ft):			Entrance Loss Coef:	0.000
Main XSec:	DITCH	DITCH	Exit Loss Coef:	0.000
AuxElev1(ft):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Aux XSec1:			Inlet Ctrl Spec:	Use dn
AuxElev2(ft):	0.000	0.000	Stabilizer Option:	None
Aux XSec2:				
Top Width(ft):				
Depth(ft):				
Bot Width(ft):				
LtSdSlp(h/v):				
RtSdSlp(h/v):				

Name:	DITCH 5	From Node: DITCH 5	Length(ft): 340.00
Group:	CORE	To Node: SR-70	Count: 1

	UPSTREAM	DOWNSTREAM		
Geometry:	Irregular	Irregular	Friction Equation:	Average Conveyance
Invert(ft):	27.740	27.240	Solution Algorithm:	Automatic
TClpInitZ(ft):	9999.000	9999.000	Flow:	Both
Manning's N:			Contraction Coef:	0.000
			Expansion Coef:	0.000

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```
  Top Clip(ft):                                        Entrance Loss Coef: 0.000
  Bot Clip(ft):                                            Exit Loss Coef: 0.000
     Main XSec: DITCH          DITCH                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dn
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



================================================================================================
==== Drop Structures ===========================================================================
================================================================================================

         Name: BB-10               From Node: NW-W22            Length(ft): 94.00
        Group: CORE                  To Node: BB-10                 Count: 1

               UPSTREAM       DOWNSTREAM                Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 36.00          36.00                                Flow: Both
     Rise(in): 36.00          36.00                    Entrance Loss Coef: 0.200
   Invert(ft): 26.630         26.820                       Exit Loss Coef: 0.500
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 2 for Drop Structure BB-10 ***
                                                                                    TABLE
                  Count: 1                        Bottom Clip(in): 0.000
                   Type: Vertical: Mavis             Top Clip(in): 0.000
                   Flow: Both                     Weir Disc Coef: 3.200
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 150.00                       Invert(ft): 30.700
               Rise(in): 6.00                  Control Elev(ft): 30.700

*** Weir 2 of 2 for Drop Structure BB-10 ***
                                                                                    TABLE
                  Count: 1                        Bottom Clip(in): 0.000
                   Type: Horizontal                  Top Clip(in): 0.000
                   Flow: Both                     Weir Disc Coef: 3.200
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 40.00                        Invert(ft): 31.370
               Rise(in): 52.69                 Control Elev(ft): 31.370


------------------------------------------------------------------------------------------------
         Name: BB-9                From Node: NW-W22            Length(ft): 20.00
        Group: CORE                  To Node: BB-9                  Count: 1

               UPSTREAM       DOWNSTREAM                Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 48.00          48.00                                Flow: Both
     Rise(in): 48.00          48.00                    Entrance Loss Coef: 0.200
   Invert(ft): 27.510         27.550                       Exit Loss Coef: 0.500
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall
```


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*** Weir 1 of 2 for Drop Structure BB-9 ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	230.00	Invert(ft):	31.300
Rise(in):	9.96	Control Elev(ft):	31.300

*** Weir 2 of 2 for Drop Structure BB-9 ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Horizontal	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	52.69	Invert(ft):	32.300
Rise(in):	80.00	Control Elev(ft):	32.300

Name:	CS-10	From Node:	CORE Lake-10	Length(ft):	94.00
Group:	CORE	To Node:	BB-10	Count:	1

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Friction Equation:	Automatic
Span(in):	36.00	36.00	Solution Algorithm:	Most Restrictive
Rise(in):	36.00	36.00	Flow:	Both
Invert(ft):	27.010	26.820	Entrance Loss Coef:	0.200
Manning's N:	0.013000	0.013000	Exit Loss Coef:	0.500
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
			Solution Incs:	10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

*** Weir 1 of 3 for Drop Structure CS-10 ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	6.84	Invert(ft):	30.840
Rise(in):	5.04	Control Elev(ft):	30.840

*** Weir 2 of 3 for Drop Structure CS-10 ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	60.00	Invert(ft):	31.260
Rise(in):	999.00	Control Elev(ft):	31.260

*** Weir 3 of 3 for Drop Structure CS-10 ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Horizontal	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	40.00	Invert(ft):	32.840
Rise(in):	52.69	Control Elev(ft):	32.840

Name:	CS-100A	From Node:	L-100A	Length(ft):	80.00

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```
        Group: CORE                 To Node: SR-70                  Count: 1

               UPSTREAM       DOWNSTREAM                Friction Equation: Average Conveyance
     Geometry: Circular       Circular                 Solution Algorithm: Automatic
     Span(in): 30.00          30.00                                 Flow: Both
     Rise(in): 30.00          30.00                   Entrance Loss Coef: 0.200
   Invert(ft): 0.000          0.000                       Exit Loss Coef: 0.200
  Manning's N: 0.012000       0.012000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Modified Control Structure.

*** Weir 1 of 3 for Drop Structure CS-100A ***
                                                                                    TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Vertical: Mavis            Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.200
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 20.64                       Invert(ft): 32.000
               Rise(in): 6.12                 Control Elev(ft): 32.000

*** Weir 2 of 3 for Drop Structure CS-100A ***
                                                                                    TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Vertical: Mavis            Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.200
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 100.00                      Invert(ft): 32.510
               Rise(in): 999.00               Control Elev(ft): 32.510

*** Weir 3 of 3 for Drop Structure CS-100A ***
                                                                                    TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Horizontal                 Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.200
               Geometry: Rectangular           Orifice Disc Coef: 0.600

               Span(in): 52.69                       Invert(ft): 34.950
               Rise(in): 80.00                Control Elev(ft): 34.950


-------------------------------------------------------------------------------------------------
         Name: CS-8                From Node: CORE Lake-8        Length(ft): 169.00
        Group: CORE                  To Node: CORE Lake-9             Count: 1

               UPSTREAM       DOWNSTREAM                Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 30.00          30.00                                 Flow: Both
     Rise(in): 30.00          30.00                   Entrance Loss Coef: 0.000
   Invert(ft): 27.520         27.210                      Exit Loss Coef: 1.000
  Manning's N: 0.013000       0.013000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                        Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


*** Weir 1 of 2 for Drop Structure CS-8 ***
                                                                                    TABLE
                  Count: 1                       Bottom Clip(in): 0.000
                   Type: Vertical: Mavis            Top Clip(in): 0.000
                   Flow: Both                    Weir Disc Coef: 3.200
               Geometry: Rectangular           Orifice Disc Coef: 0.600
```


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```
              Span(in): 150.00                    Invert(ft): 32.000
              Rise(in): 999.00                Control Elev(ft): 32.000

*** Weir 2 of 2 for Drop Structure CS-8 ***
                                                                        TABLE
                 Count: 1                       Bottom Clip(in): 0.000
                  Type: Horizontal                 Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 3.200
              Geometry: Rectangular            Orifice Disc Coef: 0.600

              Span(in): 40.00                     Invert(ft): 33.900
              Rise(in): 52.69                 Control Elev(ft): 33.900


-------------------------------------------------------------------------------------------------
         Name: CS-9               From Node: CORE Lake-9       Length(ft): 20.00
        Group: CORE                 To Node: BB-9                   Count: 1

               UPSTREAM       DOWNSTREAM                Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 48.00          48.00                                 Flow: Both
     Rise(in): 48.00          48.00                    Entrance Loss Coef: 0.200
   Invert(ft): 27.590         27.550                       Exit Loss Coef: 0.500
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


*** Weir 1 of 2 for Drop Structure CS-9 ***
                                                                        TABLE
                 Count: 1                       Bottom Clip(in): 0.000
                  Type: Vertical: Mavis            Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 3.200
              Geometry: Rectangular            Orifice Disc Coef: 0.600

              Span(in): 230.00                    Invert(ft): 32.510
              Rise(in): 999.00                Control Elev(ft): 32.510

*** Weir 2 of 2 for Drop Structure CS-9 ***
                                                                        TABLE
                 Count: 1                       Bottom Clip(in): 0.000
                  Type: Horizontal                 Top Clip(in): 0.000
                  Flow: Both                     Weir Disc Coef: 3.200
              Geometry: Rectangular            Orifice Disc Coef: 0.600

              Span(in): 52.69                     Invert(ft): 33.830
              Rise(in): 80.00                 Control Elev(ft): 33.830


-------------------------------------------------------------------------------------------------
         Name: CS-arena 1         From Node: LAKE 1-arena      Length(ft): 209.00
        Group: CORE                 To Node: NW-W28A                Count: 1

               UPSTREAM       DOWNSTREAM                Friction Equation: Average Conveyance
     Geometry: Circular       Circular                 Solution Algorithm: Automatic
     Span(in): 24.00          24.00                                 Flow: Both
     Rise(in): 24.00          24.00                    Entrance Loss Coef: 0.500
   Invert(ft): 31.000         30.550                       Exit Loss Coef: 1.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dn
 Bot Clip(in): 0.000          0.000                         Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


*** Weir 1 of 1 for Drop Structure CS-arena 1 ***
```


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TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	5.04	Invert(ft):	36.160
Rise(in):	999.00	Control Elev(ft):	35.940

Name:	CS-Lake-7	From Node:	Lake-7	Length(ft):	580.00
Group:	CORE	To Node:	N_HH09040	Count:	1

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Friction Equation:	Automatic
Span(in):	42.00	42.00	Solution Algorithm:	Most Restrictive
Rise(in):	42.00	42.00	Flow:	Both
Invert(ft):	29.250	28.020	Entrance Loss Coef:	0.200
Manning's N:	0.013000	0.013000	Exit Loss Coef:	0.200
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
			Solution Incs:	10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

*** Weir 1 of 3 for Drop Structure CS-Lake-7 ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	16.46	Invert(ft):	33.630
Rise(in):	4.56	Control Elev(ft):	33.630

*** Weir 2 of 3 for Drop Structure CS-Lake-7 ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	105.00	Invert(ft):	34.010
Rise(in):	999.00	Control Elev(ft):	34.010

*** Weir 3 of 3 for Drop Structure CS-Lake-7 ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Horizontal	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	52.69	Invert(ft):	35.480
Rise(in):	80.00	Control Elev(ft):	35.480

Name:	CS-Pond 7	From Node:	DOT Pond 7	Length(ft):	50.00
Group:	CORE	To Node:	NW-W22	Count:	2

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Friction Equation:	Average Conveyance
Span(in):	24.00	24.00	Solution Algorithm:	Automatic
Rise(in):	24.00	24.00	Flow:	Both
Invert(ft):	30.540	29.340	Entrance Loss Coef:	0.500
Manning's N:	0.013000	0.013000	Exit Loss Coef:	1.000
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
			Solution Incs:	10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

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Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

*** Weir 1 of 2 for Drop Structure CS-Pond 7 ***

TABLE

Count:	2	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	29.00	Invert(ft):	31.140
Rise(in):	999.00	Control Elev(ft):	31.140

*** Weir 2 of 2 for Drop Structure CS-Pond 7 ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Circular	Orifice Disc Coef:	0.600
Span(in):	2.60	Invert(ft):	30.840
Rise(in):	2.60	Control Elev(ft):	30.840

Name:	CS-W22	From Node:	NW-W22	Length(ft):	180.00
Group:	CORE	To Node:	N-W22	Count:	1

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Friction Equation:	Automatic
Span(in):	42.00	42.00	Solution Algorithm:	Most Restrictive
Rise(in):	42.00	42.00	Flow:	Both
Invert(ft):	25.730	26.900	Entrance Loss Coef:	0.200
Manning's N:	0.013000	0.013000	Exit Loss Coef:	0.000
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
			Solution Incs:	10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

*** Weir 1 of 2 for Drop Structure CS-W22 ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	30.00	Invert(ft):	29.270
Rise(in):	36.72	Control Elev(ft):	29.270

*** Weir 2 of 2 for Drop Structure CS-W22 ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Horizontal	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	52.69	Invert(ft):	32.500
Rise(in):	80.00	Control Elev(ft):	32.500

Name:	D_HH00012a	From Node:	N_HH00012	Length(ft):	16.00
Group:	CORE	To Node:	N_HH00015	Count:	1

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Friction Equation:	Automatic
Span(in):	30.00	30.00	Solution Algorithm:	Automatic
Rise(in):	30.00	30.00	Flow:	Both
Invert(ft):	27.970	28.020	Entrance Loss Coef:	0.200
Manning's N:	0.013000	0.013000	Exit Loss Coef:	0.000
			Outlet Ctrl Spec:	Use dc or tw

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```
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular: Beveled ring, 33.7° bevels

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Survey: PH2 by ZNS in 2008

*** Weir 1 of 3 for Drop Structure D_HH00012a ***
                                                                                TABLE
                   Count: 1                      Bottom Clip(in): 0.000
                    Type: Vertical: Mavis           Top Clip(in): 0.000
                    Flow: Both                    Weir Disc Coef: 3.200
                Geometry: Rectangular           Orifice Disc Coef: 0.600

                Span(in): 12.00                        Invert(ft): 29.410
                Rise(in): 30.60                  Control Elev(ft): 29.410

*** Weir 2 of 3 for Drop Structure D_HH00012a ***
                                                                                TABLE
                   Count: 1                      Bottom Clip(in): 0.000
                    Type: Vertical: Mavis           Top Clip(in): 0.000
                    Flow: Both                    Weir Disc Coef: 3.200
                Geometry: Rectangular           Orifice Disc Coef: 0.600

                Span(in): 16.00                        Invert(ft): 30.000
                Rise(in): 23.50                  Control Elev(ft): 30.000

*** Weir 3 of 3 for Drop Structure D_HH00012a ***
                                                                                TABLE
                   Count: 1                      Bottom Clip(in): 0.000
                    Type: Vertical: Mavis           Top Clip(in): 0.000
                    Flow: Both                    Weir Disc Coef: 3.200
                Geometry: Rectangular           Orifice Disc Coef: 0.600

                Span(in): 48.00                        Invert(ft): 31.710
                Rise(in): 3.00                   Control Elev(ft): 31.710


-------------------------------------------------------------------------------------------------
         Name: Lake 3-D            From Node: LAKE 3-PB tw       Length(ft): 47.00
        Group: CORE                  To Node: DITCH 5                Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Horz Ellipse   Horz Ellipse              Solution Algorithm: Automatic
     Span(in): 38.00          38.00                                 Flow: Both
     Rise(in): 24.00          24.00                    Entrance Loss Coef: 0.000
   Invert(ft): 0.000          0.000                        Exit Loss Coef: 1.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dn
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall


*** Weir 1 of 2 for Drop Structure Lake 3-D ***
                                                                                TABLE
                   Count: 1                      Bottom Clip(in): 0.000
                    Type: Vertical: Mavis           Top Clip(in): 0.000
                    Flow: Both                    Weir Disc Coef: 3.200
                Geometry: Rectangular           Orifice Disc Coef: 0.600

                Span(in): 4.06                         Invert(ft): 30.040
                Rise(in): 5.41                   Control Elev(ft): 30.040

*** Weir 2 of 2 for Drop Structure Lake 3-D ***
                                                                                TABLE
                   Count: 1                      Bottom Clip(in): 0.000
                    Type: Vertical: Mavis           Top Clip(in): 0.000
                    Flow: Both                    Weir Disc Coef: 3.200
```


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```
              Geometry: Rectangular          Orifice Disc Coef: 0.600

              Span(in): 2.00                        Invert(ft): 30.490
              Rise(in): 999.00                Control Elev(ft): 30.490


================================================================================================
==== Weirs ====================================================================================
================================================================================================

         Name:                      From Node:
        Group: Tavistock              To Node:
         Flow: Both                     Count: 1
         Type: Horizontal           Geometry: Circular

                    Span(in): 0.00
                    Rise(in): 0.00
                  Invert(ft): 0.000
       Control Elevation(ft): 0.000
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
          Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600



------------------------------------------------------------------------------------------------
         Name: W-6A                 From Node: Lake 6
        Group: CORE                   To Node: NW-W28a
         Flow: Both                     Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                    Span(in): 4.40
                    Rise(in): 999.00
                  Invert(ft): 33.160
       Control Elevation(ft): 33.160
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
          Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600



------------------------------------------------------------------------------------------------
         Name: W-6B                 From Node: Lake 6
        Group: CORE                   To Node: NW-W28a
         Flow: Both                     Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                    Span(in): 24.00
                    Rise(in): 999.00
                  Invert(ft): 35.640
       Control Elevation(ft): 35.640
                                          TABLE
             Bottom Clip(in): 0.000
                Top Clip(in): 0.000
          Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600



------------------------------------------------------------------------------------------------
         Name: W01-BR               From Node: NW-W23A W23B
        Group: CORE                   To Node: N05-BR
         Flow: Both                     Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 8.00
        Left Side Slope(h/v): 4.00
       Right Side Slope(h/v): 4.00
                  Invert(ft): 32.110
       Control Elevation(ft): 32.110
      Struct Opening Dim(ft): 9999.00
                                          TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
```


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```
        Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-------------------------------------------------------------------------------------------------
         Name: W06-BR              From Node: NW-W24
        Group: CORE                  To Node: N15-BR
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

            Bottom Width(ft): 10.00
       Left Side Slope(h/v): 8.00
      Right Side Slope(h/v): 8.00
                  Invert(ft): 31.370
      Control Elevation(ft): 31.370
     Struct Opening Dim(ft): 9999.00
                                       TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
        Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600



-------------------------------------------------------------------------------------------------
         Name: W_HH01013C          From Node: NW-W24
        Group: CORE                  To Node: N_WS07010
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 08141302MB_XOW
                  Invert(ft): 32.790
      Control Elevation(ft): 32.790
     Struct Opening Dim(ft): 9999.00
                                       TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
        Weir Discharge Coef: 2.500
      Orifice Discharge Coef: 0.600



-------------------------------------------------------------------------------------------------
         Name: W_HH02030           From Node: N_HH02030
        Group: CORE                  To Node: N_HH00015
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 203519_332_XOW
                  Invert(ft): 29.560
      Control Elevation(ft): 29.560
     Struct Opening Dim(ft): 9999.00
                                       TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
        Weir Discharge Coef: 2.300
      Orifice Discharge Coef: 0.600

Terrain: 2004 LIDAR/TIN

-------------------------------------------------------------------------------------------------
         Name: W_HH09015C          From Node: N_HH09020
        Group: CORE                  To Node: N_WS07010
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Irregular

                       XSec: 1625MB_XOW
                  Invert(ft): 32.460
      Control Elevation(ft): 32.460
     Struct Opening Dim(ft): 9999.00
                                       TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
        Weir Discharge Coef: 2.500
      Orifice Discharge Coef: 0.600
```


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```
================================================================================
==== Rating Curves =============================================================
================================================================================

         Name: FDOT LAKE           From Node: MH-1-PB-tw             Count: 1
        Group: CORE                  To Node: BOX 1-OUT               Flow: Both

              TABLE           ELEV ON(ft)     ELEV OFF(ft)
           #1: FDOT LAKE      0.000           0.000
           #2:                0.000           0.000
           #3:                0.000           0.000
           #4:                0.000           0.000



================================================================================
==== Hydrology Simulations =====================================================
================================================================================

         Name: 002Y001HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\002Y001HP.R3

      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: FDOT-1
    Rainfall Amount(in): 2.30

Time(hrs)       Print Inc(min)
--------------- ---------------
2.000           2.50

--------------------------------------------------------------------------------------------------------
         Name: 002Y001HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\002Y001HP.R3

      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: FDOT-1
    Rainfall Amount(in): 2.30

Time(hrs)       Print Inc(min)
--------------- ---------------
2.000           2.50

--------------------------------------------------------------------------------------------------------
         Name: 002Y002HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\002Y002HP.R3

      Override Defaults: Yes
    Storm Duration(hrs): 2.00
          Rainfall File: FDOT-2
    Rainfall Amount(in): 2.80

Time(hrs)       Print Inc(min)
--------------- ---------------
3.000           2.50

--------------------------------------------------------------------------------------------------------
         Name: 002Y004HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\002Y004HP.R3

      Override Defaults: Yes
    Storm Duration(hrs): 4.00
          Rainfall File: FDOT-4
    Rainfall Amount(in): 3.40

Time(hrs)       Print Inc(min)
--------------- ---------------
5.000           5.00

--------------------------------------------------------------------------------------------------------
         Name: 002Y008HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\002Y008HP.R3

      Override Defaults: Yes
    Storm Duration(hrs): 8.00
          Rainfall File: FDOT-8
```


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```
    Rainfall Amount(in): 4.16

Time(hrs)       Print Inc(min)
--------------- ---------------
9.000           5.00

-------------------------------------------------------------------------------------------------------
         Name: 002Y024HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\002Y024HP.R3

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: FDOT-24
    Rainfall Amount(in): 5.25

Time(hrs)       Print Inc(min)
--------------- ---------------
25.000          5.00

-------------------------------------------------------------------------------------------------------
         Name: 002Y072HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\002Y072HP.R3

      Override Defaults: Yes
    Storm Duration(hrs): 72.00
          Rainfall File: FDOT-72
    Rainfall Amount(in): 6.13

Time(hrs)       Print Inc(min)
--------------- ---------------
73.000          5.00

-------------------------------------------------------------------------------------------------------
         Name: 003Y024HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\003Y024HP.R3

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Flmod
    Rainfall Amount(in): 5.75

Time(hrs)       Print Inc(min)
--------------- ---------------
30.000          15.00

-------------------------------------------------------------------------------------------------------
         Name: 005Y002HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\005Y002HP.R3

      Override Defaults: Yes
    Storm Duration(hrs): 2.00
          Rainfall File: FDOT-2
    Rainfall Amount(in): 3.50

Time(hrs)       Print Inc(min)
--------------- ---------------
3.000           2.50

-------------------------------------------------------------------------------------------------------
         Name: 005Y004HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\005Y004HP.R3

      Override Defaults: Yes
    Storm Duration(hrs): 4.00
          Rainfall File: FDOT-4
    Rainfall Amount(in): 4.40

Time(hrs)       Print Inc(min)
--------------- ---------------
5.000           5.00

-------------------------------------------------------------------------------------------------------
         Name: 005Y008HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\005Y008HP.R3

      Override Defaults: Yes
    Storm Duration(hrs): 8.00
          Rainfall File: FDOT-8
```


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Rainfall Amount(in): 5.28

Time(hrs)	Print Inc(min)
9.000	5.00

Name: 005Y024HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\005Y024HP.R3

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 6.75

Time(hrs)	Print Inc(min)
25.000	5.00

Name: 005Y072HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\005Y072HP.R3

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 8.35

Time(hrs)	Print Inc(min)
73.000	5.00

Name: 010Y001HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\010Y001HP.R3

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 3.15

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 010Y002HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\010Y002HP.R3

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 4.00

Time(hrs)	Print Inc(min)
3.000	2.50

Name: 010Y004HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\010Y004HP.R3

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 5.00

Time(hrs)	Print Inc(min)
5.000	5.00

Name: 010Y008HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\010Y008HP.R3

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8

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Rainfall Amount(in): 6.20

Time(hrs)	Print Inc(min)
9.000	5.00

Name: 010Y024HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\010Y024HP.R3

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 8.00

Time(hrs)	Print Inc(min)
25.000	5.00

Name: 010Y072HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\010Y072HP.R3

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 9.53

Time(hrs)	Print Inc(min)
73.000	5.00

Name: 010yr24hr
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\DOT Pond 7 Expansion\SWFWMD\R

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Flmod
Rainfall Amount(in): 7.00

Time(hrs)	Print Inc(min)
30.000	15.00

Name: 025Y001HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\025Y001HP.R3

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 3.60

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 025Y002HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\025Y002HP.R3

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 4.80

Time(hrs)	Print Inc(min)
3.000	2.50

Name: 025Y004HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\025Y004HP.R3

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4

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Rainfall Amount(in): 5.92

Time(hrs)	Print Inc(min)
5.000	5.00

Name: 025Y008HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\025Y008HP.R3

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 7.20

Time(hrs)	Print Inc(min)
9.000	5.00

Name: 025Y024HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\025Y024HP.R3

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 9.40

Time(hrs)	Print Inc(min)
25.000	5.00

Name: 025Y072HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\025Y072HP.R3

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 12.00

Time(hrs)	Print Inc(min)
73.000	5.00

Name: 025yr24hr
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\DOT Pond 7 Expansion\SWFWMD\R

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Flmod
Rainfall Amount(in): 8.00

Time(hrs)	Print Inc(min)
30.000	15.00

Name: 050Y001HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\050Y001HP.R3

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 4.00

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 050Y002HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\050Y002HP.R3

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2

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Rainfall Amount(in): 5.40

Time(hrs)	Print Inc(min)
3.000	2.50

Name: 050Y004HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\050Y004HP.R3

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 6.40

Time(hrs)	Print Inc(min)
5.000	5.00

Name: 050Y008HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\050Y008HP.R3

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 8.00

Time(hrs)	Print Inc(min)
9.000	5.00

Name: 050Y024HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\050Y024HP.R3

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 10.40

Time(hrs)	Print Inc(min)
25.000	5.00

Name: 050Y072HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\050Y072HP.R3

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 13.60

Time(hrs)	Print Inc(min)
73.000	5.00

Name: 100Y001HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\100Y001HP.R3

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 4.45

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 100Y002HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\100Y002HP.R3

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2

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```
    Rainfall Amount(in): 6.00

Time(hrs)       Print Inc(min)
--------------- ---------------
3.000           2.50

-------------------------------------------------------------------------------------------------------
         Name: 100Y004HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\100Y004HP.R3

      Override Defaults: Yes
    Storm Duration(hrs): 4.00
          Rainfall File: FDOT-4
    Rainfall Amount(in): 7.20

Time(hrs)       Print Inc(min)
--------------- ---------------
5.000           5.00

-------------------------------------------------------------------------------------------------------
         Name: 100Y008HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\100Y008HP.R3

      Override Defaults: Yes
    Storm Duration(hrs): 8.00
          Rainfall File: FDOT-8
    Rainfall Amount(in): 9.20

Time(hrs)       Print Inc(min)
--------------- ---------------
9.000           5.00

-------------------------------------------------------------------------------------------------------
         Name: 100Y024HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\100Y024HP.R3

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: FDOT-24
    Rainfall Amount(in): 11.80

Time(hrs)       Print Inc(min)
--------------- ---------------
25.000          5.00

-------------------------------------------------------------------------------------------------------
         Name: 100Y072HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\100Y072HP.R3

      Override Defaults: Yes
    Storm Duration(hrs): 72.00
          Rainfall File: FDOT-72
    Rainfall Amount(in): 15.43

Time(hrs)       Print Inc(min)
--------------- ---------------
73.000          5.00

-------------------------------------------------------------------------------------------------------
         Name: 100yr24hr
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\DOT Pond 7 Expansion\SWFWMD\R

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Flmod
    Rainfall Amount(in): 10.00

Time(hrs)       Print Inc(min)
--------------- ---------------
48.000          5.00

-------------------------------------------------------------------------------------------------------
         Name: 2.33yr24hr
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\DOT Pond 7 Expansion\SWFWMD\R

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Flmod
```


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```
    Rainfall Amount(in): 4.50

Time(hrs)       Print Inc(min)
--------------- ---------------
96.000          5.00

------------------------------------------------------------------------------------------------------
         Name: 25Y24HFLMODP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\25Y24HFLMODP

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Flmod
    Rainfall Amount(in): 8.10

Time(hrs)       Print Inc(min)
--------------- ---------------
30.000          15.00

==============================================================================================
==== Routing Simulations ======================================================================
==============================================================================================

         Name: 002Y001H            Hydrology Sim: 002Y001HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\002Y001H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 2.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
2.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


------------------------------------------------------------------------------------------------------
         Name: 002Y002H            Hydrology Sim: 002Y002HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\002Y002H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 3.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
3.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


------------------------------------------------------------------------------------------------------
         Name: 002Y004H            Hydrology Sim: 002Y004HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\002Y004H.I32
```


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```
     Execute: No          Restart: No            Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 5.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
       Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
5.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------------
         Name: 002Y008H            Hydrology Sim: 002Y008HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\002Y008H.I32

     Execute: No          Restart: No            Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 9.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
       Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
9.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------------
         Name: 002Y024H            Hydrology Sim: 002Y024HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\002Y024H.I32

     Execute: No          Restart: No            Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 25.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
       Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
25.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------------
         Name: 002Y072H            Hydrology Sim: 002Y072HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\002Y072H.I32
```


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```
     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 73.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
73.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 003Y024H            Hydrology Sim: 003Y024HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\003Y024H.I32

     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 47.50
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
48.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 005Y001H            Hydrology Sim: 005Y001HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\005Y001H.I32

     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 2.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
2.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 005Y002H            Hydrology Sim: 005Y002HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\005Y002H.I32
```


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```
     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 3.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
3.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------------
         Name: 005Y004H            Hydrology Sim: 005Y004HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\005Y004H.I32

     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 5.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
5.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------------
         Name: 005Y008H            Hydrology Sim: 005Y008HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\005Y008H.I32

     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 9.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
9.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------------
         Name: 005Y024H            Hydrology Sim: 005Y024HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\005Y024H.I32
```


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```
     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 25.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
       Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
25.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------------
         Name: 005Y072H            Hydrology Sim: 005Y072HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\005Y072H.I32

     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 73.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
       Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
73.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------------
         Name: 010Y001H            Hydrology Sim: 010Y001HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\010Y001H.I32

     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 2.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
       Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
2.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------------
         Name: 010Y002H            Hydrology Sim: 010Y002HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\010Y002H.I32
```


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```
     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 3.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
3.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------------
         Name: 010Y004H            Hydrology Sim: 010Y004HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\010Y004H.I32

     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 5.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
5.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------------
         Name: 010Y008H            Hydrology Sim: 010Y008HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\010Y008H.I32

     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 9.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
9.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------------
         Name: 010Y024H            Hydrology Sim: 010Y024HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\010Y024H.I32
```


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```
     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 25.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
       Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
25.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 010Y072H            Hydrology Sim: 010Y072HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\010Y072H.I32

     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 73.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
       Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
73.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 025Y001H            Hydrology Sim: 025Y001HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\025Y001H.I32

     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 2.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
       Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
2.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 025Y002H            Hydrology Sim: 025Y002HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\025Y002H.I32
```


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```
     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 3.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
3.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------------
         Name: 025Y004H            Hydrology Sim: 025Y004HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\025Y004H.I32

     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 5.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
5.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------------
         Name: 025Y008H            Hydrology Sim: 025Y008HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\025Y008H.I32

     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 9.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
9.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------------
         Name: 025Y024H            Hydrology Sim: 025Y024HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\025Y024H.I32
```


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```
     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 25.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
25.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------------
         Name: 025Y072H            Hydrology Sim: 025Y072HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\025Y072H.I32

     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 73.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
73.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------------
         Name: 050Y001H            Hydrology Sim: 050Y001HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\050Y001H.I32

     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 2.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
2.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------------
         Name: 050Y002H            Hydrology Sim: 050Y002HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\050Y002H.I32
```


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```
     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 3.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
3.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------------
         Name: 050Y004H            Hydrology Sim: 050Y004HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\050Y004H.I32

     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 5.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
5.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------------
         Name: 050Y008H            Hydrology Sim: 050Y008HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\050Y008H.I32

     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 9.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
9.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------------
         Name: 050Y024H            Hydrology Sim: 050Y024HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\050Y024H.I32
```


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```
     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 25.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
       Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
25.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 050Y072H            Hydrology Sim: 050Y072HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\050Y072H.I32

     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 73.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
       Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
73.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 100Y001H            Hydrology Sim: 100Y001HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\100Y001H.I32

     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 2.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
       Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
2.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 100Y002H            Hydrology Sim: 100Y002HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\100Y002H.I32
```


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```
     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 3.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
3.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------------
         Name: 100Y004H            Hydrology Sim: 100Y004HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\100Y004H.I32

     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 5.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
5.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------------
         Name: 100Y008H            Hydrology Sim: 100Y008HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\100Y008H.I32

     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 9.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
9.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------------
         Name: 100Y024H            Hydrology Sim: 100Y024HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\100Y024H.I32
```


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```
     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 25.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages: 100YR24HR              Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
25.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------------
         Name: 100Y072H            Hydrology Sim: 100Y072HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\100Y072H.I32

     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 73.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
73.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------------
         Name: 100yr24hr           Hydrology Sim: 100yr24hr
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\DOT Pond 7 Expansion\SWFWMD\R

     Execute: Yes         Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 48.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages: 100YR24HR              Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------------
         Name: 10yr24hr            Hydrology Sim: 010yr24hr
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\DOT Pond 7 Expansion\SWFWMD\R
```


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```
     Execute: Yes         Restart: No            Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 24.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages: 10yr25hr                Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 2.33yr24hr          Hydrology Sim: 2.33yr24hr
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\DOT Pond 7 Expansion\SWFWMD\R

     Execute: No          Restart: No            Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 96.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 96.0000
       Boundary Stages: 2.33yr24hr              Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 25Y24HFLMOD         Hydrology Sim: 25Y24HFLMODP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\25Y24HFLMOD.

     Execute: No          Restart: No            Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 25.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
48.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 25yr24hr            Hydrology Sim: 025yr24hr
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\DOT Pond 7 Expansion\SWFWMD\R
```


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```
     Execute: Yes         Restart: No            Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 24.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


================================================================================================
==== Boundary Conditions ======================================================================
================================================================================================

      Name: 100YR24HR             Node: TailW W24             Type: Stage

      Time(hrs)       Stage(ft)
--------------- ---------------
          0.000          32.880
          4.000          32.910
          7.000          33.020
         10.000          33.240
         11.750          33.510
         13.000          34.520
         15.000          34.660
         17.000          34.630
         19.000          34.590
         22.000          34.510
         25.000          34.400
         28.000          34.260
         31.000          34.130
         34.000          34.030
         37.000          33.940
         40.000          33.860
         48.000          33.780

------------------------------------------------------------------------------------------------
      Name: 100YR24HR             Node: N_HH03085             Type: Stage

      Time(hrs)       Stage(ft)
--------------- ---------------
          0.000          26.250
          4.800          26.300
         11.700          27.610
         13.500          29.650
         16.400          30.160
         25.400          29.180
         30.000          28.000
         34.500          27.490
         60.000          26.580

------------------------------------------------------------------------------------------------
      Name: 100YR24HR             Node: N_WS07010             Type: Stage

      Time(hrs)       Stage(ft)
--------------- ---------------
          0.000          27.630
          2.600          27.630
          5.300          29.170
         11.900          29.620
         13.400          29.950
         14.900          29.860
         16.700          30.060
         22.600          29.610
         30.000          29.190
         40.000          28.810
```


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50.000	28.560
60.000	28.400

Name: 100YR24HR Node: BOX 1-IN tw Type: Stage

Time(hrs)	Stage(ft)
0.000	30.040
0.080	30.150
0.170	30.170
0.250	30.160
0.330	30.150
0.420	30.140
0.500	30.130
0.580	30.120
0.670	30.110
0.750	30.110
0.830	30.100
0.920	30.100
1.000	30.100
1.080	30.090
1.170	30.090
1.250	30.090
1.330	30.090
1.420	30.090
1.500	30.090
1.580	30.080
1.670	30.080
1.750	30.080
1.830	30.080
1.920	30.080
2.000	30.080
2.080	30.080
2.170	30.080
2.250	30.080
2.330	30.080
2.420	30.080
2.500	30.080
2.580	30.090
2.670	30.090
2.750	30.090
2.830	30.090
2.920	30.100
3.000	30.100
3.080	30.100
3.170	30.110
3.250	30.110
3.330	30.120
3.420	30.120
3.500	30.130
3.580	30.130
3.670	30.140
3.750	30.150
3.830	30.150
3.920	30.160
4.000	30.160
4.080	30.170
4.170	30.180
4.250	30.180
4.330	30.190
4.420	30.190
4.500	30.200
4.580	30.200
4.670	30.210
4.750	30.210
4.830	30.220
4.920	30.220
5.000	30.230
5.080	30.230
5.170	30.240
5.250	30.240
5.330	30.250
5.420	30.250
5.500	30.260
5.580	30.260
5.670	30.270
5.750	30.270

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5.830	30.280
5.920	30.280
6.000	30.280
6.080	30.290
6.170	30.290
6.250	30.300
6.330	30.300
6.420	30.300
6.500	30.310
6.580	30.310
6.670	30.320
6.750	30.320
6.830	30.320
6.920	30.330
7.000	30.330
7.080	30.340
7.170	30.340
7.250	30.350
7.330	30.350
7.420	30.360
7.500	30.360
7.580	30.370
7.670	30.370
7.750	30.380
7.830	30.390
7.920	30.390
8.000	30.400
8.080	30.410
8.170	30.420
8.250	30.430
8.330	30.440
8.420	30.440
8.500	30.450
8.580	30.460
8.670	30.470
8.750	30.480
8.830	30.490
8.920	30.500
9.000	30.510
9.080	30.520
9.170	30.530
9.250	30.540
9.330	30.550
9.420	30.570
9.500	30.580
9.580	30.590
9.670	30.600
9.750	30.610
9.830	30.630
9.920	30.640
10.000	30.650
10.080	30.660
10.170	30.680
10.250	30.690
10.330	30.700
10.420	30.720
10.500	30.730
10.580	30.750
10.670	30.760
10.750	30.780
10.830	30.790
10.920	30.810
11.000	30.830
11.080	30.850
11.170	30.870
11.250	30.880
11.330	30.900
11.420	30.920
11.500	30.940
11.580	30.960
11.670	30.980
11.750	31.000
11.830	31.040
11.920	31.120
12.000	31.250
12.080	31.410
12.170	31.580
12.250	31.740

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12.330	31.900
12.420	32.040
12.500	32.160
12.580	32.260
12.670	32.340
12.750	32.400
12.830	32.450
12.920	32.480
13.000	32.510
13.080	32.520
13.170	32.540
13.250	32.550
13.330	32.560
13.420	32.560
13.500	32.560
13.580	32.560
13.670	32.560
13.750	32.550
13.830	32.550
13.920	32.550
14.000	32.540
14.080	32.540
14.170	32.540
14.250	32.540
14.330	32.550
14.420	32.550
14.500	32.550
14.580	32.560
14.670	32.560
14.750	32.570
14.830	32.570
14.920	32.580
15.000	32.590
15.080	32.590
15.170	32.600
15.250	32.610
15.330	32.620
15.420	32.620
15.500	32.630
15.580	32.640
15.670	32.640
15.750	32.650
15.830	32.650
15.920	32.660
16.000	32.670
16.080	32.670
16.170	32.680
16.250	32.680
16.330	32.690
16.420	32.690
16.500	32.700
16.580	32.700
16.670	32.710
16.750	32.710
16.830	32.710
16.920	32.720
17.000	32.720
17.080	32.720
17.170	32.720
17.250	32.720
17.330	32.720
17.420	32.730
17.500	32.730
17.580	32.730
17.670	32.730
17.750	32.730
17.830	32.730
17.920	32.730
18.000	32.730
18.080	32.730
18.170	32.730
18.250	32.730
18.330	32.730
18.420	32.720
18.500	32.720
18.580	32.720
18.670	32.720
18.750	32.720

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18.830	32.720
18.920	32.720
19.000	32.710
19.080	32.710
19.170	32.710
19.250	32.710
19.330	32.700
19.420	32.700
19.500	32.700
19.580	32.690
19.670	32.690
19.750	32.690
19.830	32.690
19.920	32.680
20.000	32.680
20.080	32.680
20.170	32.670
20.250	32.670
20.330	32.670
20.420	32.660
20.500	32.660
20.580	32.650
20.670	32.650
20.750	32.650
20.830	32.640
20.920	32.640
21.000	32.630
21.080	32.630
21.170	32.630
21.250	32.620
21.330	32.620
21.420	32.610
21.500	32.610
21.580	32.600
21.670	32.600
21.750	32.600
21.830	32.590
21.920	32.590
22.000	32.580
22.080	32.580
22.170	32.570
22.250	32.570
22.330	32.560
22.420	32.560
22.500	32.550
22.580	32.550
22.670	32.540
22.750	32.540
22.830	32.530
22.920	32.530
23.000	32.520
23.080	32.510
23.170	32.510
23.250	32.500
23.330	32.500
23.420	32.490
23.500	32.490
23.580	32.480
23.670	32.480
23.750	32.470
23.830	32.460
23.920	32.460
24.000	32.450
24.080	32.440
24.170	32.430
24.250	32.430
24.330	32.420
24.420	32.410
24.500	32.400
24.580	32.390
24.670	32.380
24.750	32.370
24.830	32.360
24.920	32.350
25.000	32.340
25.080	32.330
25.170	32.320
25.250	32.300

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25.330	32.290
25.420	32.280
25.500	32.270
25.580	32.260
25.670	32.250
25.750	32.230
25.830	32.220
25.920	32.210
26.000	32.200
26.080	32.190
26.170	32.180
26.250	32.160
26.330	32.150
26.420	32.140
26.500	32.130
26.580	32.120
26.670	32.110
26.750	32.100
26.830	32.090
26.920	32.080
27.000	32.060
27.080	32.050
27.170	32.040
27.250	32.030
27.330	32.020
27.420	32.010
27.500	32.000
27.580	31.990
27.670	31.980
27.750	31.970
27.830	31.950
27.920	31.940
28.000	31.930
28.080	31.920
28.170	31.910
28.250	31.900
28.330	31.890
28.420	31.880
28.500	31.870
28.580	31.860
28.670	31.850
28.750	31.840
28.830	31.830
28.920	31.820
29.000	31.810
29.080	31.800
29.170	31.790
29.250	31.780
29.330	31.770
29.420	31.760
29.500	31.750
29.580	31.730
29.670	31.720
29.750	31.710
29.830	31.700
29.920	31.690
30.000	31.680
30.080	31.670
30.170	31.660
30.250	31.650
30.330	31.640
30.420	31.640
30.500	31.630
30.580	31.620
30.670	31.610
30.750	31.600
30.830	31.590
30.920	31.580
31.000	31.570
31.080	31.560
31.170	31.550
31.250	31.540
31.330	31.530
31.420	31.520
31.500	31.510
31.580	31.500
31.670	31.490
31.750	31.480

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31.830	31.470
31.920	31.460
32.000	31.450
32.080	31.440
32.170	31.440
32.250	31.430
32.330	31.420
32.420	31.410
32.500	31.400
32.580	31.390
32.670	31.380
32.750	31.370
32.830	31.360
32.920	31.350
33.000	31.340
33.080	31.330
33.170	31.320
33.250	31.310
33.330	31.300
33.420	31.300
33.500	31.290
33.580	31.280
33.670	31.270
33.750	31.260
33.830	31.260
33.920	31.250
34.000	31.240
34.080	31.230
34.170	31.230
34.250	31.220
34.330	31.220
34.420	31.210
34.500	31.200
34.580	31.200
34.670	31.190
34.750	31.190
34.830	31.180
34.920	31.180
35.000	31.170
35.080	31.160
35.170	31.160
35.250	31.150
35.330	31.140
35.420	31.140
35.500	31.130
35.580	31.120
35.670	31.120
35.750	31.110
35.830	31.100
35.920	31.100
36.000	31.090
36.080	31.080
36.170	31.080
36.250	31.070
36.330	31.060
36.420	31.060
36.500	31.050
36.580	31.040
36.670	31.030
36.750	31.030
36.830	31.020
36.920	31.010
37.000	31.010
37.080	31.000
37.170	30.990
37.250	30.980
37.330	30.980
37.420	30.970
37.500	30.960
37.580	30.950
37.670	30.950
37.750	30.940
37.830	30.930
37.920	30.920
38.000	30.920
38.080	30.910
38.170	30.900
38.250	30.890

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38.330	30.890
38.420	30.880
38.500	30.870
38.580	30.860
38.670	30.850
38.750	30.850
38.830	30.840
38.920	30.830
39.000	30.820
39.080	30.820
39.170	30.810
39.250	30.800
39.330	30.790
39.420	30.790
39.500	30.780
39.580	30.770
39.670	30.770
39.750	30.760
39.830	30.750
39.920	30.750
40.000	30.740
40.080	30.730
40.170	30.730
40.250	30.720
40.330	30.710
40.420	30.710
40.500	30.700
40.580	30.700
40.670	30.690
40.750	30.690
40.830	30.680
40.920	30.680
41.000	30.670
41.080	30.660
41.170	30.660
41.250	30.660
41.330	30.650
41.420	30.650
41.500	30.640
41.580	30.640
41.670	30.630
41.750	30.630
41.830	30.620
41.920	30.620
42.000	30.620
42.080	30.610
42.170	30.610
42.250	30.600
42.330	30.600
42.420	30.600
42.500	30.590
42.580	30.590
42.670	30.590
42.750	30.580
42.830	30.580
42.920	30.580
43.000	30.570
43.080	30.570
43.170	30.570
43.250	30.560
43.330	30.560
43.420	30.560
43.500	30.550
43.580	30.550
43.670	30.550
43.750	30.550
43.830	30.550
43.920	30.540
44.000	30.540
44.080	30.540
44.170	30.540
44.250	30.540
44.330	30.530
44.420	30.530
44.500	30.530
44.580	30.530
44.670	30.530
44.750	30.530

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44.830	30.520
44.920	30.520
45.000	30.520
45.080	30.520
45.170	30.520
45.250	30.520
45.330	30.520
45.420	30.510
45.500	30.510
45.580	30.510
45.670	30.510
45.750	30.510
45.830	30.510
45.920	30.510
46.000	30.500
46.080	30.500
46.170	30.500
46.250	30.500
46.330	30.500
46.420	30.500
46.500	30.500
46.580	30.500
46.670	30.500
46.750	30.490
46.830	30.490
46.920	30.490
47.000	30.490
47.080	30.490
47.170	30.490
47.250	30.490
47.330	30.490
47.420	30.490
47.500	30.480
47.580	30.480
47.670	30.480
47.750	30.480
47.830	30.480
47.920	30.480
48.000	30.480
48.080	30.480
48.170	30.480
48.250	30.480
48.330	30.470
48.420	30.470
48.500	30.470
48.580	30.470
48.670	30.470
48.750	30.470
48.830	30.470
48.920	30.470
49.000	30.470
49.080	30.470
49.170	30.470
49.250	30.460
49.330	30.460
49.420	30.460
49.500	30.460
49.580	30.460
49.670	30.460
49.750	30.460
49.830	30.460
49.920	30.460
50.000	30.460
50.080	30.460
50.170	30.450
50.250	30.450
50.330	30.450
50.420	30.450
50.500	30.450
50.580	30.450
50.670	30.450
50.750	30.450
50.830	30.450
50.920	30.440
51.000	30.440
51.080	30.440
51.170	30.440
51.250	30.440

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51.330	30.440
51.420	30.440
51.500	30.440
51.580	30.440
51.670	30.440
51.750	30.430
51.830	30.430
51.920	30.430
52.000	30.430
52.080	30.430
52.170	30.430
52.250	30.430
52.330	30.430
52.420	30.430
52.500	30.430
52.580	30.420
52.670	30.420
52.750	30.420
52.830	30.420
52.920	30.420
53.000	30.420
53.080	30.420
53.170	30.420
53.250	30.420
53.330	30.420
53.420	30.410
53.500	30.410
53.580	30.410
53.670	30.410
53.750	30.410
53.830	30.410
53.920	30.410
54.000	30.410
54.080	30.410
54.170	30.410
54.250	30.400
54.330	30.400
54.420	30.400
54.500	30.400
54.580	30.400
54.670	30.400
54.750	30.400
54.830	30.400
54.920	30.400
55.000	30.400
55.080	30.400
55.170	30.390
55.250	30.390
55.330	30.390
55.420	30.390
55.500	30.390
55.580	30.390
55.670	30.390
55.750	30.390
55.830	30.390
55.920	30.390
56.000	30.390
56.080	30.390
56.170	30.380
56.250	30.380
56.330	30.380
56.420	30.380
56.500	30.380
56.580	30.380
56.670	30.380
56.750	30.380
56.830	30.380
56.920	30.380
57.000	30.380
57.080	30.380
57.170	30.380
57.250	30.380
57.330	30.370
57.420	30.370
57.500	30.370
57.580	30.370
57.670	30.370
57.750	30.370

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57.830	30.370
57.920	30.370
58.000	30.370
58.080	30.370
58.170	30.370
58.250	30.370
58.330	30.370
58.420	30.360
58.500	30.360
58.580	30.360
58.670	30.360
58.750	30.360
58.830	30.360
58.920	30.360
59.000	30.360
59.080	30.360
59.170	30.360
59.250	30.360
59.330	30.360
59.420	30.360
59.500	30.360
59.580	30.350
59.670	30.350
59.750	30.350
59.830	30.350
59.920	30.350
60.000	30.350
60.080	30.350
60.170	30.350
60.250	30.350
60.330	30.350
60.420	30.350
60.500	30.350
60.580	30.350
60.670	30.350
60.750	30.350
60.830	30.340
60.920	30.340
61.000	30.340
61.080	30.340
61.170	30.340
61.250	30.340
61.330	30.340
61.420	30.340
61.500	30.340
61.580	30.340
61.670	30.340
61.750	30.340
61.830	30.340
61.920	30.340
62.000	30.340
62.080	30.330
62.170	30.330
62.250	30.330
62.330	30.330
62.420	30.330
62.500	30.330
62.580	30.330
62.670	30.330
62.750	30.330
62.830	30.330
62.920	30.330
63.000	30.330
63.080	30.330
63.170	30.330
63.250	30.330
63.330	30.330
63.420	30.320
63.500	30.320
63.580	30.320
63.670	30.320
63.750	30.320
63.830	30.320
63.920	30.320
64.000	30.320
64.080	30.320
64.170	30.320
64.250	30.320

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64.330	30.320
64.420	30.320
64.500	30.320
64.580	30.320
64.670	30.320
64.750	30.310
64.830	30.310
64.920	30.310
65.000	30.310
65.080	30.310
65.170	30.310
65.250	30.310
65.330	30.310
65.420	30.310
65.500	30.310
65.580	30.310
65.670	30.310
65.750	30.310
65.830	30.310
65.920	30.310
66.000	30.310
66.080	30.300
66.170	30.300
66.250	30.300
66.330	30.300
66.420	30.300
66.500	30.300
66.580	30.300
66.670	30.300
66.750	30.300
66.830	30.300
66.920	30.300
67.000	30.300
67.080	30.300
67.170	30.300
67.250	30.300
67.330	30.300
67.420	30.300
67.500	30.290
67.580	30.290
67.670	30.290
67.750	30.290
67.830	30.290
67.920	30.290
68.000	30.290
68.080	30.290
68.170	30.290
68.250	30.290
68.330	30.290
68.420	30.290
68.500	30.290
68.580	30.290
68.670	30.290
68.750	30.290
68.830	30.290
68.920	30.280
69.000	30.280
69.080	30.280
69.170	30.280
69.250	30.280
69.330	30.280
69.420	30.280
69.500	30.280
69.580	30.280
69.670	30.280
69.750	30.280
69.830	30.280
69.920	30.280
70.000	30.280
70.080	30.280
70.170	30.280
70.250	30.280
70.330	30.270
70.420	30.270
70.500	30.270
70.580	30.270
70.670	30.270
70.750	30.270

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70.830	30.270
70.920	30.270
71.000	30.270
71.080	30.270
71.170	30.270
71.250	30.270
71.330	30.270
71.420	30.270
71.500	30.270
71.580	30.270
71.670	30.270
71.750	30.270
71.830	30.260
71.920	30.260
72.000	30.260

Name: 100YR24HR Node: MH-1-PB-tw Type: Stage

Time(hrs)	Stage(ft)
0.000	30.040
0.080	29.400
0.170	29.190
0.250	29.120
0.330	29.110
0.420	29.100
0.500	29.090
0.580	29.090
0.670	29.080
0.750	29.080
0.830	29.070
0.920	29.070
1.000	29.070
1.080	29.070
1.170	29.070
1.250	29.060
1.330	29.060
1.420	29.060
1.500	29.060
1.580	29.060
1.670	29.060
1.750	29.060
1.830	29.060
1.920	29.060
2.000	29.050
2.080	29.050
2.170	29.050
2.250	29.050
2.330	29.050
2.420	29.050
2.500	29.050
2.580	29.050
2.670	29.050
2.750	29.050
2.830	29.050
2.920	29.060
3.000	29.060
3.080	29.060
3.170	29.060
3.250	29.060
3.330	29.060
3.420	29.060
3.500	29.060
3.580	29.070
3.670	29.070
3.750	29.070
3.830	29.070
3.920	29.080
4.000	29.080
4.080	29.080
4.170	29.090
4.250	29.090
4.330	29.090
4.420	29.100
4.500	29.100
4.580	29.100
4.670	29.100

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4.750	29.110
4.830	29.110
4.920	29.110
5.000	29.120
5.080	29.120
5.170	29.120
5.250	29.130
5.330	29.130
5.420	29.140
5.500	29.140
5.580	29.140
5.670	29.150
5.750	29.150
5.830	29.150
5.920	29.160
6.000	29.160
6.080	29.160
6.170	29.160
6.250	29.170
6.330	29.170
6.420	29.170
6.500	29.180
6.580	29.180
6.670	29.180
6.750	29.190
6.830	29.190
6.920	29.190
7.000	29.200
7.080	29.200
7.170	29.200
7.250	29.210
7.330	29.210
7.420	29.220
7.500	29.220
7.580	29.230
7.670	29.230
7.750	29.240
7.830	29.250
7.920	29.260
8.000	29.270
8.080	29.290
8.170	29.300
8.250	29.310
8.330	29.330
8.420	29.340
8.500	29.360
8.580	29.370
8.670	29.380
8.750	29.400
8.830	29.420
8.920	29.430
9.000	29.450
9.080	29.470
9.170	29.480
9.250	29.500
9.330	29.520
9.420	29.530
9.500	29.550
9.580	29.570
9.670	29.590
9.750	29.600
9.830	29.620
9.920	29.640
10.000	29.660
10.080	29.680
10.170	29.700
10.250	29.730
10.330	29.750
10.420	29.770
10.500	29.800
10.580	29.820
10.670	29.850
10.750	29.880
10.830	29.910
10.920	29.940
11.000	29.980
11.080	30.010
11.170	30.050

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11.250	30.080
11.330	30.120
11.420	30.160
11.500	30.210
11.580	30.260
11.670	30.330
11.750	30.430
11.830	30.560
11.920	30.730
12.000	30.920
12.080	31.150
12.170	31.400
12.250	31.640
12.330	31.830
12.420	31.990
12.500	32.170
12.580	32.330
12.670	32.430
12.750	32.510
12.830	32.550
12.920	32.580
13.000	32.600
13.080	32.620
13.170	32.630
13.250	32.640
13.330	32.650
13.420	32.660
13.500	32.660
13.580	32.660
13.670	32.660
13.750	32.650
13.830	32.650
13.920	32.640
14.000	32.630
14.080	32.630
14.170	32.630
14.250	32.620
14.330	32.620
14.420	32.620
14.500	32.620
14.580	32.620
14.670	32.630
14.750	32.630
14.830	32.640
14.920	32.650
15.000	32.670
15.080	32.680
15.170	32.690
15.250	32.700
15.330	32.720
15.420	32.730
15.500	32.740
15.580	32.750
15.670	32.750
15.750	32.760
15.830	32.770
15.920	32.780
16.000	32.790
16.080	32.800
16.170	32.810
16.250	32.820
16.330	32.830
16.420	32.840
16.500	32.840
16.580	32.850
16.670	32.860
16.750	32.860
16.830	32.870
16.920	32.870
17.000	32.880
17.080	32.880
17.170	32.890
17.250	32.900
17.330	32.900
17.420	32.900
17.500	32.910
17.580	32.910
17.670	32.920

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17.750	32.920
17.830	32.920
17.920	32.930
18.000	32.930
18.080	32.930
18.170	32.940
18.250	32.940
18.330	32.940
18.420	32.940
18.500	32.950
18.580	32.950
18.670	32.950
18.750	32.950
18.830	32.950
18.920	32.950
19.000	32.950
19.080	32.950
19.170	32.960
19.250	32.960
19.330	32.960
19.420	32.960
19.500	32.960
19.580	32.960
19.670	32.960
19.750	32.960
19.830	32.960
19.920	32.960
20.000	32.960
20.080	32.960
20.170	32.960
20.250	32.960
20.330	32.960
20.420	32.960
20.500	32.950
20.580	32.950
20.670	32.950
20.750	32.950
20.830	32.950
20.920	32.950
21.000	32.950
21.080	32.950
21.170	32.940
21.250	32.940
21.330	32.940
21.420	32.940
21.500	32.930
21.580	32.930
21.670	32.930
21.750	32.920
21.830	32.920
21.920	32.920
22.000	32.910
22.080	32.910
22.170	32.900
22.250	32.900
22.330	32.900
22.420	32.890
22.500	32.890
22.580	32.890
22.670	32.880
22.750	32.870
22.830	32.870
22.920	32.860
23.000	32.860
23.080	32.850
23.170	32.850
23.250	32.840
23.330	32.840
23.420	32.830
23.500	32.830
23.580	32.820
23.670	32.810
23.750	32.800
23.830	32.790
23.920	32.780
24.000	32.770
24.080	32.740
24.170	32.720

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24.250	32.690
24.330	32.660
24.420	32.640
24.500	32.610
24.580	32.580
24.670	32.550
24.750	32.520
24.830	32.480
24.920	32.450
25.000	32.420
25.080	32.390
25.170	32.360
25.250	32.330
25.330	32.310
25.420	32.280
25.500	32.250
25.580	32.230
25.670	32.210
25.750	32.180
25.830	32.160
25.920	32.140
26.000	32.120
26.080	32.100
26.170	32.080
26.250	32.060
26.330	32.040
26.420	32.020
26.500	32.000
26.580	31.990
26.670	31.970
26.750	31.950
26.830	31.940
26.920	31.920
27.000	31.910
27.080	31.890
27.170	31.880
27.250	31.860
27.330	31.850
27.420	31.840
27.500	31.820
27.580	31.810
27.670	31.800
27.750	31.780
27.830	31.770
27.920	31.760
28.000	31.750
28.080	31.740
28.170	31.720
28.250	31.710
28.330	31.700
28.420	31.690
28.500	31.680
28.580	31.670
28.670	31.650
28.750	31.640
28.830	31.630
28.920	31.620
29.000	31.610
29.080	31.600
29.170	31.590
29.250	31.570
29.330	31.560
29.420	31.550
29.500	31.540
29.580	31.530
29.670	31.520
29.750	31.510
29.830	31.500
29.920	31.480
30.000	31.470
30.080	31.460
30.170	31.450
30.250	31.440
30.330	31.430
30.420	31.420
30.500	31.410
30.580	31.400
30.670	31.390

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30.750	31.380
30.830	31.370
30.920	31.360
31.000	31.350
31.080	31.340
31.170	31.330
31.250	31.310
31.330	31.300
31.420	31.290
31.500	31.280
31.580	31.270
31.670	31.260
31.750	31.250
31.830	31.240
31.920	31.230
32.000	31.220
32.080	31.200
32.170	31.190
32.250	31.180
32.330	31.170
32.420	31.160
32.500	31.140
32.580	31.130
32.670	31.120
32.750	31.100
32.830	31.090
32.920	31.070
33.000	31.060
33.080	31.050
33.170	31.030
33.250	31.020
33.330	31.000
33.420	30.990
33.500	30.980
33.580	30.960
33.670	30.950
33.750	30.930
33.830	30.920
33.920	30.900
34.000	30.890
34.080	30.880
34.170	30.860
34.250	30.850
34.330	30.830
34.420	30.820
34.500	30.800
34.580	30.790
34.670	30.770
34.750	30.760
34.830	30.750
34.920	30.730
35.000	30.720
35.080	30.710
35.170	30.690
35.250	30.680
35.330	30.670
35.420	30.650
35.500	30.640
35.580	30.630
35.670	30.620
35.750	30.600
35.830	30.590
35.920	30.580
36.000	30.560
36.080	30.550
36.170	30.530
36.250	30.520
36.330	30.510
36.420	30.490
36.500	30.480
36.580	30.470
36.670	30.450
36.750	30.440
36.830	30.420
36.920	30.410
37.000	30.390
37.080	30.380
37.170	30.370

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37.250	30.350
37.330	30.340
37.420	30.320
37.500	30.310
37.580	30.290
37.670	30.280
37.750	30.270
37.830	30.250
37.920	30.240
38.000	30.220
38.080	30.210
38.170	30.190
38.250	30.180
38.330	30.160
38.420	30.150
38.500	30.130
38.580	30.120
38.670	30.100
38.750	30.090
38.830	30.070
38.920	30.060
39.000	30.040
39.080	30.030
39.170	30.020
39.250	30.000
39.330	29.990
39.420	29.970
39.500	29.960
39.580	29.950
39.670	29.940
39.750	29.930
39.830	29.920
39.920	29.900
40.000	29.890
40.080	29.880
40.170	29.870
40.250	29.860
40.330	29.850
40.420	29.840
40.500	29.830
40.580	29.820
40.670	29.810
40.750	29.800
40.830	29.790
40.920	29.780
41.000	29.770
41.080	29.760
41.170	29.750
41.250	29.740
41.330	29.740
41.420	29.730
41.500	29.720
41.580	29.710
41.670	29.700
41.750	29.700
41.830	29.690
41.920	29.680
42.000	29.670
42.080	29.670
42.170	29.660
42.250	29.650
42.330	29.650
42.420	29.640
42.500	29.640
42.580	29.630
42.670	29.620
42.750	29.620
42.830	29.610
42.920	29.610
43.000	29.600
43.080	29.590
43.170	29.590
43.250	29.580
43.330	29.580
43.420	29.570
43.500	29.570
43.580	29.560
43.670	29.560

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43.750	29.550
43.830	29.550
43.920	29.540
44.000	29.540
44.080	29.540
44.170	29.530
44.250	29.530
44.330	29.530
44.420	29.520
44.500	29.520
44.580	29.520
44.670	29.510
44.750	29.510
44.830	29.510
44.920	29.510
45.000	29.500
45.080	29.500
45.170	29.500
45.250	29.500
45.330	29.490
45.420	29.490
45.500	29.490
45.580	29.490
45.670	29.480
45.750	29.480
45.830	29.480
45.920	29.480
46.000	29.470
46.080	29.470
46.170	29.470
46.250	29.470
46.330	29.470
46.420	29.460
46.500	29.460
46.580	29.460
46.670	29.460
46.750	29.450
46.830	29.450
46.920	29.450
47.000	29.450
47.080	29.450
47.170	29.440
47.250	29.440
47.330	29.440
47.420	29.440
47.500	29.430
47.580	29.430
47.670	29.430
47.750	29.430
47.830	29.430
47.920	29.420
48.000	29.420
48.080	29.420
48.170	29.420
48.250	29.420
48.330	29.420
48.420	29.410
48.500	29.410
48.580	29.410
48.670	29.410
48.750	29.410
48.830	29.400
48.920	29.400
49.000	29.400
49.080	29.400
49.170	29.400
49.250	29.400
49.330	29.390
49.420	29.390
49.500	29.390
49.580	29.390
49.670	29.390
49.750	29.390
49.830	29.380
49.920	29.380
50.000	29.380
50.080	29.380
50.170	29.380

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50.250	29.370
50.330	29.370
50.420	29.370
50.500	29.370
50.580	29.370
50.670	29.360
50.750	29.360
50.830	29.360
50.920	29.360
51.000	29.360
51.080	29.350
51.170	29.350
51.250	29.350
51.330	29.350
51.420	29.350
51.500	29.350
51.580	29.340
51.670	29.340
51.750	29.340
51.830	29.340
51.920	29.340
52.000	29.340
52.080	29.330
52.170	29.330
52.250	29.330
52.330	29.330
52.420	29.330
52.500	29.330
52.580	29.320
52.670	29.320
52.750	29.320
52.830	29.320
52.920	29.320
53.000	29.320
53.080	29.310
53.170	29.310
53.250	29.310
53.330	29.310
53.420	29.310
53.500	29.310
53.580	29.300
53.670	29.300
53.750	29.300
53.830	29.300
53.920	29.300
54.000	29.300
54.080	29.290
54.170	29.290
54.250	29.290
54.330	29.290
54.420	29.290
54.500	29.290
54.580	29.290
54.670	29.280
54.750	29.280
54.830	29.280
54.920	29.280
55.000	29.280
55.080	29.280
55.170	29.270
55.250	29.270
55.330	29.270
55.420	29.270
55.500	29.270
55.580	29.270
55.670	29.270
55.750	29.270
55.830	29.260
55.920	29.260
56.000	29.260
56.080	29.260
56.170	29.260
56.250	29.260
56.330	29.260
56.420	29.260
56.500	29.250
56.580	29.250
56.670	29.250

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56.750	29.250
56.830	29.250
56.920	29.250
57.000	29.250
57.080	29.250
57.170	29.240
57.250	29.240
57.330	29.240
57.420	29.240
57.500	29.240
57.580	29.240
57.670	29.240
57.750	29.240
57.830	29.230
57.920	29.230
58.000	29.230
58.080	29.230
58.170	29.230
58.250	29.230
58.330	29.230
58.420	29.230
58.500	29.230
58.580	29.220
58.670	29.220
58.750	29.220
58.830	29.220
58.920	29.220
59.000	29.220
59.080	29.220
59.170	29.220
59.250	29.210
59.330	29.210
59.420	29.210
59.500	29.210
59.580	29.210
59.670	29.210
59.750	29.210
59.830	29.210
59.920	29.210
60.000	29.210
60.080	29.210
60.170	29.200
60.250	29.200
60.330	29.200
60.420	29.200
60.500	29.200
60.580	29.200
60.670	29.200
60.750	29.200
60.830	29.200
60.920	29.200
61.000	29.190
61.080	29.190
61.170	29.190
61.250	29.190
61.330	29.190
61.420	29.190
61.500	29.190
61.580	29.190
61.670	29.190
61.750	29.190
61.830	29.180
61.920	29.180
62.000	29.180
62.080	29.180
62.170	29.180
62.250	29.180
62.330	29.180
62.420	29.180
62.500	29.180
62.580	29.180
62.670	29.170
62.750	29.170
62.830	29.170
62.920	29.170
63.000	29.170
63.080	29.170
63.170	29.170

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63.250	29.170
63.330	29.170
63.420	29.170
63.500	29.170
63.580	29.160
63.670	29.160
63.750	29.160
63.830	29.160
63.920	29.160
64.000	29.160
64.080	29.160
64.170	29.160
64.250	29.160
64.330	29.160
64.420	29.160
64.500	29.160
64.580	29.150
64.670	29.150
64.750	29.150
64.830	29.150
64.920	29.150
65.000	29.150
65.080	29.150
65.170	29.150
65.250	29.150
65.330	29.150
65.420	29.150
65.500	29.140
65.580	29.140
65.670	29.140
65.750	29.140
65.830	29.140
65.920	29.140
66.000	29.140
66.080	29.140
66.170	29.140
66.250	29.140
66.330	29.140
66.420	29.140
66.500	29.140
66.580	29.130
66.670	29.130
66.750	29.130
66.830	29.130
66.920	29.130
67.000	29.130
67.080	29.130
67.170	29.130
67.250	29.130
67.330	29.130
67.420	29.130
67.500	29.130
67.580	29.120
67.670	29.120
67.750	29.120
67.830	29.120
67.920	29.120
68.000	29.120
68.080	29.120
68.170	29.120
68.250	29.120
68.330	29.120
68.420	29.120
68.500	29.120
68.580	29.120
68.670	29.110
68.750	29.110
68.830	29.110
68.920	29.110
69.000	29.110
69.080	29.110
69.170	29.110
69.250	29.110
69.330	29.110
69.420	29.110
69.500	29.110
69.580	29.110
69.670	29.110

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69.750	29.100
69.830	29.100
69.920	29.100
70.000	29.100
70.080	29.100
70.170	29.100
70.250	29.100
70.330	29.100
70.420	29.100
70.500	29.100
70.580	29.100
70.670	29.100
70.750	29.100
70.830	29.100
70.920	29.090
71.000	29.090
71.080	29.090
71.170	29.090
71.250	29.090
71.330	29.090
71.420	29.090
71.500	29.090
71.580	29.090
71.670	29.090
71.750	29.090
71.830	29.090
71.920	29.090
72.000	29.090

Name: 100YR24HR Node: LAKE 3-PB tw Type: Stage

Time(hrs)	Stage(ft)
0.000	30.040
0.080	30.040
0.170	30.040
0.250	30.040
0.330	30.040
0.420	30.040
0.500	30.040
0.580	30.040
0.670	30.040
0.750	30.040
0.830	30.040
0.920	30.040
1.000	30.040
1.080	30.050
1.170	30.050
1.250	30.060
1.330	30.060
1.420	30.070
1.500	30.080
1.580	30.090
1.670	30.090
1.750	30.100
1.830	30.110
1.920	30.120
2.000	30.130
2.080	30.130
2.170	30.140
2.250	30.150
2.330	30.160
2.420	30.170
2.500	30.170
2.580	30.180
2.670	30.190
2.750	30.200
2.830	30.210
2.920	30.210
3.000	30.220
3.080	30.230
3.170	30.240
3.250	30.250
3.330	30.250
3.420	30.260
3.500	30.270
3.580	30.280

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3.670	30.290
3.750	30.290
3.830	30.300
3.920	30.310
4.000	30.320
4.080	30.320
4.170	30.330
4.250	30.340
4.330	30.350
4.420	30.360
4.500	30.360
4.580	30.370
4.670	30.380
4.750	30.390
4.830	30.400
4.920	30.410
5.000	30.410
5.080	30.420
5.170	30.430
5.250	30.440
5.330	30.450
5.420	30.450
5.500	30.460
5.580	30.470
5.670	30.480
5.750	30.490
5.830	30.490
5.920	30.500
6.000	30.510
6.080	30.520
6.170	30.520
6.250	30.530
6.330	30.540
6.420	30.550
6.500	30.560
6.580	30.570
6.670	30.580
6.750	30.590
6.830	30.590
6.920	30.600
7.000	30.610
7.080	30.620
7.170	30.630
7.250	30.640
7.330	30.650
7.420	30.660
7.500	30.670
7.580	30.680
7.670	30.690
7.750	30.700
7.830	30.710
7.920	30.720
8.000	30.730
8.080	30.740
8.170	30.750
8.250	30.760
8.330	30.770
8.420	30.780
8.500	30.790
8.580	30.800
8.670	30.810
8.750	30.830
8.830	30.840
8.920	30.850
9.000	30.870
9.080	30.880
9.170	30.890
9.250	30.910
9.330	30.920
9.420	30.930
9.500	30.950
9.580	30.960
9.670	30.980
9.750	30.990
9.830	31.010
9.920	31.030
10.000	31.040
10.080	31.060

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10.170	31.080
10.250	31.100
10.330	31.120
10.420	31.140
10.500	31.160
10.580	31.180
10.670	31.210
10.750	31.230
10.830	31.260
10.920	31.290
11.000	31.320
11.080	31.350
11.170	31.370
11.250	31.400
11.330	31.440
11.420	31.480
11.500	31.530
11.580	31.600
11.670	31.700
11.750	31.860
11.830	32.050
11.920	32.290
12.000	32.580
12.080	32.890
12.170	33.170
12.250	33.410
12.330	33.610
12.420	33.770
12.500	33.900
12.580	33.990
12.670	34.070
12.750	34.120
12.830	34.160
12.920	34.180
13.000	34.200
13.080	34.210
13.170	34.210
13.250	34.210
13.330	34.210
13.420	34.210
13.500	34.210
13.580	34.210
13.670	34.200
13.750	34.190
13.830	34.190
13.920	34.180
14.000	34.170
14.080	34.160
14.170	34.150
14.250	34.140
14.330	34.130
14.420	34.120
14.500	34.110
14.580	34.090
14.670	34.080
14.750	34.070
14.830	34.050
14.920	34.040
15.000	34.030
15.080	34.010
15.170	34.000
15.250	33.980
15.330	33.970
15.420	33.960
15.500	33.940
15.580	33.930
15.670	33.910
15.750	33.900
15.830	33.890
15.920	33.870
16.000	33.860
16.080	33.840
16.170	33.830
16.250	33.810
16.330	33.800
16.420	33.780
16.500	33.770
16.580	33.750

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16.670	33.740
16.750	33.720
16.830	33.710
16.920	33.690
17.000	33.680
17.080	33.660
17.170	33.650
17.250	33.640
17.330	33.620
17.420	33.610
17.500	33.590
17.580	33.580
17.670	33.570
17.750	33.550
17.830	33.540
17.920	33.520
18.000	33.510
18.080	33.490
18.170	33.480
18.250	33.470
18.330	33.450
18.420	33.440
18.500	33.430
18.580	33.410
18.670	33.400
18.750	33.390
18.830	33.370
18.920	33.360
19.000	33.340
19.080	33.330
19.170	33.320
19.250	33.300
19.330	33.290
19.420	33.280
19.500	33.270
19.580	33.250
19.670	33.240
19.750	33.230
19.830	33.220
19.920	33.200
20.000	33.190
20.080	33.180
20.170	33.170
20.250	33.150
20.330	33.140
20.420	33.130
20.500	33.120
20.580	33.100
20.670	33.090
20.750	33.080
20.830	33.070
20.920	33.050
21.000	33.040
21.080	33.030
21.170	33.020
21.250	33.000
21.330	32.990
21.420	32.980
21.500	32.970
21.580	32.960
21.670	32.950
21.750	32.930
21.830	32.920
21.920	32.910
22.000	32.900
22.080	32.890
22.170	32.880
22.250	32.870
22.330	32.860
22.420	32.850
22.500	32.840
22.580	32.830
22.670	32.820
22.750	32.810
22.830	32.790
22.920	32.780
23.000	32.770
23.080	32.760

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23.170	32.750
23.250	32.740
23.330	32.730
23.420	32.720
23.500	32.710
23.580	32.700
23.670	32.690
23.750	32.680
23.830	32.670
23.920	32.650
24.000	32.640
24.080	32.630
24.170	32.620
24.250	32.610
24.330	32.590
24.420	32.580
24.500	32.560
24.580	32.540
24.670	32.530
24.750	32.510
24.830	32.500
24.920	32.480
25.000	32.460
25.080	32.450
25.170	32.430
25.250	32.410
25.330	32.400
25.420	32.380
25.500	32.370
25.580	32.350
25.670	32.340
25.750	32.320
25.830	32.310
25.920	32.290
26.000	32.280
26.080	32.260
26.170	32.250
26.250	32.230
26.330	32.220
26.420	32.200
26.500	32.190
26.580	32.170
26.670	32.160
26.750	32.140
26.830	32.130
26.920	32.110
27.000	32.100
27.080	32.080
27.170	32.070
27.250	32.060
27.330	32.040
27.420	32.030
27.500	32.010
27.580	32.000
27.670	31.980
27.750	31.970
27.830	31.960
27.920	31.940
28.000	31.930
28.080	31.920
28.170	31.900
28.250	31.890
28.330	31.880
28.420	31.860
28.500	31.850
28.580	31.840
28.670	31.820
28.750	31.810
28.830	31.800
28.920	31.780
29.000	31.770
29.080	31.760
29.170	31.750
29.250	31.730
29.330	31.720
29.420	31.710
29.500	31.690
29.580	31.680

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29.670	31.670
29.750	31.660
29.830	31.640
29.920	31.630
30.000	31.620
30.080	31.610
30.170	31.600
30.250	31.580
30.330	31.570
30.420	31.560
30.500	31.550
30.580	31.540
30.670	31.520
30.750	31.510
30.830	31.500
30.920	31.490
31.000	31.480
31.080	31.460
31.170	31.450
31.250	31.440
31.330	31.430
31.420	31.420
31.500	31.410
31.580	31.400
31.670	31.390
31.750	31.370
31.830	31.360
31.920	31.350
32.000	31.340
32.080	31.330
32.170	31.320
32.250	31.310
32.330	31.300
32.420	31.290
32.500	31.280
32.580	31.270
32.670	31.260
32.750	31.240
32.830	31.230
32.920	31.220
33.000	31.210
33.080	31.200
33.170	31.190
33.250	31.180
33.330	31.170
33.420	31.160
33.500	31.150
33.580	31.150
33.670	31.140
33.750	31.130
33.830	31.120
33.920	31.110
34.000	31.100
34.080	31.090
34.170	31.080
34.250	31.070
34.330	31.060
34.420	31.050
34.500	31.050
34.580	31.040
34.670	31.030
34.750	31.020
34.830	31.010
34.920	31.000
35.000	31.000
35.080	30.990
35.170	30.980
35.250	30.970
35.330	30.960
35.420	30.960
35.500	30.950
35.580	30.940
35.670	30.930
35.750	30.920
35.830	30.920
35.920	30.910
36.000	30.900
36.080	30.900

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36.170	30.890
36.250	30.880
36.330	30.870
36.420	30.870
36.500	30.860
36.580	30.850
36.670	30.850
36.750	30.840
36.830	30.830
36.920	30.830
37.000	30.820
37.080	30.810
37.170	30.810
37.250	30.800
37.330	30.790
37.420	30.790
37.500	30.780
37.580	30.770
37.670	30.770
37.750	30.760
37.830	30.760
37.920	30.750
38.000	30.740
38.080	30.740
38.170	30.730
38.250	30.730
38.330	30.720
38.420	30.720
38.500	30.710
38.580	30.700
38.670	30.700
38.750	30.690
38.830	30.690
38.920	30.680
39.000	30.680
39.080	30.670
39.170	30.670
39.250	30.660
39.330	30.660
39.420	30.650
39.500	30.650
39.580	30.640
39.670	30.640
39.750	30.630
39.830	30.630
39.920	30.620
40.000	30.620
40.080	30.610
40.170	30.610
40.250	30.600
40.330	30.600
40.420	30.590
40.500	30.590
40.580	30.580
40.670	30.580
40.750	30.580
40.830	30.570
40.920	30.570
41.000	30.560
41.080	30.560
41.170	30.550
41.250	30.550
41.330	30.550
41.420	30.540
41.500	30.540
41.580	30.530
41.670	30.530
41.750	30.530
41.830	30.520
41.920	30.520
42.000	30.520
42.080	30.510
42.170	30.510
42.250	30.500
42.330	30.500
42.420	30.500
42.500	30.490
42.580	30.490

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42.670	30.490
42.750	30.480
42.830	30.480
42.920	30.480
43.000	30.470
43.080	30.470
43.170	30.470
43.250	30.460
43.330	30.460
43.420	30.460
43.500	30.460
43.580	30.450
43.670	30.450
43.750	30.450
43.830	30.440
43.920	30.440
44.000	30.440
44.080	30.430
44.170	30.430
44.250	30.430
44.330	30.430
44.420	30.420
44.500	30.420
44.580	30.420
44.670	30.420
44.750	30.410
44.830	30.410
44.920	30.410
45.000	30.410
45.080	30.400
45.170	30.400
45.250	30.400
45.330	30.400
45.420	30.390
45.500	30.390
45.580	30.390
45.670	30.390
45.750	30.380
45.830	30.380
45.920	30.380
46.000	30.380
46.080	30.370
46.170	30.370
46.250	30.370
46.330	30.370
46.420	30.370
46.500	30.360
46.580	30.360
46.670	30.360
46.750	30.360
46.830	30.360
46.920	30.350
47.000	30.350
47.080	30.350
47.170	30.350
47.250	30.350
47.330	30.340
47.420	30.340
47.500	30.340
47.580	30.340
47.670	30.340
47.750	30.330
47.830	30.330
47.920	30.330
48.000	30.330
48.080	30.330
48.170	30.320
48.250	30.320
48.330	30.320
48.420	30.320
48.500	30.320
48.580	30.320
48.670	30.310
48.750	30.310
48.830	30.310
48.920	30.310
49.000	30.310
49.080	30.310

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49.170	30.300
49.250	30.300
49.330	30.300
49.420	30.300
49.500	30.300
49.580	30.300
49.670	30.300
49.750	30.290
49.830	30.290
49.920	30.290
50.000	30.290
50.080	30.290
50.170	30.290
50.250	30.290
50.330	30.280
50.420	30.280
50.500	30.280
50.580	30.280
50.670	30.280
50.750	30.280
50.830	30.280
50.920	30.270
51.000	30.270
51.080	30.270
51.170	30.270
51.250	30.270
51.330	30.270
51.420	30.270
51.500	30.270
51.580	30.260
51.670	30.260
51.750	30.260
51.830	30.260
51.920	30.260
52.000	30.260
52.080	30.260
52.170	30.260
52.250	30.250
52.330	30.250
52.420	30.250
52.500	30.250
52.580	30.250
52.670	30.250
52.750	30.250
52.830	30.250
52.920	30.250
53.000	30.240
53.080	30.240
53.170	30.240
53.250	30.240
53.330	30.240
53.420	30.240
53.500	30.240
53.580	30.240
53.670	30.240
53.750	30.240
53.830	30.230
53.920	30.230
54.000	30.230
54.080	30.230
54.170	30.230
54.250	30.230
54.330	30.230
54.420	30.230
54.500	30.230
54.580	30.230
54.670	30.220
54.750	30.220
54.830	30.220
54.920	30.220
55.000	30.220
55.080	30.220
55.170	30.220
55.250	30.220
55.330	30.220
55.420	30.220
55.500	30.220
55.580	30.210

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55.670	30.210
55.750	30.210
55.830	30.210
55.920	30.210
56.000	30.210
56.080	30.210
56.170	30.210
56.250	30.210
56.330	30.210
56.420	30.210
56.500	30.210
56.580	30.200
56.670	30.200
56.750	30.200
56.830	30.200
56.920	30.200
57.000	30.200
57.080	30.200
57.170	30.200
57.250	30.200
57.330	30.200
57.420	30.200
57.500	30.200
57.580	30.200
57.670	30.200
57.750	30.190
57.830	30.190
57.920	30.190
58.000	30.190
58.080	30.190
58.170	30.190
58.250	30.190
58.330	30.190
58.420	30.190
58.500	30.190
58.580	30.190
58.670	30.190
58.750	30.190
58.830	30.190
58.920	30.180
59.000	30.180
59.080	30.180
59.170	30.180
59.250	30.180
59.330	30.180
59.420	30.180
59.500	30.180
59.580	30.180
59.670	30.180
59.750	30.180
59.830	30.180
59.920	30.180
60.000	30.180
60.080	30.180
60.170	30.180
60.250	30.180
60.330	30.170
60.420	30.170
60.500	30.170
60.580	30.170
60.670	30.170
60.750	30.170
60.830	30.170
60.920	30.170
61.000	30.170
61.080	30.170
61.170	30.170
61.250	30.170
61.330	30.170
61.420	30.170
61.500	30.170
61.580	30.170
61.670	30.170
61.750	30.170
61.830	30.160
61.920	30.160
62.000	30.160
62.080	30.160

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62.170	30.160
62.250	30.160
62.330	30.160
62.420	30.160
62.500	30.160
62.580	30.160
62.670	30.160
62.750	30.160
62.830	30.160
62.920	30.160
63.000	30.160
63.080	30.160
63.170	30.160
63.250	30.160
63.330	30.160
63.420	30.160
63.500	30.150
63.580	30.150
63.670	30.150
63.750	30.150
63.830	30.150
63.920	30.150
64.000	30.150
64.080	30.150
64.170	30.150
64.250	30.150
64.330	30.150
64.420	30.150
64.500	30.150
64.580	30.150
64.670	30.150
64.750	30.150
64.830	30.150
64.920	30.150
65.000	30.150
65.080	30.150
65.170	30.150
65.250	30.150
65.330	30.150
65.420	30.140
65.500	30.140
65.580	30.140
65.670	30.140
65.750	30.140
65.830	30.140
65.920	30.140
66.000	30.140
66.080	30.140
66.170	30.140
66.250	30.140
66.330	30.140
66.420	30.140
66.500	30.140
66.580	30.140
66.670	30.140
66.750	30.140
66.830	30.140
66.920	30.140
67.000	30.140
67.080	30.140
67.170	30.140
67.250	30.140
67.330	30.140
67.420	30.140
67.500	30.140
67.580	30.140
67.670	30.130
67.750	30.130
67.830	30.130
67.920	30.130
68.000	30.130
68.080	30.130
68.170	30.130
68.250	30.130
68.330	30.130
68.420	30.130
68.500	30.130
68.580	30.130

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68.670	30.130
68.750	30.130
68.830	30.130
68.920	30.130
69.000	30.130
69.080	30.130
69.170	30.130
69.250	30.130
69.330	30.130
69.420	30.130
69.500	30.130
69.580	30.130
69.670	30.130
69.750	30.130
69.830	30.130
69.920	30.130
70.000	30.130
70.080	30.130
70.170	30.130
70.250	30.130
70.330	30.120
70.420	30.120
70.500	30.120
70.580	30.120
70.670	30.120
70.750	30.120
70.830	30.120
70.920	30.120
71.000	30.120
71.080	30.120
71.170	30.120
71.250	30.120
71.330	30.120
71.420	30.120
71.500	30.120
71.580	30.120
71.670	30.120
71.750	30.120
71.830	30.120
71.920	30.120
72.000	30.120

Name: 2.33yr24hr Node: LAKE 3-PB tw Type: Stage

Time(hrs)	Stage(ft)
0.000	30.040
0.250	30.040
0.500	30.040
0.750	30.040
1.000	30.040
1.250	30.040
1.500	30.040
1.750	30.040
2.000	30.040
2.250	30.050
2.500	30.060
2.750	30.070
3.000	30.080
3.250	30.100
3.500	30.110
3.750	30.120
4.000	30.130
4.250	30.140
4.500	30.160
4.750	30.170
5.000	30.180
5.250	30.190
5.500	30.210
5.750	30.220
6.000	30.230
6.250	30.250
6.500	30.260
6.750	30.270
7.000	30.290
7.250	30.300
7.500	30.310

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7.750	30.330
8.000	30.340
8.250	30.360
8.500	30.370
8.750	30.390
9.000	30.410
9.250	30.430
9.500	30.450
9.750	30.470
10.000	30.490
10.250	30.520
10.500	30.550
10.750	30.580
11.000	30.620
11.250	30.660
11.500	30.720
11.750	30.870
12.000	31.230
12.250	31.640
12.500	31.880
12.750	31.990
13.000	32.030
13.250	32.040
13.500	32.030
13.750	32.030
14.000	32.020
14.250	32.000
14.500	31.990
14.750	31.970
15.000	31.960
15.250	31.940
15.500	31.920
15.750	31.900
16.000	31.880
16.250	31.860
16.500	31.840
16.750	31.810
17.000	31.790
17.250	31.770
17.500	31.750
17.750	31.730
18.000	31.710
18.250	31.690
18.500	31.670
18.750	31.640
19.000	31.620
19.250	31.600
19.500	31.580
19.750	31.560
20.000	31.540
20.250	31.520
20.500	31.500
20.750	31.480
21.000	31.450
21.250	31.430
21.500	31.410
21.750	31.390
22.000	31.370
22.250	31.350
22.500	31.330
22.750	31.310
23.000	31.290
23.250	31.270
23.500	31.250
23.750	31.230
24.000	31.210
24.250	31.190
24.500	31.160
24.750	31.130
25.000	31.110
25.250	31.080
25.500	31.050
25.750	31.030
26.000	31.000
26.250	30.980
26.500	30.950
26.750	30.930
27.000	30.910

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27.250	30.890
27.500	30.870
27.750	30.840
28.000	30.820
28.250	30.810
28.500	30.790
28.750	30.770
29.000	30.750
29.250	30.730
29.500	30.710
29.750	30.700
30.000	30.680
30.250	30.670
30.500	30.650
30.750	30.640
31.000	30.620
31.250	30.610
31.500	30.590
31.750	30.580
32.000	30.570
32.250	30.550
32.500	30.540
32.750	30.530
33.000	30.520
33.250	30.510
33.500	30.500
33.750	30.490
34.000	30.480
34.250	30.470
34.500	30.460
34.750	30.450
35.000	30.440
35.250	30.430
35.500	30.420
35.750	30.410
36.000	30.410
36.250	30.400
36.500	30.390
36.750	30.390
37.000	30.380
37.250	30.370
37.500	30.370
37.750	30.360
38.000	30.350
38.250	30.350
38.500	30.340
38.750	30.340
39.000	30.330
39.250	30.320
39.500	30.320
39.750	30.310
40.000	30.310
40.250	30.300
40.500	30.300
40.750	30.300
41.000	30.290
41.250	30.290
41.500	30.280
41.750	30.280
42.000	30.270
42.250	30.270
42.500	30.270
42.750	30.260
43.000	30.260
43.250	30.260
43.500	30.250
43.750	30.250
44.000	30.250
44.250	30.240
44.500	30.240
44.750	30.240
45.000	30.230
45.250	30.230
45.500	30.230
45.750	30.220
46.000	30.220
46.250	30.220
46.500	30.220

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46.750	30.210
47.000	30.210
47.250	30.210
47.500	30.210
47.750	30.200
48.000	30.200
48.250	30.200
48.500	30.200
48.750	30.200
49.000	30.190
49.250	30.190
49.500	30.190
49.750	30.190
50.000	30.180
50.250	30.180
50.500	30.180
50.750	30.180
51.000	30.180
51.250	30.180
51.500	30.170
51.750	30.170
52.000	30.170
52.250	30.170
52.500	30.170
52.750	30.170
53.000	30.160
53.250	30.160
53.500	30.160
53.750	30.160
54.000	30.160
54.250	30.160
54.500	30.160
54.750	30.150
55.000	30.150
55.250	30.150
55.500	30.150
55.750	30.150
56.000	30.150
56.250	30.150
56.500	30.140
56.750	30.140
57.000	30.140
57.250	30.140
57.500	30.140
57.750	30.140
58.000	30.140
58.250	30.140
58.500	30.140
58.750	30.130
59.000	30.130
59.250	30.130
59.500	30.130
59.750	30.130
60.000	30.130
60.250	30.130
60.500	30.130
60.750	30.130
61.000	30.130
61.250	30.130
61.500	30.120
61.750	30.120
62.000	30.120
62.250	30.120
62.500	30.120
62.750	30.120
63.000	30.120
63.250	30.120
63.500	30.120
63.750	30.120
64.000	30.120
64.250	30.120
64.500	30.110
64.750	30.110
65.000	30.110
65.250	30.110
65.500	30.110
65.750	30.110
66.000	30.110

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66.250	30.110
66.500	30.110
66.750	30.110
67.000	30.110
67.250	30.110
67.500	30.110
67.750	30.110
68.000	30.110
68.250	30.110
68.500	30.100
68.750	30.100
69.000	30.100
69.250	30.100
69.500	30.100
69.750	30.100
70.000	30.100
70.250	30.100
70.500	30.100
70.750	30.100
71.000	30.100
71.250	30.100
71.500	30.100
71.750	30.100
72.000	30.100
72.250	30.100
72.500	30.100
72.750	30.100
73.000	30.100
73.250	30.090
73.500	30.090
73.750	30.090
74.000	30.090
74.250	30.090
74.500	30.090
74.750	30.090
75.000	30.090
75.250	30.090
75.500	30.090
75.750	30.090
76.000	30.090
76.250	30.090
76.500	30.090
76.750	30.090
77.000	30.090
77.250	30.090
77.500	30.090
77.750	30.090
78.000	30.090
78.250	30.090
78.500	30.090
78.750	30.090
79.000	30.090
79.250	30.090
79.500	30.080
79.750	30.080
80.000	30.080
80.250	30.080
80.500	30.080
80.750	30.080
81.000	30.080
81.250	30.080
81.500	30.080
81.750	30.080
82.000	30.080
82.250	30.080
82.500	30.080
82.750	30.080
83.000	30.080
83.250	30.080
83.500	30.080
83.750	30.080
84.000	30.080
84.250	30.080
84.500	30.080
84.750	30.080
85.000	30.080
85.250	30.080
85.500	30.080

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85.750	30.080
86.000	30.080
86.250	30.080
86.500	30.080
86.750	30.080
87.000	30.080
87.250	30.080
87.500	30.080
87.750	30.080
88.000	30.080
88.250	30.070
88.500	30.070
88.750	30.070
89.000	30.070
89.250	30.070
89.500	30.070
89.750	30.070
90.000	30.070
90.250	30.070
90.500	30.070
90.750	30.070
91.000	30.070
91.250	30.070
91.500	30.070
91.750	30.070
92.000	30.070
92.250	30.070
92.500	30.070
92.750	30.070
93.000	30.070
93.250	30.070
93.500	30.070
93.750	30.070
94.000	30.070
94.250	30.070
94.500	30.070
94.750	30.070
95.000	30.070
95.250	30.070
95.500	30.070
95.750	30.070
96.000	30.070

Name: 2.33yr24hr Node: MH-1-PB-tw Type: Stage

Time(hrs)	Stage(ft)
0.000	30.040
0.250	29.120
0.500	29.090
0.750	29.080
1.000	29.070
1.250	29.060
1.500	29.060
1.750	29.060
2.000	29.060
2.250	29.050
2.500	29.050
2.750	29.050
3.000	29.050
3.250	29.040
3.500	29.040
3.750	29.040
4.000	29.030
4.250	29.030
4.500	29.020
4.750	29.020
5.000	29.010
5.250	29.010
5.500	29.000
5.750	29.000
6.000	29.000
6.250	28.990
6.500	28.990
6.750	28.980
7.000	28.980
7.250	28.970

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7.500	28.970
7.750	28.970
8.000	28.960
8.250	28.960
8.500	28.950
8.750	28.950
9.000	28.950
9.250	28.950
9.500	28.950
9.750	28.950
10.000	28.950
10.250	28.950
10.500	28.960
10.750	28.970
11.000	28.990
11.250	29.010
11.500	29.030
11.750	29.110
12.000	29.340
12.250	29.760
12.500	30.150
12.750	30.440
13.000	30.810
13.250	31.090
13.500	31.430
13.750	31.690
14.000	31.820
14.250	31.840
14.500	31.840
14.750	31.840
15.000	31.870
15.250	31.900
15.500	31.920
15.750	31.940
16.000	31.960
16.250	31.970
16.500	31.990
16.750	32.010
17.000	32.030
17.250	32.050
17.500	32.060
17.750	32.070
18.000	32.080
18.250	32.090
18.500	32.100
18.750	32.100
19.000	32.110
19.250	32.110
19.500	32.110
19.750	32.110
20.000	32.110
20.250	32.110
20.500	32.100
20.750	32.090
21.000	32.070
21.250	32.050
21.500	32.030
21.750	31.990
22.000	31.940
22.250	31.870
22.500	31.800
22.750	31.740
23.000	31.670
23.250	31.610
23.500	31.550
23.750	31.470
24.000	31.400
24.250	31.300
24.500	31.190
24.750	31.080
25.000	30.970
25.250	30.870
25.500	30.770
25.750	30.680
26.000	30.600
26.250	30.530
26.500	30.470
26.750	30.420

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27.000	30.370
27.250	30.330
27.500	30.290
27.750	30.250
28.000	30.210
28.250	30.180
28.500	30.150
28.750	30.120
29.000	30.090
29.250	30.060
29.500	30.030
29.750	30.000
30.000	29.970
30.250	29.950
30.500	29.920
30.750	29.900
31.000	29.880
31.250	29.860
31.500	29.840
31.750	29.810
32.000	29.800
32.250	29.780
32.500	29.760
32.750	29.740
33.000	29.720
33.250	29.700
33.500	29.690
33.750	29.670
34.000	29.660
34.250	29.650
34.500	29.640
34.750	29.630
35.000	29.610
35.250	29.600
35.500	29.590
35.750	29.580
36.000	29.570
36.250	29.560
36.500	29.560
36.750	29.550
37.000	29.540
37.250	29.530
37.500	29.520
37.750	29.510
38.000	29.510
38.250	29.500
38.500	29.490
38.750	29.480
39.000	29.480
39.250	29.470
39.500	29.460
39.750	29.460
40.000	29.450
40.250	29.440
40.500	29.440
40.750	29.430
41.000	29.420
41.250	29.410
41.500	29.410
41.750	29.400
42.000	29.390
42.250	29.380
42.500	29.380
42.750	29.370
43.000	29.360
43.250	29.360
43.500	29.350
43.750	29.350
44.000	29.340
44.250	29.330
44.500	29.330
44.750	29.320
45.000	29.320
45.250	29.310
45.500	29.310
45.750	29.300
46.000	29.300
46.250	29.290

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46.500	29.290
46.750	29.280
47.000	29.280
47.250	29.270
47.500	29.270
47.750	29.270
48.000	29.260
48.250	29.260
48.500	29.250
48.750	29.250
49.000	29.240
49.250	29.240
49.500	29.240
49.750	29.230
50.000	29.230
50.250	29.220
50.500	29.220
50.750	29.220
51.000	29.210
51.250	29.210
51.500	29.210
51.750	29.200
52.000	29.200
52.250	29.200
52.500	29.190
52.750	29.190
53.000	29.190
53.250	29.180
53.500	29.180
53.750	29.180
54.000	29.170
54.250	29.170
54.500	29.170
54.750	29.170
55.000	29.160
55.250	29.160
55.500	29.160
55.750	29.150
56.000	29.150
56.250	29.150
56.500	29.150
56.750	29.140
57.000	29.140
57.250	29.140
57.500	29.140
57.750	29.130
58.000	29.130
58.250	29.130
58.500	29.120
58.750	29.120
59.000	29.120
59.250	29.120
59.500	29.120
59.750	29.110
60.000	29.110
60.250	29.110
60.500	29.110
60.750	29.100
61.000	29.100
61.250	29.100
61.500	29.100
61.750	29.090
62.000	29.090
62.250	29.090
62.500	29.090
62.750	29.090
63.000	29.080
63.250	29.080
63.500	29.080
63.750	29.080
64.000	29.070
64.250	29.070
64.500	29.070
64.750	29.070
65.000	29.070
65.250	29.070
65.500	29.060
65.750	29.060

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66.000	29.060
66.250	29.060
66.500	29.060
66.750	29.050
67.000	29.050
67.250	29.050
67.500	29.050
67.750	29.050
68.000	29.050
68.250	29.040
68.500	29.040
68.750	29.040
69.000	29.040
69.250	29.040
69.500	29.040
69.750	29.030
70.000	29.030
70.250	29.030
70.500	29.030
70.750	29.030
71.000	29.030
71.250	29.020
71.500	29.020
71.750	29.020
72.000	29.020
72.250	29.020
72.500	29.020
72.750	29.020
73.000	29.020
73.250	29.020
73.500	29.010
73.750	29.010
74.000	29.010
74.250	29.010
74.500	29.010
74.750	29.010
75.000	29.010
75.250	29.010
75.500	29.010
75.750	29.000
76.000	29.000
76.250	29.000
76.500	29.000
76.750	29.000
77.000	29.000
77.250	29.000
77.500	29.000
77.750	29.000
78.000	29.000
78.250	29.000
78.500	28.990
78.750	28.990
79.000	28.990
79.250	28.990
79.500	28.990
79.750	28.990
80.000	28.990
80.250	28.990
80.500	28.990
80.750	28.990
81.000	28.990
81.250	28.980
81.500	28.980
81.750	28.980
82.000	28.980
82.250	28.980
82.500	28.980
82.750	28.980
83.000	28.980
83.250	28.980
83.500	28.980
83.750	28.980
84.000	28.980
84.250	28.980
84.500	28.980
84.750	28.980
85.000	28.980
85.250	28.980

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85.500	28.980
85.750	28.980
86.000	28.980
86.250	28.980
86.500	28.970
86.750	28.970
87.000	28.970
87.250	28.970
87.500	28.970
87.750	28.970
88.000	28.970
88.250	28.970
88.500	28.970
88.750	28.970
89.000	28.970
89.250	28.970
89.500	28.970
89.750	28.970
90.000	28.970
90.250	28.970
90.500	28.970
90.750	28.970
91.000	28.970
91.250	28.970
91.500	28.970
91.750	28.970
92.000	28.970
92.250	28.970
92.500	28.970
92.750	28.970
93.000	28.970
93.250	28.970
93.500	28.970
93.750	28.970
94.000	28.970
94.250	28.970
94.500	28.970
94.750	28.960
95.000	28.960
95.250	28.960
95.500	28.960
95.750	28.960
96.000	28.960

Name: 2.33yr24hr Node: BOX 1-IN tw Type: Stage

Time(hrs)	Stage(ft)
0.000	30.040
0.250	30.160
0.500	30.130
0.750	30.110
1.000	30.100
1.250	30.090
1.500	30.090
1.750	30.080
2.000	30.080
2.250	30.080
2.500	30.080
2.750	30.080
3.000	30.080
3.250	30.080
3.500	30.080
3.750	30.080
4.000	30.080
4.250	30.080
4.500	30.090
4.750	30.090
5.000	30.100
5.250	30.110
5.500	30.110
5.750	30.120
6.000	30.130
6.250	30.140
6.500	30.150
6.750	30.150
7.000	30.160

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7.250	30.170
7.500	30.170
7.750	30.180
8.000	30.190
8.250	30.200
8.500	30.210
8.750	30.220
9.000	30.230
9.250	30.240
9.500	30.250
9.750	30.260
10.000	30.270
10.250	30.280
10.500	30.300
10.750	30.310
11.000	30.330
11.250	30.360
11.500	30.380
11.750	30.430
12.000	30.550
12.250	30.770
12.500	30.960
12.750	31.070
13.000	31.140
13.250	31.240
13.500	31.380
13.750	31.450
14.000	31.510
14.250	31.520
14.500	31.530
14.750	31.530
15.000	31.520
15.250	31.520
15.500	31.510
15.750	31.510
16.000	31.510
16.250	31.500
16.500	31.500
16.750	31.500
17.000	31.510
17.250	31.500
17.500	31.500
17.750	31.490
18.000	31.490
18.250	31.480
18.500	31.480
18.750	31.470
19.000	31.460
19.250	31.450
19.500	31.440
19.750	31.430
20.000	31.420
20.250	31.410
20.500	31.400
20.750	31.390
21.000	31.370
21.250	31.360
21.500	31.340
21.750	31.330
22.000	31.310
22.250	31.290
22.500	31.270
22.750	31.240
23.000	31.220
23.250	31.200
23.500	31.170
23.750	31.150
24.000	31.120
24.250	31.100
24.500	31.070
24.750	31.050
25.000	31.030
25.250	31.020
25.500	31.020
25.750	31.010
26.000	30.990
26.250	30.980
26.500	30.970

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26.750	30.950
27.000	30.940
27.250	30.920
27.500	30.910
27.750	30.890
28.000	30.880
28.250	30.860
28.500	30.840
28.750	30.830
29.000	30.810
29.250	30.800
29.500	30.780
29.750	30.770
30.000	30.760
30.250	30.740
30.500	30.730
30.750	30.720
31.000	30.700
31.250	30.690
31.500	30.680
31.750	30.670
32.000	30.660
32.250	30.650
32.500	30.640
32.750	30.630
33.000	30.620
33.250	30.610
33.500	30.600
33.750	30.590
34.000	30.580
34.250	30.580
34.500	30.570
34.750	30.560
35.000	30.560
35.250	30.550
35.500	30.550
35.750	30.540
36.000	30.540
36.250	30.530
36.500	30.530
36.750	30.530
37.000	30.520
37.250	30.520
37.500	30.510
37.750	30.510
38.000	30.500
38.250	30.500
38.500	30.500
38.750	30.490
39.000	30.490
39.250	30.490
39.500	30.480
39.750	30.480
40.000	30.480
40.250	30.470
40.500	30.470
40.750	30.470
41.000	30.460
41.250	30.460
41.500	30.460
41.750	30.450
42.000	30.450
42.250	30.440
42.500	30.440
42.750	30.440
43.000	30.430
43.250	30.430
43.500	30.430
43.750	30.420
44.000	30.420
44.250	30.420
44.500	30.410
44.750	30.410
45.000	30.410
45.250	30.410
45.500	30.400
45.750	30.400
46.000	30.400

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46.250	30.390
46.500	30.390
46.750	30.390
47.000	30.390
47.250	30.380
47.500	30.380
47.750	30.380
48.000	30.380
48.250	30.370
48.500	30.370
48.750	30.370
49.000	30.370
49.250	30.360
49.500	30.360
49.750	30.360
50.000	30.360
50.250	30.350
50.500	30.350
50.750	30.350
51.000	30.350
51.250	30.350
51.500	30.340
51.750	30.340
52.000	30.340
52.250	30.340
52.500	30.340
52.750	30.330
53.000	30.330
53.250	30.330
53.500	30.330
53.750	30.320
54.000	30.320
54.250	30.320
54.500	30.320
54.750	30.320
55.000	30.310
55.250	30.310
55.500	30.310
55.750	30.310
56.000	30.310
56.250	30.310
56.500	30.300
56.750	30.300
57.000	30.300
57.250	30.300
57.500	30.300
57.750	30.290
58.000	30.290
58.250	30.290
58.500	30.290
58.750	30.290
59.000	30.290
59.250	30.280
59.500	30.280
59.750	30.280
60.000	30.280
60.250	30.280
60.500	30.270
60.750	30.270
61.000	30.270
61.250	30.270
61.500	30.270
61.750	30.270
62.000	30.260
62.250	30.260
62.500	30.260
62.750	30.260
63.000	30.260
63.250	30.260
63.500	30.250
63.750	30.250
64.000	30.250
64.250	30.250
64.500	30.250
64.750	30.250
65.000	30.240
65.250	30.240
65.500	30.240

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65.750	30.240
66.000	30.240
66.250	30.240
66.500	30.240
66.750	30.230
67.000	30.230
67.250	30.230
67.500	30.230
67.750	30.230
68.000	30.230
68.250	30.220
68.500	30.220
68.750	30.220
69.000	30.220
69.250	30.220
69.500	30.220
69.750	30.210
70.000	30.210
70.250	30.210
70.500	30.210
70.750	30.210
71.000	30.210
71.250	30.210
71.500	30.200
71.750	30.200
72.000	30.200
72.250	30.200
72.500	30.200
72.750	30.200
73.000	30.200
73.250	30.200
73.500	30.190
73.750	30.190
74.000	30.190
74.250	30.190
74.500	30.190
74.750	30.190
75.000	30.190
75.250	30.190
75.500	30.190
75.750	30.180
76.000	30.180
76.250	30.180
76.500	30.180
76.750	30.180
77.000	30.180
77.250	30.180
77.500	30.180
77.750	30.180
78.000	30.170
78.250	30.170
78.500	30.170
78.750	30.170
79.000	30.170
79.250	30.170
79.500	30.170
79.750	30.170
80.000	30.170
80.250	30.160
80.500	30.160
80.750	30.160
81.000	30.160
81.250	30.160
81.500	30.160
81.750	30.160
82.000	30.160
82.250	30.160
82.500	30.160
82.750	30.160
83.000	30.160
83.250	30.160
83.500	30.160
83.750	30.150
84.000	30.150
84.250	30.150
84.500	30.150
84.750	30.150
85.000	30.150

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85.250	30.150
85.500	30.150
85.750	30.150
86.000	30.150
86.250	30.150
86.500	30.150
86.750	30.150
87.000	30.150
87.250	30.150
87.500	30.150
87.750	30.150
88.000	30.150
88.250	30.150
88.500	30.150
88.750	30.150
89.000	30.140
89.250	30.140
89.500	30.140
89.750	30.140
90.000	30.140
90.250	30.140
90.500	30.140
90.750	30.140
91.000	30.140
91.250	30.140
91.500	30.140
91.750	30.140
92.000	30.140
92.250	30.140
92.500	30.140
92.750	30.140
93.000	30.140
93.250	30.140
93.500	30.140
93.750	30.140
94.000	30.140
94.250	30.140
94.500	30.140
94.750	30.140
95.000	30.140
95.250	30.140
95.500	30.140
95.750	30.140
96.000	30.140

Name: 10yr25hr Node: LAKE 3-PB tw Type: Stage

Time(hrs)	Stage(ft)
0.000	30.040
0.250	30.040
0.500	30.040
0.750	30.040
1.000	30.040
1.250	30.040
1.500	30.050
1.750	30.060
2.000	30.080
2.250	30.100
2.500	30.110
2.750	30.130
3.000	30.150
3.250	30.160
3.500	30.180
3.750	30.200
4.000	30.220
4.250	30.240
4.500	30.250
4.750	30.270
5.000	30.290
5.250	30.310
5.500	30.330
5.750	30.340
6.000	30.360
6.250	30.380
6.500	30.400
6.750	30.420

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7.000	30.440
7.250	30.460
7.500	30.480
7.750	30.500
8.000	30.520
8.250	30.540
8.500	30.560
8.750	30.590
9.000	30.620
9.250	30.650
9.500	30.680
9.750	30.710
10.000	30.740
10.250	30.780
10.500	30.820
10.750	30.880
11.000	30.940
11.250	31.000
11.500	31.090
11.750	31.340
12.000	31.870
12.250	32.460
12.500	32.820
12.750	32.990
13.000	33.040
13.250	33.060
13.500	33.060
13.750	33.050
14.000	33.030
14.250	33.010
14.500	32.990
14.750	32.960
15.000	32.940
15.250	32.910
15.500	32.880
15.750	32.850
16.000	32.820
16.250	32.790
16.500	32.760
16.750	32.730
17.000	32.700
17.250	32.670
17.500	32.640
17.750	32.610
18.000	32.580
18.250	32.550
18.500	32.520
18.750	32.490
19.000	32.460
19.250	32.430
19.500	32.410
19.750	32.380
20.000	32.350
20.250	32.330
20.500	32.300
20.750	32.270
21.000	32.240
21.250	32.210
21.500	32.190
21.750	32.160
22.000	32.140
22.250	32.110
22.500	32.090
22.750	32.060
23.000	32.040
23.250	32.010
23.500	31.980
23.750	31.960
24.000	31.930

Name: 10yr25hr Node: MH-1-PB-tw Type: Stage

Time(hrs)	Stage(ft)
0.000	30.040
0.250	29.210
0.500	29.110

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0.750	29.080
1.000	29.070
1.250	29.060
1.500	29.060
1.750	29.060
2.000	29.050
2.250	29.050
2.500	29.050
2.750	29.050
3.000	29.050
3.250	29.050
3.500	29.040
3.750	29.040
4.000	29.040
4.250	29.040
4.500	29.040
4.750	29.050
5.000	29.050
5.250	29.050
5.500	29.050
5.750	29.060
6.000	29.060
6.250	29.060
6.500	29.060
6.750	29.070
7.000	29.070
7.250	29.070
7.500	29.080
7.750	29.080
8.000	29.090
8.250	29.090
8.500	29.100
8.750	29.110
9.000	29.120
9.250	29.130
9.500	29.150
9.750	29.170
10.000	29.200
10.250	29.240
10.500	29.280
10.750	29.330
11.000	29.390
11.250	29.460
11.500	29.540
11.750	29.690
12.000	30.000
12.250	30.510
12.500	31.060
12.750	31.480
13.000	31.820
13.250	32.030
13.500	32.150
13.750	32.190
14.000	32.210
14.250	32.210
14.500	32.220
14.750	32.230
15.000	32.270
15.250	32.310
15.500	32.340
15.750	32.370
16.000	32.400
16.250	32.420
16.500	32.450
16.750	32.470
17.000	32.490
17.250	32.510
17.500	32.530
17.750	32.540
18.000	32.550
18.250	32.560
18.500	32.570
18.750	32.570
19.000	32.580
19.250	32.580
19.500	32.590
19.750	32.590
20.000	32.590

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20.250	32.590
20.500	32.580
20.750	32.580
21.000	32.570
21.250	32.550
21.500	32.540
21.750	32.520
22.000	32.500
22.250	32.480
22.500	32.450
22.750	32.420
23.000	32.370
23.250	32.310
23.500	32.260
23.750	32.200
24.000	32.140

Name: 10yr25hr Node: BOX 1-IN tw Type: Stage

Time(hrs)	Stage(ft)
0.000	30.040
0.250	30.160
0.500	30.130
0.750	30.110
1.000	30.100
1.250	30.090
1.500	30.090
1.750	30.080
2.000	30.080
2.250	30.080
2.500	30.080
2.750	30.080
3.000	30.080
3.250	30.080
3.500	30.090
3.750	30.100
4.000	30.110
4.250	30.120
4.500	30.130
4.750	30.140
5.000	30.160
5.250	30.170
5.500	30.180
5.750	30.190
6.000	30.200
6.250	30.210
6.500	30.220
6.750	30.230
7.000	30.240
7.250	30.250
7.500	30.270
7.750	30.280
8.000	30.290
8.250	30.300
8.500	30.310
8.750	30.320
9.000	30.340
9.250	30.350
9.500	30.370
9.750	30.390
10.000	30.420
10.250	30.450
10.500	30.480
10.750	30.520
11.000	30.560
11.250	30.600
11.500	30.660
11.750	30.740
12.000	30.900
12.250	31.090
12.500	31.330
12.750	31.590
13.000	31.780
13.250	31.880
13.500	31.940
13.750	31.980

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14.000	32.000
14.250	32.020
14.500	32.040
14.750	32.060
15.000	32.070
15.250	32.080
15.500	32.100
15.750	32.120
16.000	32.130
16.250	32.140
16.500	32.160
16.750	32.170
17.000	32.180
17.250	32.180
17.500	32.180
17.750	32.180
18.000	32.180
18.250	32.180
18.500	32.180
18.750	32.170
19.000	32.170
19.250	32.160
19.500	32.150
19.750	32.150
20.000	32.140
20.250	32.130
20.500	32.120
20.750	32.100
21.000	32.090
21.250	32.070
21.500	32.060
21.750	32.040
22.000	32.020
22.250	32.000
22.500	31.980
22.750	31.960
23.000	31.930
23.250	31.900
23.500	31.880
23.750	31.850
24.000	31.820

Name: 100YR24HR Node: N_HH00012 Type: Stage

Time(hrs)	Stage(ft)
0.000	29.410
1.250	29.410
6.110	29.670
9.440	30.000
11.420	30.310
12.500	31.890
15.100	31.400
17.090	31.570
18.790	31.680
22.120	31.480
25.630	30.820
28.870	30.150
36.600	29.700
50.000	29.530
120.000	29.500

Name: 100YR24HR Node: N_HH00020 Type: Stage

Time(hrs)	Stage(ft)
0.000	23.000
1.130	23.490
5.030	23.820
7.550	24.520
11.710	26.210
13.600	23.310
16.740	29.810
25.180	28.900
34.870	25.950
54.260	24.160

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69.750	23.860
120.000	23.520

Name: 100YR24HR Node: N_HH02030 Type: Stage

Time(hrs)	Stage(ft)
0.000	29.580
1.180	29.580
11.150	30.260
12.650	30.990
13.160	30.940
18.560	31.670
23.640	31.190
27.730	30.110
34.750	29.780
59.670	29.680
120.000	29.600

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4. REVISED EXISTING CONDITIONS MODEL (RECM)

4A. RECM BASIN MAP

4B. RECM HYDROLOGY CALCULATIONS

4C. RECM NODE/LINK REPORT

4D. RECM ICPR INPUT REPORT

4E. RECM ICPR BASIN SUMMARY

4F. RECM ICPR NODE MAXIMUM REPORT

4G. RECM ICPR LINK MAXIMUM REPORT

```
            Basin Name: B-100
            Group Name: CORE
            Simulation: 025yr24hr
             Node Name: L-100A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 2.24
    Comp Time Inc (min): 2.24
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 16.80
       Time Shift (hrs): 0.00
              Area (ac): 9.070
   Vol of Unit Hyd (in): 1.000
           Curve Number: 92.000
               DCIA (%): 0.000

         Time Max (hrs): 12.10
         Flow Max (cfs): 33.96
     Runoff Volume (in): 7.039
    Runoff Volume (ft3): 231739


--------------------------------------------------------------------------------

            Basin Name: B-100
            Group Name: CORE
            Simulation: 100yr24hr
             Node Name: L-100A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 2.24
    Comp Time Inc (min): 2.24
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 16.80
       Time Shift (hrs): 0.00
              Area (ac): 9.070
   Vol of Unit Hyd (in): 1.000
           Curve Number: 92.000
               DCIA (%): 0.000

         Time Max (hrs): 12.10
         Flow Max (cfs): 43.01
     Runoff Volume (in): 9.021
    Runoff Volume (ft3): 297008


--------------------------------------------------------------------------------

            Basin Name: B-arena
            Group Name: CORE
            Simulation: 025yr24hr
             Node Name: LAKE 1-arena
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 1.33
    Comp Time Inc (min): 1.33
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 10.00
       Time Shift (hrs): 0.00
              Area (ac): 22.280
   Vol of Unit Hyd (in): 1.000
           Curve Number: 95.000
               DCIA (%): 0.000
```


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```
         Time Max (hrs): 12.04
         Flow Max (cfs): 105.43
      Runoff Volume (in): 7.399
     Runoff Volume (ft3): 598390


--------------------------------------------------------------------------------

             Basin Name: B-arena
             Group Name: CORE
             Simulation: 100yr24hr
              Node Name: LAKE 1-arena
             Basin Type: SCS Unit Hydrograph

         Unit Hydrograph: Uh256
           Peaking Fator: 256.0
     Spec Time Inc (min): 1.33
     Comp Time Inc (min): 1.33
           Rainfall File: Flmod
    Rainfall Amount (in): 10.000
    Storm Duration (hrs): 24.00
                  Status: Onsite
      Time of Conc (min): 10.00
        Time Shift (hrs): 0.00
                Area (ac): 22.280
    Vol of Unit Hyd (in): 1.000
            Curve Number: 95.000
                DCIA (%): 0.000

         Time Max (hrs): 12.04
         Flow Max (cfs): 132.48
      Runoff Volume (in): 9.392
     Runoff Volume (ft3): 759578


--------------------------------------------------------------------------------

             Basin Name: B-DOT 7
             Group Name: CORE
             Simulation: 025yr24hr
              Node Name: DOT Pond 7
             Basin Type: SCS Unit Hydrograph

         Unit Hydrograph: Uh256
           Peaking Fator: 256.0
     Spec Time Inc (min): 4.68
     Comp Time Inc (min): 4.68
           Rainfall File: Flmod
    Rainfall Amount (in): 8.000
    Storm Duration (hrs): 24.00
                  Status: Onsite
      Time of Conc (min): 35.11
        Time Shift (hrs): 0.00
                Area (ac): 16.680
    Vol of Unit Hyd (in): 1.000
            Curve Number: 90.280
                DCIA (%): 0.000

         Time Max (hrs): 12.33
         Flow Max (cfs): 42.12
      Runoff Volume (in): 6.833
     Runoff Volume (ft3): 413716


--------------------------------------------------------------------------------

             Basin Name: B-DOT 7
             Group Name: CORE
             Simulation: 100yr24hr
              Node Name: DOT Pond 7
             Basin Type: SCS Unit Hydrograph

         Unit Hydrograph: Uh256
           Peaking Fator: 256.0
     Spec Time Inc (min): 4.68
     Comp Time Inc (min): 4.68
           Rainfall File: Flmod
```


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```
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 35.11
       Time Shift (hrs): 0.00
              Area (ac): 16.680
   Vol of Unit Hyd (in): 1.000
          Curve Number: 90.280
              DCIA (%): 0.000

         Time Max (hrs): 12.33
         Flow Max (cfs): 53.68
    Runoff Volume (in): 8.807
   Runoff Volume (ft3): 533256


--------------------------------------------------------------------------------

             Basin Name: B08-BR
             Group Name: CORE
             Simulation: 025yr24hr
              Node Name: N05-BR
             Basin Type: SCS Unit Hydrograph

         Unit Hydrograph: Uh256
           Peaking Fator: 256.0
    Spec Time Inc (min): 4.00
    Comp Time Inc (min): 4.00
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 30.00
       Time Shift (hrs): 0.00
              Area (ac): 5.500
   Vol of Unit Hyd (in): 1.000
          Curve Number: 78.000
              DCIA (%): 0.000

         Time Max (hrs): 12.27
         Flow Max (cfs): 12.38
    Runoff Volume (in): 5.389
   Runoff Volume (ft3): 107595


--------------------------------------------------------------------------------

             Basin Name: B08-BR
             Group Name: CORE
             Simulation: 100yr24hr
              Node Name: N05-BR
             Basin Type: SCS Unit Hydrograph

         Unit Hydrograph: Uh256
           Peaking Fator: 256.0
    Spec Time Inc (min): 4.00
    Comp Time Inc (min): 4.00
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 30.00
       Time Shift (hrs): 0.00
              Area (ac): 5.500
   Vol of Unit Hyd (in): 1.000
          Curve Number: 78.000
              DCIA (%): 0.000

         Time Max (hrs): 12.27
         Flow Max (cfs): 16.61
    Runoff Volume (in): 7.262
   Runoff Volume (ft3): 144986


--------------------------------------------------------------------------------

             Basin Name: B10-BR
             Group Name: CORE
```


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```
            Simulation: 025yr24hr
             Node Name: NW-W23A W23B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
   Spec Time Inc (min): 9.20
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.000
  Storm Duration (hrs): 24.00
                Status: Onsite
    Time of Conc (min): 69.00
      Time Shift (hrs): 0.00
             Area (ac): 14.380
  Vol of Unit Hyd (in): 1.000
          Curve Number: 79.000
              DCIA (%): 0.000

       Time Max (hrs): 12.75
       Flow Max (cfs): 19.82
    Runoff Volume (in): 5.505
   Runoff Volume (ft3): 287337


--------------------------------------------------------------------------------

            Basin Name: B10-BR
            Group Name: CORE
            Simulation: 100yr24hr
             Node Name: NW-W23A W23B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
   Spec Time Inc (min): 9.20
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.000
  Storm Duration (hrs): 24.00
                Status: Onsite
    Time of Conc (min): 69.00
      Time Shift (hrs): 0.00
             Area (ac): 14.380
  Vol of Unit Hyd (in): 1.000
          Curve Number: 79.000
              DCIA (%): 0.000

       Time Max (hrs): 12.75
       Flow Max (cfs): 26.55
    Runoff Volume (in): 7.388
   Runoff Volume (ft3): 385669


--------------------------------------------------------------------------------

            Basin Name: B11-BR
            Group Name: CORE
            Simulation: 025yr24hr
             Node Name: NW-W24
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
   Spec Time Inc (min): 2.80
   Comp Time Inc (min): 2.80
         Rainfall File: Flmod
  Rainfall Amount (in): 8.000
  Storm Duration (hrs): 24.00
                Status: Onsite
    Time of Conc (min): 21.00
      Time Shift (hrs): 0.00
             Area (ac): 8.390
  Vol of Unit Hyd (in): 1.000
          Curve Number: 75.000
              DCIA (%): 0.000

       Time Max (hrs): 12.18
```


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```
        Flow Max (cfs): 21.25
     Runoff Volume (in): 5.039
    Runoff Volume (ft3): 153466


--------------------------------------------------------------------------------

            Basin Name: B11-BR
            Group Name: CORE
            Simulation: 100yr24hr
             Node Name: NW-W24
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 2.80
    Comp Time Inc (min): 2.80
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 21.00
       Time Shift (hrs): 0.00
              Area (ac): 8.390
   Vol of Unit Hyd (in): 1.000
           Curve Number: 75.000
               DCIA (%): 0.000

         Time Max (hrs): 12.13
        Flow Max (cfs): 28.94
     Runoff Volume (in): 6.874
    Runoff Volume (ft3): 209341


--------------------------------------------------------------------------------

            Basin Name: B11-WS
            Group Name: CORE
            Simulation: 025yr24hr
             Node Name: NW-W23A W23B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 6.53
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 49.00
       Time Shift (hrs): 0.00
              Area (ac): 19.360
   Vol of Unit Hyd (in): 1.000
           Curve Number: 80.000
               DCIA (%): 0.000

         Time Max (hrs): 12.50
        Flow Max (cfs): 34.09
     Runoff Volume (in): 5.619
    Runoff Volume (ft3): 394866


--------------------------------------------------------------------------------

            Basin Name: B11-WS
            Group Name: CORE
            Simulation: 100yr24hr
             Node Name: NW-W23A W23B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 6.53
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
```


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```
                Status: Onsite
     Time of Conc (min): 49.00
       Time Shift (hrs): 0.00
              Area (ac): 19.360
   Vol of Unit Hyd (in): 1.000
          Curve Number: 80.000
              DCIA (%): 0.000

         Time Max (hrs): 12.50
         Flow Max (cfs): 45.37
     Runoff Volume (in): 7.512
    Runoff Volume (ft3): 527950


--------------------------------------------------------------------------------

             Basin Name: B12-BR
             Group Name: CORE
             Simulation: 025yr24hr
              Node Name: N_WS07010
             Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 5.33
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                Status: Onsite
     Time of Conc (min): 40.00
       Time Shift (hrs): 0.00
              Area (ac): 10.310
   Vol of Unit Hyd (in): 1.000
          Curve Number: 78.000
              DCIA (%): 0.000

         Time Max (hrs): 12.42
         Flow Max (cfs): 19.65
     Runoff Volume (in): 5.380
    Runoff Volume (ft3): 201338


--------------------------------------------------------------------------------

             Basin Name: B12-BR
             Group Name: CORE
             Simulation: 100yr24hr
              Node Name: N_WS07010
             Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 5.33
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                Status: Onsite
     Time of Conc (min): 40.00
       Time Shift (hrs): 0.00
              Area (ac): 10.310
   Vol of Unit Hyd (in): 1.000
          Curve Number: 78.000
              DCIA (%): 0.000

         Time Max (hrs): 12.42
         Flow Max (cfs): 26.36
     Runoff Volume (in): 7.249
    Runoff Volume (ft3): 271304


--------------------------------------------------------------------------------

             Basin Name: B13-WS
             Group Name: CORE
             Simulation: 025yr24hr
              Node Name: N_WS07010
```


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```
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 7.73
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 58.00
       Time Shift (hrs): 0.00
              Area (ac): 70.080
   Vol of Unit Hyd (in): 1.000
           Curve Number: 71.000
               DCIA (%): 0.000

         Time Max (hrs): 12.67
         Flow Max (cfs): 89.57
     Runoff Volume (in): 4.575
    Runoff Volume (ft3): 1163940


--------------------------------------------------------------------------------

            Basin Name: B13-WS
            Group Name: CORE
            Simulation: 100yr24hr
             Node Name: N_WS07010
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 7.73
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 58.00
       Time Shift (hrs): 0.00
              Area (ac): 70.080
   Vol of Unit Hyd (in): 1.000
           Curve Number: 71.000
               DCIA (%): 0.000

         Time Max (hrs): 12.67
         Flow Max (cfs): 124.96
     Runoff Volume (in): 6.351
    Runoff Volume (ft3): 1615565


--------------------------------------------------------------------------------

            Basin Name: B15-WS
            Group Name: CORE
            Simulation: 025yr24hr
             Node Name: N_HH09020
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 9.07
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 68.00
       Time Shift (hrs): 0.00
              Area (ac): 5.300
   Vol of Unit Hyd (in): 1.000
           Curve Number: 78.000
               DCIA (%): 0.000

         Time Max (hrs): 12.75
         Flow Max (cfs): 7.22
     Runoff Volume (in): 5.389
```


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```
    Runoff Volume (ft3): 103673


--------------------------------------------------------------------------------

            Basin Name: B15-WS
            Group Name: CORE
            Simulation: 100yr24hr
             Node Name: N_HH09020
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 9.07
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 68.00
       Time Shift (hrs): 0.00
              Area (ac): 5.300
   Vol of Unit Hyd (in): 1.000
           Curve Number: 78.000
               DCIA (%): 0.000

         Time Max (hrs): 12.75
         Flow Max (cfs): 9.72
     Runoff Volume (in): 7.261
    Runoff Volume (ft3): 139700


--------------------------------------------------------------------------------

            Basin Name: DITCH 1
            Group Name: CORE
            Simulation: 025yr24hr
             Node Name: BOX 2-IN
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 1.33
    Comp Time Inc (min): 1.33
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 10.00
       Time Shift (hrs): 0.00
              Area (ac): 0.710
   Vol of Unit Hyd (in): 1.000
           Curve Number: 78.000
               DCIA (%): 15.500

         Time Max (hrs): 12.04
         Flow Max (cfs): 2.80
     Runoff Volume (in): 5.778
    Runoff Volume (ft3): 14892


--------------------------------------------------------------------------------

            Basin Name: DITCH 1
            Group Name: CORE
            Simulation: 100yr24hr
             Node Name: BOX 2-IN
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 1.33
    Comp Time Inc (min): 1.33
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 10.00
```


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```
       Time Shift (hrs): 0.00
             Area (ac): 0.710
   Vol of Unit Hyd (in): 1.000
           Curve Number: 78.000
               DCIA (%): 15.500

         Time Max (hrs): 12.04
         Flow Max (cfs): 3.69
     Runoff Volume (in): 7.670
    Runoff Volume (ft3): 19769


--------------------------------------------------------------------------------

             Basin Name: DITCH 2
             Group Name: CORE
             Simulation: 025yr24hr
              Node Name: SR-70
             Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 1.33
    Comp Time Inc (min): 1.33
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 10.00
       Time Shift (hrs): 0.00
             Area (ac): 1.050
   Vol of Unit Hyd (in): 1.000
           Curve Number: 78.000
               DCIA (%): 19.000

         Time Max (hrs): 12.04
         Flow Max (cfs): 4.18
     Runoff Volume (in): 5.866
    Runoff Volume (ft3): 22357


--------------------------------------------------------------------------------

             Basin Name: DITCH 2
             Group Name: CORE
             Simulation: 100yr24hr
              Node Name: SR-70
             Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 1.33
    Comp Time Inc (min): 1.33
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 10.00
       Time Shift (hrs): 0.00
             Area (ac): 1.050
   Vol of Unit Hyd (in): 1.000
           Curve Number: 78.000
               DCIA (%): 19.000

         Time Max (hrs): 12.04
         Flow Max (cfs): 5.49
     Runoff Volume (in): 7.763
    Runoff Volume (ft3): 29587


--------------------------------------------------------------------------------

             Basin Name: NW-W22
             Group Name: CORE
             Simulation: 025yr24hr
              Node Name: NW-W22
             Basin Type: SCS Unit Hydrograph
```


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```
        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 2.67
    Comp Time Inc (min): 2.67
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 20.00
       Time Shift (hrs): 0.00
              Area (ac): 14.030
   Vol of Unit Hyd (in): 1.000
           Curve Number: 73.000
                DCIA (%): 0.000

         Time Max (hrs): 12.13
         Flow Max (cfs): 34.87
     Runoff Volume (in): 4.808
    Runoff Volume (ft3): 244881


--------------------------------------------------------------------------------

              Basin Name: NW-W22
              Group Name: CORE
              Simulation: 100yr24hr
               Node Name: NW-W22
              Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 2.67
    Comp Time Inc (min): 2.67
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 20.00
       Time Shift (hrs): 0.00
              Area (ac): 14.030
   Vol of Unit Hyd (in): 1.000
           Curve Number: 73.000
                DCIA (%): 0.000

         Time Max (hrs): 12.13
         Flow Max (cfs): 48.01
     Runoff Volume (in): 6.615
    Runoff Volume (ft3): 336896


--------------------------------------------------------------------------------

              Basin Name: NW-W28A
              Group Name: CORE
              Simulation: 025yr24hr
               Node Name: NW-W28A
              Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 2.67
    Comp Time Inc (min): 2.67
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 20.00
       Time Shift (hrs): 0.00
              Area (ac): 4.310
   Vol of Unit Hyd (in): 1.000
           Curve Number: 90.000
                DCIA (%): 0.000

         Time Max (hrs): 12.13
         Flow Max (cfs): 14.60
     Runoff Volume (in): 6.803
    Runoff Volume (ft3): 106439
```


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```
--------------------------------------------------------------------------------

            Basin Name: NW-W28A
            Group Name: CORE
            Simulation: 100yr24hr
             Node Name: NW-W28A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 2.67
    Comp Time Inc (min): 2.67
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 20.00
       Time Shift (hrs): 0.00
              Area (ac): 4.310
   Vol of Unit Hyd (in): 1.000
           Curve Number: 90.000
               DCIA (%): 0.000

         Time Max (hrs): 12.13
         Flow Max (cfs): 18.61
     Runoff Volume (in): 8.777
    Runoff Volume (ft3): 137320


--------------------------------------------------------------------------------

            Basin Name: NW-W28B
            Group Name: CORE
            Simulation: 025yr24hr
             Node Name: NW-W28b
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 3.33
    Comp Time Inc (min): 3.33
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 25.00
       Time Shift (hrs): 0.00
              Area (ac): 6.430
   Vol of Unit Hyd (in): 1.000
           Curve Number: 90.000
               DCIA (%): 0.000

         Time Max (hrs): 12.17
         Flow Max (cfs): 19.42
     Runoff Volume (in): 6.803
    Runoff Volume (ft3): 158794


--------------------------------------------------------------------------------

            Basin Name: NW-W28B
            Group Name: CORE
            Simulation: 100yr24hr
             Node Name: NW-W28b
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 3.33
    Comp Time Inc (min): 3.33
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 25.00
       Time Shift (hrs): 0.00
              Area (ac): 6.430
```


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```
   Vol of Unit Hyd (in): 1.000
           Curve Number: 90.000
               DCIA (%): 0.000

         Time Max (hrs): 12.17
         Flow Max (cfs): 24.78
    Runoff Volume (in): 8.777
   Runoff Volume (ft3): 204865


--------------------------------------------------------------------------------

              Basin Name: Post-10
              Group Name: CORE
              Simulation: 025yr24hr
               Node Name: CORE Lake-10
              Basin Type: SCS Unit Hydrograph

          Unit Hydrograph: Uh256
            Peaking Fator: 256.0
   Spec Time Inc (min): 1.33
   Comp Time Inc (min): 1.33
         Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 10.00
       Time Shift (hrs): 0.00
              Area (ac): 10.130
   Vol of Unit Hyd (in): 1.000
           Curve Number: 93.000
               DCIA (%): 0.000

         Time Max (hrs): 12.04
         Flow Max (cfs): 47.27
    Runoff Volume (in): 7.160
   Runoff Volume (ft3): 263295


--------------------------------------------------------------------------------

              Basin Name: Post-10
              Group Name: CORE
              Simulation: 100yr24hr
               Node Name: CORE Lake-10
              Basin Type: SCS Unit Hydrograph

          Unit Hydrograph: Uh256
            Peaking Fator: 256.0
   Spec Time Inc (min): 1.33
   Comp Time Inc (min): 1.33
         Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 10.00
       Time Shift (hrs): 0.00
              Area (ac): 10.130
   Vol of Unit Hyd (in): 1.000
           Curve Number: 93.000
               DCIA (%): 0.000

         Time Max (hrs): 12.04
         Flow Max (cfs): 59.66
    Runoff Volume (in): 9.147
   Runoff Volume (ft3): 336357


--------------------------------------------------------------------------------

              Basin Name: Post-5
              Group Name: CORE
              Simulation: 025yr24hr
               Node Name: Lake 5
              Basin Type: SCS Unit Hydrograph

          Unit Hydrograph: Uh256
            Peaking Fator: 256.0
```


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```
    Spec Time Inc (min): 1.33
    Comp Time Inc (min): 1.33
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 10.00
       Time Shift (hrs): 0.00
              Area (ac): 9.930
   Vol of Unit Hyd (in): 1.000
           Curve Number: 90.000
               DCIA (%): 0.000

         Time Max (hrs): 12.04
         Flow Max (cfs): 45.07
     Runoff Volume (in): 6.803
    Runoff Volume (ft3): 245230


--------------------------------------------------------------------------------

             Basin Name: Post-5
             Group Name: CORE
             Simulation: 100yr24hr
              Node Name: Lake 5
             Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 1.33
    Comp Time Inc (min): 1.33
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 10.00
       Time Shift (hrs): 0.00
              Area (ac): 9.930
   Vol of Unit Hyd (in): 1.000
           Curve Number: 90.000
               DCIA (%): 0.000

         Time Max (hrs): 12.04
         Flow Max (cfs): 57.36
     Runoff Volume (in): 8.777
    Runoff Volume (ft3): 316378


--------------------------------------------------------------------------------

             Basin Name: Post-7
             Group Name: CORE
             Simulation: 025yr24hr
              Node Name: Lake-7
             Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 2.00
    Comp Time Inc (min): 2.00
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 15.00
       Time Shift (hrs): 0.00
              Area (ac): 20.710
   Vol of Unit Hyd (in): 1.000
           Curve Number: 93.000
               DCIA (%): 0.000

         Time Max (hrs): 12.10
         Flow Max (cfs): 82.25
     Runoff Volume (in): 7.160
    Runoff Volume (ft3): 538286


--------------------------------------------------------------------------------
```


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```
            Basin Name: Post-7
            Group Name: CORE
            Simulation: 100yr24hr
             Node Name: Lake-7
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 2.00
    Comp Time Inc (min): 2.00
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 15.00
       Time Shift (hrs): 0.00
              Area (ac): 20.710
   Vol of Unit Hyd (in): 1.000
           Curve Number: 93.000
               DCIA (%): 0.000

         Time Max (hrs): 12.10
         Flow Max (cfs): 103.85
     Runoff Volume (in): 9.147
    Runoff Volume (ft3): 687656


--------------------------------------------------------------------------------

            Basin Name: Post-8
            Group Name: CORE
            Simulation: 025yr24hr
             Node Name: CORE Lake-8
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 1.33
    Comp Time Inc (min): 1.33
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 10.00
       Time Shift (hrs): 0.00
              Area (ac): 2.350
   Vol of Unit Hyd (in): 1.000
           Curve Number: 93.000
               DCIA (%): 0.000

         Time Max (hrs): 12.04
         Flow Max (cfs): 10.97
     Runoff Volume (in): 7.160
    Runoff Volume (ft3): 61080


--------------------------------------------------------------------------------

            Basin Name: Post-8
            Group Name: CORE
            Simulation: 100yr24hr
             Node Name: CORE Lake-8
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 1.33
    Comp Time Inc (min): 1.33
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 10.00
       Time Shift (hrs): 0.00
              Area (ac): 2.350
   Vol of Unit Hyd (in): 1.000
           Curve Number: 93.000
```


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```
              DCIA (%): 0.000

         Time Max (hrs): 12.04
         Flow Max (cfs): 13.84
     Runoff Volume (in): 9.147
    Runoff Volume (ft3): 78030


--------------------------------------------------------------------------------

             Basin Name: Post-9
             Group Name: CORE
             Simulation: 025yr24hr
              Node Name: CORE Lake-9
             Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 2.00
    Comp Time Inc (min): 2.00
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 15.00
       Time Shift (hrs): 0.00
              Area (ac): 7.160
   Vol of Unit Hyd (in): 1.000
           Curve Number: 93.000
                DCIA (%): 0.000

         Time Max (hrs): 12.10
         Flow Max (cfs): 28.44
     Runoff Volume (in): 7.160
    Runoff Volume (ft3): 186100


--------------------------------------------------------------------------------

             Basin Name: Post-9
             Group Name: CORE
             Simulation: 100yr24hr
              Node Name: CORE Lake-9
             Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 2.00
    Comp Time Inc (min): 2.00
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 15.00
       Time Shift (hrs): 0.00
              Area (ac): 7.160
   Vol of Unit Hyd (in): 1.000
           Curve Number: 93.000
                DCIA (%): 0.000

         Time Max (hrs): 12.10
         Flow Max (cfs): 35.90
     Runoff Volume (in): 9.147
    Runoff Volume (ft3): 237741


--------------------------------------------------------------------------------

             Basin Name: S_HH00010
             Group Name: CORE
             Simulation: 025yr24hr
              Node Name: N_HH00010
             Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 4.31
    Comp Time Inc (min): 4.31
```


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```
         Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 32.32
       Time Shift (hrs): 0.00
              Area (ac): 8.810
   Vol of Unit Hyd (in): 1.000
          Curve Number: 89.990
              DCIA (%): 3.970

        Time Max (hrs): 12.28
        Flow Max (cfs): 23.28
     Runoff Volume (in): 6.845
    Runoff Volume (ft3): 218894


--------------------------------------------------------------------------------

             Basin Name: S_HH00010
             Group Name: CORE
             Simulation: 100yr24hr
              Node Name: N_HH00010
             Basin Type: SCS Unit Hydrograph

       Unit Hydrograph: Uh256
         Peaking Fator: 256.0
    Spec Time Inc (min): 4.31
    Comp Time Inc (min): 4.31
         Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 32.32
       Time Shift (hrs): 0.00
              Area (ac): 8.810
   Vol of Unit Hyd (in): 1.000
          Curve Number: 89.990
              DCIA (%): 3.970

        Time Max (hrs): 12.28
        Flow Max (cfs): 29.67
     Runoff Volume (in): 8.819
    Runoff Volume (ft3): 282041
```


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4. REVISED EXISTING CONDITIONS MODEL (RECM)

4A. RECM BASIN MAP

4B. RECM HYDROLOGY CALCULATIONS

4C. RECM NODE/LINK REPORT

4D. RECM ICPR INPUT REPORT

4E. RECM ICPR BASIN SUMMARY

4F. RECM ICPR NODE MAXIMUM REPORT

4G. RECM ICPR LINK MAXIMUM REPORT

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	Max Outflow cfs
100-10	Tavistock	100yr24hr	12.11	35.27	0.00	-0.0025	127	12.08	16.11	12.09	16.02
100-10	Tavistock	10yr24hr	12.17	34.02	0.00	-0.0026	127	12.03	10.93	12.03	10.87
100-10	Tavistock	2.33yr24hr	12.36	33.31	0.00	-0.0025	127	12.05	6.90	12.06	6.86
100-10	Tavistock	25yr24hr	12.11	34.37	0.00	0.0017	127	12.03	12.53	12.04	12.47
100-11	Tavistock	100yr24hr	12.11	35.30	0.00	-0.0014	114	12.00	1.81	12.08	1.70
100-11	Tavistock	10yr24hr	12.16	34.03	0.00	-0.0013	114	12.00	1.26	12.04	1.16
100-11	Tavistock	2.33yr24hr	12.36	33.31	0.00	-0.0013	114	12.00	0.79	12.05	0.75
100-11	Tavistock	25yr24hr	12.11	34.38	0.00	0.0007	114	12.00	1.44	12.05	1.33
100-12	Tavistock	100yr24hr	12.10	36.01	0.00	0.0016	125	12.08	13.71	12.09	13.62
100-12	Tavistock	10yr24hr	12.07	34.34	0.00	0.0016	125	12.02	9.31	12.03	9.23
100-12	Tavistock	2.33yr24hr	12.11	33.39	0.00	0.0016	125	12.05	5.85	12.05	5.81
100-12	Tavistock	25yr24hr	12.07	34.79	0.00	0.0014	125	12.02	10.69	12.03	10.60
100-13	Tavistock	100yr24hr	12.10	36.77	0.00	0.0017	120	12.05	13.82	12.08	13.71
100-13	Tavistock	10yr24hr	12.05	34.68	0.00	-0.0014	120	12.01	9.44	12.02	9.31
100-13	Tavistock	2.33yr24hr	12.10	33.52	0.00	-0.0014	120	12.03	5.89	12.05	5.85
100-13	Tavistock	25yr24hr	12.05	35.25	0.00	0.0017	120	12.01	10.85	12.02	10.69
100-14	Tavistock	100yr24hr	12.09	37.54	0.00	0.0021	114	12.00	9.94	12.07	9.72
100-14	Tavistock	10yr24hr	12.04	35.03	0.00	0.0013	114	12.00	6.83	12.01	6.62
100-14	Tavistock	2.33yr24hr	12.09	33.66	0.00	0.0013	114	12.00	4.20	12.04	4.15
100-14	Tavistock	25yr24hr	12.05	35.71	0.00	0.0014	114	12.00	7.87	12.01	7.61
100-2	Tavistock	100yr24hr	12.10	35.58	0.00	-0.0074	142	12.08	34.29	12.08	34.19
100-2	Tavistock	10yr24hr	12.09	34.18	0.00	-0.0072	142	12.02	23.68	12.03	23.62
100-2	Tavistock	2.33yr24hr	12.12	33.39	0.00	-0.0071	142	12.05	16.24	12.05	16.23
100-2	Tavistock	25yr24hr	12.08	34.56	0.00	-0.0053	142	12.03	26.91	12.03	26.83
100-3	Tavistock	100yr24hr	12.09	36.09	0.00	0.0021	119	12.00	5.23	12.07	5.07
100-3	Tavistock	10yr24hr	12.06	34.40	0.00	0.0018	119	12.00	3.59	12.02	3.46
100-3	Tavistock	2.33yr24hr	12.10	33.47	0.00	-0.0010	119	12.00	2.21	12.05	2.16
100-3	Tavistock	25yr24hr	12.06	34.86	0.00	0.0020	119	12.00	4.14	12.02	3.97
100-4	Tavistock	100yr24hr	12.10	35.92	0.00	0.0124	138	12.08	20.79	12.09	20.65
100-4	Tavistock	10yr24hr	12.07	34.34	0.00	-0.0074	138	12.03	14.61	12.04	14.34
100-4	Tavistock	2.33yr24hr	12.11	33.47	0.00	-0.0104	138	12.05	10.97	12.05	10.26
100-4	Tavistock	25yr24hr	12.07	34.77	0.00	0.0135	138	12.04	16.13	12.04	16.23
100-5	Tavistock	100yr24hr	12.10	36.00	0.00	0.0098	123	12.00	0.80	1.41	16.38
100-5	Tavistock	10yr24hr	12.07	34.38	0.00	0.0182	123	12.00	0.55	1.91	16.38
100-5	Tavistock	2.33yr24hr	12.11	33.49	0.00	0.0098	123	12.00	0.34	2.85	16.38
100-5	Tavistock	25yr24hr	12.07	34.81	0.00	-0.0117	123	12.00	0.64	12.80	0.17
100-6	Tavistock	100yr24hr	12.10	35.94	0.00	-0.0020	116	12.00	1.05	12.71	1.18
100-6	Tavistock	10yr24hr	12.07	34.34	0.00	-0.0025	116	12.00	0.73	12.64	1.16
100-6	Tavistock	2.33yr24hr	12.11	33.47	0.00	0.0016	116	12.00	0.46	12.77	1.07
100-6	Tavistock	25yr24hr	12.07	34.77	0.00	0.0018	116	12.00	0.84	12.07	0.77
100-8	Tavistock	100yr24hr	12.59	34.41	0.00	-0.0108	124	12.08	19.46	12.08	19.38
100-8	Tavistock	10yr24hr	12.56	33.78	0.00	-0.0108	124	12.03	13.19	12.03	13.13
100-8	Tavistock	2.33yr24hr	12.63	33.26	0.00	-0.0108	124	12.05	8.32	12.05	8.28
100-8	Tavistock	25yr24hr	12.56	33.98	0.00	-0.0021	124	12.03	15.13	12.03	15.07
100-9	Tavistock	100yr24hr	12.56	34.42	0.00	-0.0028	114	12.00	3.56	12.01	3.46
100-9	Tavistock	10yr24hr	12.54	33.79	0.00	-0.0028	114	12.00	2.45	12.00	2.38
100-9	Tavistock	2.33yr24hr	12.62	33.27	0.00	-0.0028	114	12.00	1.51	12.02	1.47
100-9	Tavistock	25yr24hr	12.54	33.99	0.00	-0.0015	114	12.00	2.82	12.00	2.73
9-10	Tavistock	100yr24hr	12.13	34.94	0.00	-0.0209	129	12.09	40.20	12.09	40.11
9-10	Tavistock	10yr24hr	12.18	33.93	0.00	-0.0209	129	12.03	27.22	12.03	27.16
9-10	Tavistock	2.33yr24hr	12.16	33.34	0.00	-0.0260	129	11.78	22.12	12.08	16.21
9-10	Tavistock	25yr24hr	12.18	34.21	0.00	0.0150	129	12.04	31.32	12.04	31.25
9-11	Tavistock	100yr24hr	12.12	35.24	0.00	0.0210	127	12.08	40.30	12.09	40.20
9-11	Tavistock	10yr24hr	12.13	34.05	0.00	0.0210	127	12.03	27.28	12.03	27.22

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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	Max Outflow cfs
9-11	Tavistock	2.33yr24hr	12.13	33.38	0.00	0.0210	127	12.08	16.23	11.78	22.12
9-11	Tavistock	25yr24hr	12.12	34.37	0.00	-0.0282	127	12.03	31.39	12.04	31.32
9-12	Tavistock	100yr24hr	12.11	35.51	0.00	-0.0236	129	12.07	31.42	12.08	31.31
9-12	Tavistock	10yr24hr	12.10	34.16	0.00	-0.0236	129	12.02	21.29	12.02	21.19
9-12	Tavistock	2.33yr24hr	12.12	33.42	0.00	-0.0236	129	11.82	16.32	12.08	12.35
9-12	Tavistock	25yr24hr	12.09	34.53	0.00	0.0148	129	12.02	24.52	12.03	24.43
9-13	Tavistock	100yr24hr	12.10	35.77	0.00	-0.0178	132	12.07	30.18	12.07	30.11
9-13	Tavistock	10yr24hr	12.08	34.27	0.00	0.0190	132	12.02	20.33	12.02	20.40
9-13	Tavistock	2.33yr24hr	12.11	33.46	0.00	-0.0198	132	12.06	10.75	12.57	15.99
9-13	Tavistock	25yr24hr	12.08	34.68	0.00	-0.0177	132	12.02	23.70	12.02	23.50
9-14	Tavistock	100yr24hr	12.10	35.99	0.00	-0.0168	144	12.06	27.25	12.07	26.33
9-14	Tavistock	10yr24hr	12.07	34.37	0.00	-0.0168	144	12.01	19.54	12.02	17.67
9-14	Tavistock	2.33yr24hr	12.10	33.49	0.00	-0.0168	144	12.00	16.63	12.08	9.06
9-14	Tavistock	25yr24hr	12.07	34.81	0.00	0.0190	144	12.02	19.49	12.02	20.66
9-15	Tavistock	100yr24hr	12.10	36.05	0.00	0.0091	145	14.56	14.95	13.15	12.48
9-15	Tavistock	10yr24hr	12.07	34.40	0.00	0.0166	145	12.94	9.31	13.83	12.07
9-15	Tavistock	2.33yr24hr	12.11	33.53	0.00	0.0091	145	1.52	0.00	13.12	12.14
9-15	Tavistock	25yr24hr	12.07	34.83	0.00	-0.0138	145	12.00	15.89	13.03	10.32
9-16	Tavistock	100yr24hr	12.10	36.05	0.00	-0.0196	137	12.71	14.39	14.60	13.29
9-16	Tavistock	10yr24hr	12.07	34.39	0.00	-0.0124	137	12.71	15.44	13.02	8.26
9-16	Tavistock	2.33yr24hr	12.10	33.50	0.00	-0.0196	137	13.17	15.28	0.00	0.00
9-16	Tavistock	25yr24hr	12.07	34.85	0.00	0.0180	137	13.10	9.17	14.09	13.39
9-18	Tavistock	100yr24hr	12.27	34.58	0.00	-0.0186	133	12.11	23.08	12.11	22.99
9-18	Tavistock	10yr24hr	12.26	33.80	0.00	-0.0186	133	12.07	16.02	12.08	15.97
9-18	Tavistock	2.33yr24hr	12.22	33.31	0.00	-0.0185	133	12.09	10.66	12.09	10.62
9-18	Tavistock	25yr24hr	12.27	34.03	0.00	-0.0039	133	12.08	18.17	12.08	18.11
9-19	Tavistock	100yr24hr	12.15	35.80	0.00	0.0056	134	12.10	23.17	12.11	23.08
9-19	Tavistock	10yr24hr	12.14	34.36	0.00	-0.0046	134	12.07	16.07	12.07	16.02
9-19	Tavistock	2.33yr24hr	12.13	33.56	0.00	-0.0039	134	12.09	10.69	12.09	10.66
9-19	Tavistock	25yr24hr	12.15	34.76	0.00	0.0061	134	12.07	18.23	12.08	18.17
9-20	Tavistock	100yr24hr	12.15	35.82	0.00	-0.0031	114	12.00	1.81	12.08	1.63
9-20	Tavistock	10yr24hr	12.14	34.37	0.00	-0.0031	114	12.00	1.26	12.04	1.13
9-20	Tavistock	2.33yr24hr	12.13	33.56	0.00	-0.0031	114	12.00	0.79	3.76	1.08
9-20	Tavistock	25yr24hr	12.15	34.77	0.00	-0.0020	114	12.00	1.44	12.05	1.28
9-21	Tavistock	100yr24hr	12.15	36.13	0.00	-0.0049	128	12.11	19.84	12.12	19.75
9-21	Tavistock	10yr24hr	12.13	34.52	0.00	-0.0047	128	12.07	13.76	12.08	13.71
9-21	Tavistock	2.33yr24hr	12.13	33.62	0.00	0.0035	128	12.09	9.16	12.09	9.12
9-21	Tavistock	25yr24hr	12.14	34.96	0.00	-0.0055	128	12.08	15.61	12.09	15.55
9-22	Tavistock	100yr24hr	12.12	36.77	0.00	0.0015	117	12.06	8.40	12.09	8.23
9-22	Tavistock	10yr24hr	12.11	34.81	0.00	0.0012	117	12.01	5.82	12.02	5.68
9-22	Tavistock	2.33yr24hr	12.11	33.76	0.00	-0.0011	117	12.04	3.74	12.08	3.69
9-22	Tavistock	25yr24hr	12.11	35.34	0.00	0.0012	117	12.01	6.65	12.02	6.47
9-23	Tavistock	100yr24hr	12.11	37.42	0.00	0.0019	115	12.00	8.68	12.06	8.40
9-23	Tavistock	10yr24hr	12.08	35.11	0.00	-0.0013	115	12.00	6.03	12.01	5.82
9-23	Tavistock	2.33yr24hr	12.10	33.89	0.00	-0.0012	115	12.00	3.81	12.04	3.74
9-23	Tavistock	25yr24hr	12.09	35.72	0.00	0.0013	115	12.00	6.92	12.01	6.65
9-24	Tavistock	100yr24hr	12.15	36.93	0.00	0.0016	137	12.13	11.87	12.15	11.84
9-24	Tavistock	10yr24hr	12.12	34.90	0.00	-0.0014	137	12.09	8.29	12.10	8.26
9-24	Tavistock	2.33yr24hr	12.12	33.80	0.00	-0.0014	137	12.09	5.52	12.11	5.50
9-24	Tavistock	25yr24hr	12.13	35.46	0.00	-0.0016	137	12.10	9.39	12.11	9.36
9-25	Tavistock	100yr24hr	12.14	37.34	0.00	0.0017	128	12.08	8.70	12.09	8.48
9-25	Tavistock	10yr24hr	12.11	35.10	0.00	0.0013	128	12.01	5.99	12.05	5.84
9-25	Tavistock	2.33yr24hr	12.11	33.88	0.00	0.0013	128	12.08	3.93	12.08	3.88
9-25	Tavistock	25yr24hr	12.12	35.71	0.00	-0.0015	128	12.02	6.83	12.05	6.63

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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	Max Outflow cfs
9-26	Tavistock	100yr24hr	12.14	37.35	0.00	-0.0017	114	12.00	1.46	12.16	1.30
9-26	Tavistock	10yr24hr	12.11	35.11	0.00	0.0010	114	12.00	1.01	12.11	0.90
9-26	Tavistock	2.33yr24hr	12.11	33.89	0.00	-0.0006	114	12.00	0.64	12.11	0.60
9-26	Tavistock	25yr24hr	12.12	35.72	0.00	0.0012	114	12.00	1.16	12.12	1.02
9-27	Tavistock	100yr24hr	12.13	37.73	0.00	0.0019	116	12.00	6.29	12.08	5.99
9-27	Tavistock	10yr24hr	12.10	35.28	0.00	0.0011	116	12.00	4.37	12.01	4.14
9-27	Tavistock	2.33yr24hr	12.11	33.97	0.00	-0.0006	116	12.00	2.77	12.08	2.69
9-27	Tavistock	25yr24hr	12.11	35.95	0.00	0.0014	116	12.00	5.01	12.01	4.72
9-28	Tavistock	100yr24hr	12.15	37.07	0.00	0.0038	121	12.18	3.65	12.19	3.73
9-28	Tavistock	10yr24hr	12.12	34.98	0.00	0.0019	121	12.12	2.55	12.15	2.56
9-28	Tavistock	2.33yr24hr	12.12	33.83	0.00	0.0010	121	12.12	1.70	12.14	1.71
9-28	Tavistock	25yr24hr	12.13	35.55	0.00	-0.0022	121	12.13	2.89	12.16	2.91
9-29	Tavistock	100yr24hr	12.15	37.08	0.00	-0.0024	114	12.00	0.93	12.20	0.84
9-29	Tavistock	10yr24hr	12.12	34.98	0.00	-0.0014	114	12.00	0.65	12.94	0.61
9-29	Tavistock	2.33yr24hr	12.12	33.83	0.00	-0.0005	114	12.00	0.41	12.14	0.38
9-29	Tavistock	25yr24hr	12.13	35.55	0.00	-0.0013	114	12.00	0.74	12.17	0.65
9-30	Tavistock	100yr24hr	12.15	37.14	0.00	0.0023	119	12.08	1.97	12.19	1.96
9-30	Tavistock	10yr24hr	12.12	35.01	0.00	0.0015	119	12.07	1.36	12.14	1.35
9-30	Tavistock	2.33yr24hr	12.12	33.84	0.00	-0.0007	119	12.08	0.92	12.14	0.90
9-30	Tavistock	25yr24hr	12.13	35.59	0.00	0.0015	119	12.08	1.55	12.16	1.53
9-31	Tavistock	100yr24hr	12.15	37.15	0.00	-0.0017	114	12.00	1.05	12.20	0.93
9-31	Tavistock	10yr24hr	12.12	35.01	0.00	-0.0015	114	12.00	0.73	12.15	0.64
9-31	Tavistock	2.33yr24hr	12.12	33.84	0.00	-0.0005	114	12.00	0.46	12.14	0.43
9-31	Tavistock	25yr24hr	12.13	35.60	0.00	-0.0015	114	12.00	0.84	12.16	0.73
9-32	Tavistock	100yr24hr	12.12	35.44	0.00	-0.0044	124	12.10	8.20	12.11	8.17
9-32	Tavistock	10yr24hr	12.11	34.14	0.00	-0.0044	124	12.05	5.58	12.06	5.54
9-32	Tavistock	2.33yr24hr	12.12	33.42	0.00	-0.0044	124	12.08	3.54	12.09	3.51
9-32	Tavistock	25yr24hr	12.10	34.49	0.00	0.0039	124	12.05	6.39	12.06	6.35
9-33	Tavistock	100yr24hr	12.11	35.76	0.00	0.0019	128	12.08	8.30	12.10	8.20
9-33	Tavistock	10yr24hr	12.09	34.28	0.00	0.0019	128	12.04	5.63	12.05	5.58
9-33	Tavistock	2.33yr24hr	12.11	33.48	0.00	0.0019	128	12.08	3.52	12.08	3.54
9-33	Tavistock	25yr24hr	12.09	34.68	0.00	-0.0019	128	12.00	6.48	12.05	6.39
9-34	Tavistock	100yr24hr	12.10	36.18	0.00	0.0014	114	12.00	7.52	12.07	7.32
9-34	Tavistock	10yr24hr	12.07	34.47	0.00	0.0008	114	12.00	5.17	12.00	5.01
9-34	Tavistock	2.33yr24hr	12.10	33.55	0.00	0.0007	114	12.00	3.18	12.05	3.13
9-34	Tavistock	25yr24hr	12.07	34.93	0.00	0.0010	114	12.00	5.96	12.00	5.76
9-35	Tavistock	100yr24hr	12.12	35.77	0.00	-0.0021	121	12.00	0.63	12.17	0.69
9-35	Tavistock	10yr24hr	12.09	34.28	0.00	0.0008	121	12.93	0.60	12.13	0.37
9-35	Tavistock	2.33yr24hr	12.11	33.48	0.00	0.0008	121	12.00	0.47	12.53	0.32
9-35	Tavistock	25yr24hr	12.09	34.68	0.00	-0.0013	121	12.11	0.42	12.15	0.44
9-36	Tavistock	100yr24hr	12.12	35.77	0.00	0.0012	114	12.00	0.34	12.79	0.54
9-36	Tavistock	10yr24hr	12.09	34.28	0.00	-0.0008	114	12.00	0.24	12.93	0.57
9-36	Tavistock	2.33yr24hr	12.11	33.48	0.00	0.0008	114	12.00	0.15	3.76	0.41
9-36	Tavistock	25yr24hr	12.09	34.68	0.00	0.0008	114	12.00	0.27	12.14	0.26
9-37	Tavistock	100yr24hr	12.09	36.55	0.00	0.0024	116	12.00	6.83	12.07	6.66
9-37	Tavistock	10yr24hr	12.05	34.62	0.00	0.0030	116	12.00	4.70	12.01	4.55
9-37	Tavistock	2.33yr24hr	12.10	33.59	0.00	0.0030	116	12.00	2.89	12.05	2.93
9-37	Tavistock	25yr24hr	12.06	35.14	0.00	0.0021	116	12.00	5.41	12.02	5.20
9-38	Tavistock	100yr24hr	12.10	36.06	0.00	0.0029	119	12.00	1.05	14.51	1.11
9-38	Tavistock	10yr24hr	12.07	34.40	0.00	-0.0020	119	12.00	0.73	12.06	0.36
9-38	Tavistock	2.33yr24hr	12.11	33.52	0.00	-0.0022	119	12.00	0.46	12.53	0.13
9-38	Tavistock	25yr24hr	12.07	34.85	0.00	-0.0017	119	12.00	0.84	11.56	1.33
9-39	Tavistock	100yr24hr	12.10	36.33	0.00	0.0043	133	12.08	12.12	12.10	12.18
9-39	Tavistock	10yr24hr	12.06	34.53	0.00	0.0050	133	12.03	8.20	12.04	8.44

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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	Max Outflow cfs
9-39	Tavistock	2.33yr24hr	12.10	33.56	0.00	0.0043	133	12.07	5.12	12.09	5.77
9-39	Tavistock	25yr24hr	12.06	35.01	0.00	-0.0043	133	12.03	9.44	12.04	9.16
9-40	Tavistock	100yr24hr	12.10	36.35	0.00	0.0019	121	12.15	0.99	12.17	1.15
9-40	Tavistock	10yr24hr	12.06	34.53	0.00	0.0009	121	12.08	0.63	12.10	0.64
9-40	Tavistock	2.33yr24hr	12.10	33.56	0.00	-0.0007	121	11.93	0.51	12.53	0.42
9-40	Tavistock	25yr24hr	12.07	35.02	0.00	-0.0012	121	12.09	0.73	12.12	0.77
9-41	Tavistock	100yr24hr	12.10	36.35	0.00	0.0015	115	12.00	0.46	13.24	0.57
9-41	Tavistock	10yr24hr	12.06	34.54	0.00	-0.0009	115	12.00	0.32	12.98	0.46
9-41	Tavistock	2.33yr24hr	12.10	33.56	0.00	-0.0008	115	12.00	0.19	12.64	0.38
9-41	Tavistock	25yr24hr	12.07	35.02	0.00	0.0010	115	12.00	0.36	12.12	0.36
9-42	Tavistock	100yr24hr	12.10	36.66	0.00	0.0025	115	12.00	5.97	12.08	5.80
9-42	Tavistock	10yr24hr	12.06	34.68	0.00	0.0016	115	12.00	4.10	12.02	3.94
9-42	Tavistock	2.33yr24hr	12.10	33.62	0.00	0.0008	115	12.00	2.53	12.06	2.47
9-42	Tavistock	25yr24hr	12.06	35.21	0.00	0.0013	115	12.00	4.73	12.02	4.52
9-43	Tavistock	100yr24hr	12.26	34.52	0.00	0.0019	114	12.00	1.81	14.47	1.85
9-43	Tavistock	10yr24hr	12.26	33.77	0.00	-0.0020	114	12.00	1.26	12.00	1.18
9-43	Tavistock	2.33yr24hr	12.24	33.28	0.00	-0.0030	114	12.00	0.79	12.07	0.75
9-43	Tavistock	25yr24hr	12.27	34.00	0.00	0.0028	114	12.00	1.44	11.34	1.86
9-9	Tavistock	100yr24hr	12.27	34.50	0.00	0.0184	131	12.08	42.77	12.09	42.67
9-9	Tavistock	10yr24hr	12.26	33.76	0.00	0.0184	131	12.03	28.99	12.03	28.94
9-9	Tavistock	2.33yr24hr	12.24	33.28	0.00	0.0184	131	12.08	17.39	12.08	17.36
9-9	Tavistock	25yr24hr	12.27	33.99	0.00	-0.0245	131	12.04	33.34	12.04	33.27
BB-1	CORE	100yr24hr	16.69	32.56	0.00	0.0186	1857	12.66	45.36	12.48	32.45
BB-1	CORE	10yr24hr	17.76	31.87	0.00	0.0186	920	12.80	28.48	13.77	22.35
BB-1	CORE	2.33yr24hr	19.47	31.34	0.00	0.0180	1248	13.92	10.03	13.94	9.98
BB-1	CORE	25yr24hr	17.14	32.09	0.00	0.0186	1624	12.94	36.25	12.99	29.84
BB-10	CORE	100yr24hr	19.02	32.48	32.70	*********	113	45.78	0.23	0.00	0.00
BB-10	CORE	10yr24hr	19.58	31.78	32.70	*********	113	12.00	0.04	0.00	0.00
BB-10	CORE	2.33yr24hr	20.06	31.30	32.70	*********	113	26.23	0.47	0.00	0.00
BB-10	CORE	25yr24hr	18.58	31.99	32.70	*********	113	12.04	0.06	0.00	0.00
BB-9	CORE	100yr24hr	12.37	33.31	0.00	*********	113	25.09	3.76	0.00	0.00
BB-9	CORE	10yr24hr	12.32	32.72	0.00	*********	113	11.95	0.09	0.00	0.00
BB-9	CORE	2.33yr24hr	12.28	32.21	0.00	*********	113	12.00	0.06	0.00	0.00
BB-9	CORE	25yr24hr	12.34	32.92	0.00	*********	113	11.90	0.10	0.00	0.00
BOX 1-IN tw	CORE	100yr24hr	17.42	32.73	33.04	0.0003	1300	0.00	0.00	18.92	235.70
BOX 1-IN tw	CORE	10yr24hr	17.00	32.18	33.04	0.0002	1300	0.00	0.00	19.00	172.60
BOX 1-IN tw	CORE	2.33yr24hr	14.50	31.53	33.04	0.0001	1300	0.00	0.00	18.50	93.91
BOX 1-IN tw	CORE	25yr24hr	17.25	32.36	33.04	0.0002	1300	0.00	0.00	18.75	194.16
BOX 1-OUT	CORE	100yr24hr	17.50	32.61	33.04	-0.0017	9295	18.33	276.40	18.33	276.42
BOX 1-OUT	CORE	10yr24hr	17.03	32.07	33.04	-0.0016	8615	18.50	216.33	18.50	216.34
BOX 1-OUT	CORE	2.33yr24hr	14.54	31.45	33.04	-0.0016	7757	14.00	148.65	14.50	148.27
BOX 1-OUT	CORE	25yr24hr	17.28	32.24	33.04	-0.0016	8841	18.75	236.74	18.75	236.75
BOX 2-IN	CORE	100yr24hr	17.50	32.33	33.04	-0.0028	8595	18.33	276.55	18.33	276.58
BOX 2-IN	CORE	10yr24hr	17.05	31.75	33.04	-0.0029	7795	18.50	216.43	18.50	216.45
BOX 2-IN	CORE	2.33yr24hr	14.65	31.08	33.04	-0.0028	6868	14.50	148.37	14.51	148.29
BOX 2-IN	CORE	25yr24hr	17.30	31.93	33.04	-0.0028	8049	18.75	236.85	18.75	236.87
BOX 2-OUT	CORE	100yr24hr	17.50	32.27	33.04	0.0029	3891	18.33	276.58	18.33	276.60
BOX 2-OUT	CORE	10yr24hr	17.05	31.70	33.04	0.0031	3575	18.50	216.45	18.50	216.47
BOX 2-OUT	CORE	2.33yr24hr	14.66	31.04	33.04	0.0030	3207	14.51	148.29	14.51	148.26
BOX 2-OUT	CORE	25yr24hr	17.30	31.88	33.04	0.0031	3674	18.75	236.87	18.75	236.88
CORE Lake-10	CORE	100yr24hr	12.43	33.08	32.84	0.0004	52553	12.00	58.18	12.40	30.31
CORE Lake-10	CORE	10yr24hr	12.45	32.53	32.84	0.0003	50569	12.00	39.98	12.45	20.27
CORE Lake-10	CORE	2.33yr24hr	12.47	32.04	32.84	0.0002	48792	12.00	24.62	12.47	11.93
CORE Lake-10	CORE	25yr24hr	12.46	32.72	32.84	0.0003	51249	12.00	46.07	12.46	23.20

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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	Max Outflow cfs
CORE Lake-8	CORE	100yr24hr	12.45	34.33	34.00	0.0004	26771	12.00	13.50	12.84	11.69
CORE Lake-8	CORE	10yr24hr	12.40	33.69	34.00	0.0002	24679	12.00	9.27	12.72	8.10
CORE Lake-8	CORE	2.33yr24hr	12.34	33.27	34.00	0.0002	22778	12.00	5.71	12.60	5.10
CORE Lake-8	CORE	25yr24hr	12.42	33.89	34.00	0.0003	25328	12.00	10.69	12.77	9.35
CORE Lake-9	CORE	100yr24hr	12.37	34.27	34.00	0.0004	40517	12.08	96.30	12.37	77.66
CORE Lake-9	CORE	10yr24hr	12.32	33.64	34.00	0.0002	38456	12.05	65.44	12.32	58.08
CORE Lake-9	CORE	2.33yr24hr	12.28	33.24	34.00	0.0002	36623	12.10	41.67	12.28	37.90
CORE Lake-9	CORE	25yr24hr	12.34	33.83	34.00	0.0003	39088	12.05	74.52	12.34	64.53
DITCH 4	CORE	100yr24hr	17.50	32.19	34.04	-0.0034	7046	18.33	276.60	18.33	276.63
DITCH 4	CORE	10yr24hr	17.05	31.61	34.04	-0.0032	6364	18.50	216.47	18.50	216.49
DITCH 4	CORE	2.33yr24hr	14.67	30.94	34.04	-0.0032	5574	14.51	148.26	14.55	148.20
DITCH 4	CORE	25yr24hr	17.30	31.79	34.04	-0.0033	6576	18.75	236.88	18.75	236.91
DITCH 5	CORE	100yr24hr	16.99	32.11	34.04	-0.0028	10142	18.33	279.66	18.33	279.71
DITCH 5	CORE	10yr24hr	17.05	31.53	34.04	-0.0028	9185	18.50	218.50	18.50	218.55
DITCH 5	CORE	2.33yr24hr	14.68	30.86	34.04	-0.0028	8082	14.54	149.90	14.61	149.87
DITCH 5	CORE	25yr24hr	17.30	31.70	34.04	-0.0028	9478	18.75	239.21	18.75	239.25
DOT Pond 7	CORE	100yr24hr	13.44	32.86	32.74	0.0002	110823	12.33	53.60	13.45	23.57
DOT Pond 7	CORE	10yr24hr	13.60	32.33	32.74	0.0001	107144	12.25	36.01	13.90	14.75
DOT Pond 7	CORE	2.33yr24hr	13.95	31.83	32.74	0.0001	103678	12.33	21.62	13.85	7.36
DOT Pond 7	CORE	25yr24hr	13.51	32.51	32.74	0.0002	108408	12.25	41.82	13.53	17.84
L-100A	CORE	100yr24hr	12.56	33.95	34.00	0.0003	33221	12.17	50.50	12.33	40.16
L-100A	CORE	10yr24hr	12.45	33.49	34.00	0.0002	31868	12.25	34.07	12.45	30.51
L-100A	CORE	2.33yr24hr	12.53	33.15	34.00	0.0002	30869	12.17	20.51	12.53	17.70
L-100A	CORE	25yr24hr	12.45	33.60	34.00	0.0002	32211	12.25	39.25	12.41	35.24
L-100B	CORE	100yr24hr	12.66	34.36	34.00	0.0003	76189	12.08	53.57	12.83	14.03
L-100B	CORE	10yr24hr	12.60	33.75	34.00	0.0002	73608	12.03	36.75	12.73	11.44
L-100B	CORE	2.33yr24hr	12.66	33.26	34.00	0.0002	71453	12.05	24.51	12.86	7.37
L-100B	CORE	25yr24hr	12.62	33.94	34.00	0.0003	74429	12.03	41.90	12.74	13.00
LAKE 1-arena	CORE	100yr24hr	16.02	38.85	39.00	0.0003	205335	12.00	129.28	16.02	5.92
LAKE 1-arena	CORE	10yr24hr	17.53	38.02	39.00	0.0002	199186	12.00	89.58	17.53	3.40
LAKE 1-arena	CORE	2.33yr24hr	20.02	37.29	39.00	0.0001	193819	12.00	56.18	20.02	1.62
LAKE 1-arena	CORE	25yr24hr	16.64	38.30	39.00	0.0003	201270	12.00	102.85	16.64	4.20
LAKE 3-PB tw	CORE	100yr24hr	13.08	34.21	34.04	0.0005	0	0.00	0.00	13.08	4.42
LAKE 3-PB tw	CORE	10yr24hr	13.25	33.06	34.04	0.0003	0	0.00	0.00	12.75	3.08
LAKE 3-PB tw	CORE	2.33yr24hr	13.25	32.04	34.04	0.0002	0	0.00	0.00	13.00	1.99
LAKE 3-PB tw	CORE	25yr24hr	13.25	33.47	34.04	0.0004	0	0.00	0.00	13.50	3.44
Lake 5	CORE	100yr24hr	13.15	35.99	36.60	0.0004	46277	12.00	55.86	12.15	21.33
Lake 5	CORE	10yr24hr	13.79	35.15	36.60	0.0003	43412	12.00	37.79	12.12	14.56
Lake 5	CORE	2.33yr24hr	14.59	34.38	36.60	0.0002	40791	12.00	22.53	12.10	9.27
Lake 5	CORE	25yr24hr	13.66	35.45	36.60	0.0003	44418	12.00	43.84	12.13	16.69
Lake 6	CORE	100yr24hr	13.29	35.95	36.60	0.0003	32696	12.15	21.33	13.26	6.56
Lake 6	CORE	10yr24hr	13.85	35.14	36.60	0.0002	30548	12.12	14.56	13.85	3.27
Lake 6	CORE	2.33yr24hr	14.61	34.38	36.60	0.0002	28529	12.10	9.27	14.61	1.59
Lake 6	CORE	25yr24hr	13.72	35.43	36.60	0.0003	31318	12.13	16.69	13.72	4.02
Lake-7	CORE	100yr24hr	12.59	35.65	35.30	0.0003	116073	12.08	103.83	12.52	54.60
Lake-7	CORE	10yr24hr	12.59	35.17	35.30	0.0002	112706	12.00	66.34	12.59	37.71
Lake-7	CORE	2.33yr24hr	12.70	34.74	35.30	0.0002	109706	12.08	43.95	12.70	19.81
Lake-7	CORE	25yr24hr	12.57	35.31	35.30	0.0002	113751	12.00	76.52	12.57	44.80
MH-1-PB-tw	CORE	100yr24hr	19.17	32.96	34.04	-0.0014	15	0.00	0.00	14.67	42.15
MH-1-PB-tw	CORE	10yr24hr	19.50	32.59	34.04	-0.0006	15	0.00	0.00	15.25	45.86
MH-1-PB-tw	CORE	2.33yr24hr	19.00	32.11	34.04	-0.0006	15	0.00	0.00	15.15	49.26
MH-1-PB-tw	CORE	25yr24hr	19.25	32.71	34.04	-0.0006	15	0.00	0.00	14.70	44.80
N-W22	CORE	100yr24hr	18.88	31.92	0.00	0.0089	145	25.92	23.99	23.65	24.66
N-W22	CORE	10yr24hr	19.61	31.23	0.00	-0.0047	298	21.01	17.81	21.01	17.81

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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	Max Outflow cfs
N-W22	CORE	2.33yr24hr	19.69	30.94	0.00	-0.0087	330	20.98	12.23	11.88	21.99
N-W22	CORE	25yr24hr	19.42	31.35	0.00	-0.0081	280	18.07	20.42	18.08	20.42
N05-BR	CORE	100yr24hr	12.98	33.13	0.00	-0.0058	1428	12.48	35.93	12.66	45.36
N05-BR	CORE	10yr24hr	13.16	32.86	0.00	-0.0048	1166	13.76	22.47	12.80	28.48
N05-BR	CORE	25yr24hr	12.94	32.95	0.00	-0.0055	1240	12.95	30.39	12.94	36.25
N15-BR	CORE	100yr24hr	13.00	33.29	0.00	-0.1300	126	0.00	0.00	1.67	3.79
N15-BR	CORE	10yr24hr	13.02	33.26	0.00	-0.1300	126	0.00	0.00	4.00	3.85
N15-BR	CORE	2.33yr24hr	16.00	33.25	0.00	-0.1300	126	0.00	0.00	4.00	3.85
N15-BR	CORE	25yr24hr	13.01	33.27	0.00	-0.1300	126	0.00	0.00	4.00	3.85
N_HH00010	CORE	100yr24hr	18.88	31.88	0.00	-0.0007	102271	13.81	29.06	14.26	27.10
N_HH00010	CORE	10yr24hr	19.61	31.21	0.00	-0.0007	69101	12.81	23.48	20.41	19.07
N_HH00010	CORE	2.33yr24hr	19.69	30.93	0.00	-0.0007	55202	11.88	27.87	20.55	12.98
N_HH00010	CORE	25yr24hr	19.44	31.32	0.00	-0.0007	75199	12.74	26.83	20.37	21.88
N_HH00012	CORE	100yr24hr	12.50	31.89	0.00	29.4100	0	0.00	29.41	12.50	23.57
N_HH00012	CORE	10yr24hr	12.73	31.53	0.00	29.4100	0	0.00	29.41	12.73	17.57
N_HH00012	CORE	2.33yr24hr	12.73	31.53	0.00	29.4100	0	0.00	29.41	12.73	17.57
N_HH00012	CORE	25yr24hr	12.73	31.53	0.00	29.4100	0	0.00	29.41	12.73	17.57
N_HH00015	CORE	100yr24hr	18.57	31.63	0.00	0.0005	140619	15.18	227.23	15.03	191.57
N_HH00015	CORE	10yr24hr	19.39	29.98	0.00	0.0004	94077	12.73	119.75	19.52	99.83
N_HH00015	CORE	2.33yr24hr	19.38	29.88	0.00	0.0003	90916	12.73	117.70	19.50	94.08
N_HH00015	CORE	25yr24hr	19.39	30.03	0.00	0.0005	95630	12.73	122.63	19.53	102.54
N_HH00020	CORE	100yr24hr	16.74	29.81	0.00	-0.4700	29	15.03	191.57	0.00	0.00
N_HH00020	CORE	10yr24hr	17.16	29.23	0.00	0.0200	29	19.52	99.83	0.00	0.00
N_HH00020	CORE	2.33yr24hr	17.16	29.23	0.00	0.0200	29	19.50	94.08	0.00	0.00
N_HH00020	CORE	25yr24hr	17.16	29.23	0.00	0.0200	29	19.53	102.54	0.00	0.00
N_HH02030	CORE	100yr24hr	18.56	31.67	0.00	0.0100	0	0.00	0.00	15.20	191.46
N_HH02030	CORE	10yr24hr	12.73	30.86	0.00	0.0001	0	0.00	0.00	12.73	91.28
N_HH02030	CORE	2.33yr24hr	12.73	30.86	0.00	0.0001	0	0.00	0.00	12.73	91.28
N_HH02030	CORE	25yr24hr	12.73	30.86	0.00	0.0001	0	0.00	0.00	12.73	91.29
N_HH03075	CORE	100yr24hr	16.72	31.64	34.04	0.0265	15190	13.21	287.61	13.23	287.02
N_HH03075	CORE	10yr24hr	17.03	31.14	34.04	0.0265	11812	17.16	222.48	17.19	222.55
N_HH03075	CORE	2.33yr24hr	16.90	30.60	34.04	0.0265	9603	14.11	156.99	14.13	156.55
N_HH03075	CORE	25yr24hr	17.28	31.28	34.04	0.0265	12422	13.12	245.48	13.15	245.48
N_HH03085	CORE	100yr24hr	16.40	30.16	30.00	2.6900	5582	13.23	287.02	0.00	0.00
N_HH03085	CORE	10yr24hr	16.90	29.61	30.00	2.6900	4852	17.19	222.55	0.00	0.00
N_HH03085	CORE	2.33yr24hr	16.90	29.61	30.00	2.6900	4560	14.13	156.55	0.00	0.00
N_HH03085	CORE	25yr24hr	16.90	29.61	30.00	2.6900	4940	13.15	245.48	0.00	0.00
N_HH09020	CORE	100yr24hr	13.31	33.06	36.00	0.0005	229639	13.46	23.33	13.76	26.80
N_HH09020	CORE	10yr24hr	13.44	32.88	36.00	0.0005	172800	14.42	11.86	14.16	14.43
N_HH09020	CORE	2.33yr24hr	14.10	32.65	36.00	0.0005	128747	12.26	7.41	17.28	5.89
N_HH09020	CORE	25yr24hr	13.20	32.93	36.00	0.0005	183031	13.82	15.05	14.29	16.95
N_HH09040	CORE	100yr24hr	13.01	32.72	0.00	-0.0022	13623	12.52	54.60	12.62	52.24
N_HH09040	CORE	10yr24hr	17.02	32.07	0.00	-0.0022	5185	12.59	37.71	12.63	37.68
N_HH09040	CORE	2.33yr24hr	14.02	31.48	0.00	-0.0022	1116	12.70	19.81	12.71	19.81
N_HH09040	CORE	25yr24hr	13.01	32.34	0.00	-0.0022	8238	12.57	44.80	12.59	43.92
N_WS07010	CORE	100yr24hr	16.70	30.06	30.10	0.0001	0	12.75	242.60	0.00	0.00
N_WS07010	CORE	10yr24hr	13.70	29.84	30.10	0.0000	0	12.75	139.70	0.00	0.00
N_WS07010	CORE	2.33yr24hr	13.70	29.84	30.10	0.0000	0	12.67	75.12	0.00	0.00
N_WS07010	CORE	25yr24hr	13.70	29.84	30.10	0.0001	0	12.75	172.29	0.00	0.00
NW-W22	CORE	100yr24hr	19.07	32.48	32.50	-0.0799	609290	12.48	85.49	26.05	26.65
NW-W22	CORE	10yr24hr	19.55	31.77	32.50	-0.0799	608521	12.53	50.78	24.00	15.12
NW-W22	CORE	2.33yr24hr	20.08	31.30	32.50	-0.0802	563501	13.37	20.55	25.91	11.54
NW-W22	CORE	25yr24hr	18.59	31.99	32.50	-0.0799	608756	12.98	61.44	24.00	16.92
NW-W23A W23B	CORE	100yr24hr	13.02	33.21	34.00	-0.0011	139691	12.33	35.84	12.48	20.87

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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	Max Outflow cfs
NW-W23A W23B	CORE	10yr24hr	13.23	32.93	34.00	-0.0011	115598	12.50	25.97	13.76	19.00
NW-W23A W23B	CORE	2.33yr24hr	14.06	32.65	34.00	-0.0011	90165	12.58	11.94	15.76	8.61
NW-W23A W23B	CORE	25yr24hr	12.94	33.02	34.00	-0.0011	123633	12.50	30.18	12.96	23.00
NW-W24	CORE	100yr24hr	12.32	33.25	33.04	0.0031	81063	12.17	28.91	12.21	27.67
NW-W24	CORE	10yr24hr	13.02	33.22	33.04	0.0031	79719	12.25	17.01	12.29	15.70
NW-W24	CORE	2.33yr24hr	13.08	33.22	33.04	0.0031	79286	12.17	8.43	12.29	7.23
NW-W24	CORE	25yr24hr	12.40	33.23	33.04	0.0031	79993	12.25	20.62	12.28	19.32
NW-W28A	CORE	100yr24hr	18.17	33.56	0.00	0.0001	140867	12.17	24.45	18.03	10.71
NW-W28A	CORE	10yr24hr	18.19	33.04	0.00	0.0001	125834	12.25	15.59	18.08	6.68
NW-W28A	CORE	2.33yr24hr	16.80	32.69	0.00	0.0000	121633	12.17	8.79	18.74	3.89
NW-W28A	CORE	25yr24hr	18.61	33.21	0.00	0.0001	127856	12.25	18.46	18.55	7.97
NW-W28B	CORE	100yr24hr	13.41	33.10	37.00	0.0001	68807	12.17	20.28	13.63	16.30
NW-W28B	CORE	10yr24hr	13.83	32.88	37.00	0.0001	51133	12.25	13.59	14.57	8.85
NW-W28B	CORE	2.33yr24hr	14.11	32.65	37.00	0.0001	39098	12.17	9.54	12.17	5.70
NW-W28B	CORE	25yr24hr	13.64	32.95	37.00	0.0001	56657	12.25	15.41	14.20	10.63
SR-70	CORE	100yr24hr	16.99	32.01	34.04	-0.0120	7089	13.19	287.86	13.21	287.61
SR-70	CORE	10yr24hr	17.04	31.43	34.04	-0.0120	6495	17.13	222.45	17.16	222.48
SR-70	CORE	2.33yr24hr	14.70	30.77	34.04	-0.0120	5817	14.09	157.24	14.11	156.99
SR-70	CORE	25yr24hr	17.30	31.61	34.04	-0.0120	6675	13.07	245.56	13.12	245.48
TailW W24	CORE	100yr24hr	15.00	34.66	0.00	0.0002	13	1.67	3.79	0.00	0.00
TailW W24	CORE	10yr24hr	16.00	34.38	0.00	-0.0200	13	4.00	3.85	0.00	0.00
TailW W24	CORE	2.33yr24hr	16.00	34.38	0.00	-0.0200	13	4.00	3.85	0.00	0.00
TailW W24	CORE	25yr24hr	16.00	34.38	0.00	-0.0200	13	4.00	3.85	0.00	0.00

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4. REVISED EXISTING CONDITIONS MODEL (RECM)

4A. RECM BASIN MAP

4B. RECM HYDROLOGY CALCULATIONS

4C. RECM NODE/LINK REPORT

4D. RECM ICPR INPUT REPORT

4E. RECM ICPR BASIN SUMMARY

4F. RECM ICPR NODE MAXIMUM REPORT

4G. RECM ICPR LINK MAXIMUM REPORT

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
9-21	Tavistock	100yr24hr	12.12	19.75	2.547	12.15	36.13	12.15	35.80
9-21	Tavistock	10yr24hr	12.08	13.71	2.547	12.13	34.52	12.14	34.36
9-21	Tavistock	2.33yr24hr	12.09	9.12	2.547	12.13	33.62	12.13	33.56
9-21	Tavistock	25yr24hr	12.09	15.55	-2.016	12.14	34.96	12.15	34.76
BB-10	CORE	100yr24hr	0.00	0.00	0.524	19.07	32.48	19.02	32.48
BB-10	CORE	10yr24hr	0.00	0.00	-0.066	19.55	31.77	19.58	31.78
BB-10	CORE	2.33yr24hr	26.23	0.17	-1.713	20.08	31.30	20.06	31.30
BB-10	CORE	25yr24hr	0.00	0.00	-0.005	18.59	31.99	18.58	31.99
BB-9	CORE	100yr24hr	27.82	3.70	6.406	19.07	32.48	12.37	33.31
BB-9	CORE	10yr24hr	0.00	0.00	-0.018	19.55	31.77	12.32	32.72
BB-9	CORE	2.33yr24hr	0.00	0.00	-0.012	20.08	31.30	12.28	32.21
BB-9	CORE	25yr24hr	0.00	0.00	-0.019	18.59	31.99	12.34	32.92
Box Culvert	CORE	100yr24hr	13.21	287.61	134.268	16.99	32.01	16.72	31.64
Box Culvert	CORE	10yr24hr	17.16	222.48	134.268	17.04	31.43	17.03	31.14
Box Culvert	CORE	2.33yr24hr	14.11	156.99	134.268	14.70	30.77	16.90	30.60
Box Culvert	CORE	25yr24hr	13.12	245.48	134.268	17.30	31.61	17.28	31.28
BOX CULVERT 1	CORE	100yr24hr	18.92	235.70	-0.044	17.42	32.73	17.50	32.61
BOX CULVERT 1	CORE	10yr24hr	19.00	172.60	0.037	17.00	32.18	17.03	32.07
BOX CULVERT 1	CORE	2.33yr24hr	18.50	93.91	0.038	14.50	31.53	14.54	31.45
BOX CULVERT 1	CORE	25yr24hr	18.75	194.16	-0.067	17.25	32.36	17.28	32.24
BOX CULVERT 2	CORE	100yr24hr	18.33	276.58	15.214	17.50	32.33	17.50	32.27
BOX CULVERT 2	CORE	10yr24hr	18.50	216.45	15.210	17.05	31.75	17.05	31.70
BOX CULVERT 2	CORE	2.33yr24hr	14.51	148.29	15.210	14.65	31.08	14.66	31.04
BOX CULVERT 2	CORE	25yr24hr	18.75	236.87	15.210	17.30	31.93	17.30	31.88
C05-BR	CORE	100yr24hr	12.66	45.36	-17.492	12.98	33.13	16.69	32.56
C05-BR	CORE	10yr24hr	12.80	28.48	-11.098	13.16	32.86	13.74	31.50
C05-BR	CORE	2.33yr24hr	13.92	10.03	-2.384	13.92	32.58	19.47	31.34
C05-BR	CORE	25yr24hr	12.94	36.25	13.790	12.94	32.95	17.14	32.09
C_HH00010	CORE	100yr24hr	14.26	27.10	0.004	18.88	31.88	18.57	31.63
C_HH00010	CORE	10yr24hr	20.41	19.07	0.004	19.61	31.21	19.39	29.98
C_HH00010	CORE	2.33yr24hr	20.55	12.98	-0.004	19.69	30.93	19.38	29.88
C_HH00010	CORE	25yr24hr	20.37	21.88	0.004	19.44	31.32	19.39	30.03
C_HH03075	CORE	100yr24hr	13.23	287.02	3.328	16.72	31.64	16.40	30.16
C_HH03075	CORE	10yr24hr	17.19	222.55	3.470	17.03	31.14	16.90	29.61
C_HH03075	CORE	2.33yr24hr	14.13	156.55	7.688	16.90	30.60	16.90	29.61
C_HH03075	CORE	25yr24hr	13.15	245.48	3.328	17.28	31.28	16.90	29.61
C_HH09010	CORE	100yr24hr	13.63	16.30	0.114	13.41	33.10	13.31	33.06
C_HH09010	CORE	10yr24hr	14.57	8.85	0.005	13.83	32.88	13.44	32.88
C_HH09010	CORE	2.33yr24hr	12.17	5.70	-0.318	14.11	32.65	14.10	32.65
C_HH09010	CORE	25yr24hr	14.20	10.63	0.006	13.64	32.95	13.20	32.93
C_HH09020	CORE	100yr24hr	28.34	6.98	-11.621	13.31	33.06	13.02	33.21
C_HH09020	CORE	10yr24hr	24.00	5.59	-11.621	13.44	32.88	13.23	32.93
C_HH09020	CORE	2.33yr24hr	19.50	4.41	-11.621	14.10	32.65	14.06	32.65
C_HH09020	CORE	25yr24hr	24.00	5.37	-11.621	13.20	32.93	12.94	33.02
CS-10	CORE	100yr24hr	12.40	30.31	0.063	12.43	33.08	19.02	32.48
CS-10	CORE	10yr24hr	12.45	20.27	0.005	12.45	32.53	19.58	31.78
CS-10	CORE	2.33yr24hr	12.47	11.93	-0.016	12.47	32.04	20.06	31.30
CS-10	CORE	25yr24hr	12.46	23.20	0.005	12.46	32.72	18.58	31.99
CS-100A	CORE	100yr24hr	12.33	40.16	0.011	12.56	33.95	16.99	32.01
CS-100A	CORE	10yr24hr	12.45	30.51	0.007	12.45	33.49	17.04	31.43
CS-100A	CORE	2.33yr24hr	12.53	17.70	0.004	12.53	33.15	14.70	30.77
CS-100A	CORE	25yr24hr	12.41	35.24	0.008	12.45	33.60	17.30	31.61
CS-8	CORE	100yr24hr	12.84	11.69	0.026	12.45	34.33	12.37	34.27
CS-8	CORE	10yr24hr	12.72	8.10	0.008	12.40	33.69	12.32	33.64

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
CS-8	CORE	2.33yr24hr	12.60	5.10	0.008	12.34	33.27	12.28	33.24
CS-8	CORE	25yr24hr	12.77	9.35	0.009	12.42	33.89	12.34	33.83
CS-9	CORE	100yr24hr	12.37	77.66	0.019	12.37	34.27	12.37	33.31
CS-9	CORE	10yr24hr	12.32	58.08	0.018	12.32	33.64	12.32	32.72
CS-9	CORE	2.33yr24hr	12.28	37.90	0.012	12.28	33.24	12.28	32.21
CS-9	CORE	25yr24hr	12.34	64.53	0.019	12.34	33.83	12.34	32.92
CS-arena 1	CORE	100yr24hr	16.02	5.92	0.001	16.02	38.85	18.17	33.56
CS-arena 1	CORE	10yr24hr	17.53	3.40	0.000	17.53	38.02	18.19	33.04
CS-arena 1	CORE	2.33yr24hr	20.02	1.62	0.000	20.02	37.29	16.80	32.69
CS-arena 1	CORE	25yr24hr	16.64	4.20	0.001	16.64	38.30	18.61	33.21
CS-Lake-7	CORE	100yr24hr	12.52	54.60	0.013	12.59	35.65	13.01	32.72
CS-Lake-7	CORE	10yr24hr	12.59	37.71	0.008	12.59	35.17	17.02	32.07
CS-Lake-7	CORE	2.33yr24hr	12.70	19.81	0.005	12.70	34.74	14.02	31.48
CS-Lake-7	CORE	25yr24hr	12.57	44.80	0.009	12.57	35.31	13.01	32.34
CS-Pond 7	CORE	100yr24hr	13.45	23.57	-0.271	13.44	32.86	19.07	32.48
CS-Pond 7	CORE	10yr24hr	13.90	14.75	0.453	13.60	32.33	19.55	31.77
CS-Pond 7	CORE	2.33yr24hr	13.85	7.36	-0.006	13.95	31.83	20.08	31.30
CS-Pond 7	CORE	25yr24hr	13.53	17.84	0.116	13.51	32.51	18.59	31.99
CS-W22	CORE	100yr24hr	25.92	23.99	-0.245	19.07	32.48	18.88	31.92
CS-W22	CORE	10yr24hr	21.01	17.81	0.201	19.55	31.77	19.61	31.23
CS-W22	CORE	2.33yr24hr	20.98	12.23	0.233	20.08	31.30	19.69	30.94
CS-W22	CORE	25yr24hr	18.07	20.42	0.301	18.59	31.99	19.42	31.35
D_HH00012a	CORE	100yr24hr	12.50	23.57	-0.005	12.50	31.89	18.57	31.63
D_HH00012a	CORE	10yr24hr	12.73	17.57	0.002	12.73	31.53	19.39	29.98
D_HH00012a	CORE	2.33yr24hr	12.73	17.57	0.002	12.73	31.53	19.38	29.88
D_HH00012a	CORE	25yr24hr	12.73	17.57	0.002	12.73	31.53	19.39	30.03
DITCH 2	CORE	100yr24hr	18.33	276.42	-13.558	17.50	32.61	17.50	32.33
DITCH 2	CORE	10yr24hr	18.50	216.34	-14.482	17.03	32.07	17.05	31.75
DITCH 2	CORE	2.33yr24hr	14.50	148.27	-14.434	14.54	31.45	14.65	31.08
DITCH 2	CORE	25yr24hr	18.75	236.75	-14.429	17.28	32.24	17.30	31.93
DITCH 3	CORE	100yr24hr	18.33	276.60	-12.332	17.50	32.27	17.50	32.19
DITCH 3	CORE	10yr24hr	18.50	216.47	-11.732	17.05	31.70	17.05	31.61
DITCH 3	CORE	2.33yr24hr	14.51	148.26	-11.813	14.66	31.04	14.67	30.94
DITCH 3	CORE	25yr24hr	18.75	236.88	-12.010	17.30	31.88	17.30	31.79
DITCH 4	CORE	100yr24hr	18.33	276.63	-12.584	17.50	32.19	16.99	32.11
DITCH 4	CORE	10yr24hr	18.50	216.49	-12.525	17.05	31.61	17.05	31.53
DITCH 4	CORE	2.33yr24hr	14.55	148.20	-12.495	14.67	30.94	14.68	30.86
DITCH 4	CORE	25yr24hr	18.75	236.91	-12.745	17.30	31.79	17.30	31.70
DITCH 5	CORE	100yr24hr	18.33	279.71	32.151	16.99	32.11	16.99	32.01
DITCH 5	CORE	10yr24hr	18.50	218.55	32.151	17.05	31.53	17.04	31.43
DITCH 5	CORE	2.33yr24hr	14.61	149.87	32.151	14.68	30.86	14.70	30.77
DITCH 5	CORE	25yr24hr	18.75	239.25	32.151	17.30	31.70	17.30	31.61
FDOT LAKE	CORE	100yr24hr	14.70	28.60	0.001	19.17	32.96	17.50	32.61
FDOT LAKE	CORE	10yr24hr	14.70	28.60	-0.000	19.50	32.59	17.03	32.07
FDOT LAKE	CORE	2.33yr24hr	14.70	28.60	-0.000	19.00	32.11	14.54	31.45
FDOT LAKE	CORE	25yr24hr	14.70	28.60	-0.000	19.25	32.71	17.28	32.24
Lake 3-D	CORE	100yr24hr	13.08	4.42	0.001	13.08	34.21	16.99	32.11
Lake 3-D	CORE	10yr24hr	12.75	3.08	-0.001	13.25	33.06	17.05	31.53
Lake 3-D	CORE	2.33yr24hr	13.00	1.99	-0.001	13.25	32.04	14.68	30.86
Lake 3-D	CORE	25yr24hr	13.50	3.44	0.000	13.25	33.47	17.30	31.70
Outfall-1	CORE	100yr24hr	23.50	23.16	-1.129	19.17	32.96	17.50	32.61
Outfall-1	CORE	10yr24hr	22.25	25.97	-0.760	19.50	32.59	17.03	32.07
Outfall-1	CORE	2.33yr24hr	21.00	29.62	-0.795	19.00	32.11	14.54	31.45
Outfall-1	CORE	25yr24hr	23.00	24.87	-0.795	19.25	32.71	17.28	32.24

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
P-100	CORE	100yr24hr	12.83	14.03	-0.135	12.66	34.36	12.56	33.95
P-100	CORE	10yr24hr	12.73	11.44	-0.136	12.60	33.75	12.45	33.49
P-100	CORE	2.33yr24hr	12.86	7.37	-0.135	12.66	33.26	12.53	33.15
P-100	CORE	25yr24hr	12.74	13.00	0.071	12.62	33.94	12.45	33.60
P-100 TAV	Tavistock	100yr24hr	13.24	10.20	-8.811	12.10	36.00	12.10	36.05
P-100 TAV	Tavistock	10yr24hr	13.72	11.22	5.983	12.07	34.38	12.07	34.39
P-100 TAV	Tavistock	2.33yr24hr	13.26	10.91	8.269	12.11	33.49	12.10	33.50
P-100 TAV	Tavistock	25yr24hr	13.19	7.62	-8.667	12.07	34.81	12.07	34.85
P-100-10	Tavistock	100yr24hr	12.09	16.02	1.989	12.11	35.27	12.59	34.41
P-100-10	Tavistock	10yr24hr	12.03	10.87	1.978	12.17	34.02	12.56	33.78
P-100-10	Tavistock	2.33yr24hr	12.06	6.86	1.968	12.36	33.31	12.63	33.26
P-100-10	Tavistock	25yr24hr	12.04	12.47	0.801	12.11	34.37	12.56	33.98
P-100-11	Tavistock	100yr24hr	12.08	1.70	0.660	12.11	35.30	12.11	35.27
P-100-11	Tavistock	10yr24hr	12.04	1.16	0.659	12.16	34.03	12.17	34.02
P-100-11	Tavistock	2.33yr24hr	12.05	0.75	0.660	12.36	33.31	12.36	33.31
P-100-11	Tavistock	25yr24hr	12.05	1.33	-0.403	12.11	34.38	12.11	34.37
P-100-12	Tavistock	100yr24hr	12.09	13.62	0.986	12.10	36.01	12.11	35.27
P-100-12	Tavistock	10yr24hr	12.03	9.23	0.984	12.07	34.34	12.17	34.02
P-100-12	Tavistock	2.33yr24hr	12.05	5.81	0.986	12.11	33.39	12.36	33.31
P-100-12	Tavistock	25yr24hr	12.03	10.60	-0.889	12.07	34.79	12.11	34.37
P-100-13	Tavistock	100yr24hr	12.08	13.71	-0.929	12.10	36.77	12.10	36.01
P-100-13	Tavistock	10yr24hr	12.02	9.31	-0.925	12.05	34.68	12.07	34.34
P-100-13	Tavistock	2.33yr24hr	12.05	5.85	-0.922	12.10	33.52	12.11	33.39
P-100-13	Tavistock	25yr24hr	12.02	10.69	0.648	12.05	35.25	12.07	34.79
P-100-14	Tavistock	100yr24hr	12.07	9.72	0.517	12.09	37.54	12.10	36.77
P-100-14	Tavistock	10yr24hr	12.01	6.62	0.517	12.04	35.03	12.05	34.68
P-100-14	Tavistock	2.33yr24hr	12.04	4.15	0.517	12.09	33.66	12.10	33.52
P-100-14	Tavistock	25yr24hr	12.01	7.61	-0.684	12.05	35.71	12.05	35.25
P-100-2	Tavistock	100yr24hr	12.08	34.19	1.833	12.10	35.58	12.66	34.36
P-100-2	Tavistock	10yr24hr	12.03	23.62	1.627	12.09	34.18	12.60	33.75
P-100-2	Tavistock	2.33yr24hr	12.05	16.23	1.833	12.12	33.39	12.66	33.26
P-100-2	Tavistock	25yr24hr	12.03	26.83	-1.215	12.08	34.56	12.62	33.94
P-100-3	Tavistock	100yr24hr	12.07	5.07	-0.514	12.09	36.09	12.10	35.58
P-100-3	Tavistock	10yr24hr	12.02	3.46	-0.709	12.06	34.40	12.09	34.18
P-100-3	Tavistock	2.33yr24hr	12.05	2.16	-0.514	12.10	33.47	12.12	33.39
P-100-3	Tavistock	25yr24hr	12.02	3.97	0.367	12.06	34.86	12.08	34.56
P-100-4	Tavistock	100yr24hr	12.09	20.65	-4.429	12.10	35.92	12.10	35.58
P-100-4	Tavistock	10yr24hr	12.04	14.34	-3.371	12.07	34.34	12.09	34.18
P-100-4	Tavistock	2.33yr24hr	12.05	10.26	-4.429	12.11	33.47	12.12	33.39
P-100-4	Tavistock	25yr24hr	12.04	16.23	3.460	12.07	34.77	12.08	34.56
P-100-5	Tavistock	100yr24hr	12.11	11.43	3.964	12.10	36.00	12.10	35.92
P-100-5	Tavistock	10yr24hr	12.05	8.12	7.460	12.07	34.38	12.07	34.34
P-100-5	Tavistock	2.33yr24hr	10.98	7.96	3.964	12.11	33.49	12.11	33.47
P-100-5	Tavistock	25yr24hr	12.05	8.77	-3.350	12.07	34.81	12.07	34.77
P-100-6	Tavistock	100yr24hr	12.71	1.18	-1.251	12.10	35.94	12.10	35.92
P-100-6	Tavistock	10yr24hr	12.64	1.16	0.678	12.07	34.34	12.07	34.34
P-100-6	Tavistock	2.33yr24hr	12.77	1.07	0.971	12.11	33.47	12.11	33.47
P-100-6	Tavistock	25yr24hr	12.07	0.77	-0.797	12.07	34.77	12.07	34.77
P-100-8	Tavistock	100yr24hr	12.08	19.38	2.059	12.59	34.41	12.66	34.36
P-100-8	Tavistock	10yr24hr	12.03	13.13	1.977	12.56	33.78	12.60	33.75
P-100-8	Tavistock	2.33yr24hr	12.05	8.28	2.059	12.63	33.26	12.66	33.26
P-100-8	Tavistock	25yr24hr	12.03	15.07	1.604	12.56	33.98	12.62	33.94
P-100-9	Tavistock	100yr24hr	12.01	3.46	1.551	12.56	34.42	12.59	34.41
P-100-9	Tavistock	10yr24hr	12.00	2.38	1.547	12.54	33.79	12.56	33.78

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
P-100-9	Tavistock	2.33yr24hr	12.02	1.47	1.545	12.62	33.27	12.63	33.26
P-100-9	Tavistock	25yr24hr	12.00	2.73	0.528	12.54	33.99	12.56	33.98
P-5	CORE	100yr24hr	12.15	21.33	0.116	13.15	35.99	13.29	35.95
P-5	CORE	10yr24hr	12.12	14.56	0.116	13.79	35.15	13.85	35.14
P-5	CORE	2.33yr24hr	12.10	9.27	0.115	14.59	34.38	14.61	34.38
P-5	CORE	25yr24hr	12.13	16.69	0.115	13.66	35.45	13.72	35.43
P-9-10	Tavistock	100yr24hr	12.09	40.11	-7.120	12.13	34.94	12.27	34.50
P-9-10	Tavistock	10yr24hr	12.03	27.16	-8.578	12.18	33.93	12.26	33.76
P-9-10	Tavistock	2.33yr24hr	12.08	16.21	-12.447	12.16	33.34	12.24	33.28
P-9-10	Tavistock	25yr24hr	12.04	31.25	6.840	12.18	34.21	12.27	33.99
P-9-11	Tavistock	100yr24hr	12.09	40.20	13.459	12.12	35.24	12.13	34.94
P-9-11	Tavistock	10yr24hr	12.03	27.22	13.460	12.13	34.05	12.18	33.93
P-9-11	Tavistock	2.33yr24hr	11.78	22.12	13.460	12.13	33.38	12.16	33.34
P-9-11	Tavistock	25yr24hr	12.04	31.32	-14.976	12.12	34.37	12.18	34.21
P-9-12	Tavistock	100yr24hr	12.08	31.31	7.888	12.11	35.51	12.12	35.24
P-9-12	Tavistock	10yr24hr	12.02	21.19	-7.381	12.10	34.16	12.13	34.05
P-9-12	Tavistock	2.33yr24hr	12.08	12.35	-8.854	12.12	33.42	12.13	33.38
P-9-12	Tavistock	25yr24hr	12.03	24.43	7.416	12.09	34.53	12.12	34.37
P-9-13	Tavistock	100yr24hr	12.07	30.11	11.210	12.10	35.77	12.11	35.51
P-9-13	Tavistock	10yr24hr	12.02	20.40	11.210	12.08	34.27	12.10	34.16
P-9-13	Tavistock	2.33yr24hr	12.57	15.99	11.210	12.11	33.46	12.12	33.42
P-9-13	Tavistock	25yr24hr	12.02	23.50	-9.966	12.08	34.68	12.09	34.53
P-9-14	Tavistock	100yr24hr	12.07	26.33	9.026	12.10	35.99	12.10	35.77
P-9-14	Tavistock	10yr24hr	12.02	17.67	-10.449	12.07	34.37	12.08	34.27
P-9-14	Tavistock	2.33yr24hr	12.08	9.06	10.742	12.10	33.49	12.11	33.46
P-9-14	Tavistock	25yr24hr	12.02	20.66	6.269	12.07	34.81	12.08	34.68
P-9-15	Tavistock	100yr24hr	13.15	12.48	8.154	12.10	36.05	12.10	35.99
P-9-15	Tavistock	10yr24hr	13.83	12.07	8.715	12.07	34.40	12.07	34.37
P-9-15	Tavistock	2.33yr24hr	13.12	12.14	8.154	12.11	33.53	12.10	33.49
P-9-15	Tavistock	25yr24hr	13.03	10.32	-9.936	12.07	34.83	12.07	34.81
P-9-16	Tavistock	100yr24hr	14.60	13.29	-5.566	12.10	36.05	12.10	36.05
P-9-16	Tavistock	10yr24hr	13.02	8.26	-10.035	12.07	34.39	12.07	34.40
P-9-16	Tavistock	2.33yr24hr	0.00	0.00	-5.566	12.10	33.50	12.11	33.53
P-9-16	Tavistock	25yr24hr	14.09	13.39	8.162	12.07	34.85	12.07	34.83
P-9-18	Tavistock	100yr24hr	12.11	22.99	-2.234	12.27	34.58	12.37	34.27
P-9-18	Tavistock	10yr24hr	12.08	15.97	-2.252	12.26	33.80	12.32	33.64
P-9-18	Tavistock	2.33yr24hr	12.09	10.62	-2.271	12.22	33.31	12.28	33.24
P-9-18	Tavistock	25yr24hr	12.08	18.11	-2.142	12.27	34.03	12.34	33.83
P-9-19	Tavistock	100yr24hr	12.11	23.08	3.841	12.15	35.80	12.27	34.58
P-9-19	Tavistock	10yr24hr	12.07	16.02	3.816	12.14	34.36	12.26	33.80
P-9-19	Tavistock	2.33yr24hr	12.09	10.66	3.787	12.13	33.56	12.22	33.31
P-9-19	Tavistock	25yr24hr	12.08	18.17	1.287	12.15	34.76	12.27	34.03
P-9-20	Tavistock	100yr24hr	12.08	1.63	0.897	12.15	35.82	12.15	35.80
P-9-20	Tavistock	10yr24hr	12.04	1.13	0.744	12.14	34.37	12.14	34.36
P-9-20	Tavistock	2.33yr24hr	3.76	1.08	0.744	12.13	33.56	12.13	33.56
P-9-20	Tavistock	25yr24hr	12.05	1.28	-0.688	12.15	34.77	12.15	34.76
P-9-22	Tavistock	100yr24hr	12.09	8.23	-0.955	12.12	36.77	12.15	36.13
P-9-22	Tavistock	10yr24hr	12.02	5.68	-0.944	12.11	34.81	12.13	34.52
P-9-22	Tavistock	2.33yr24hr	12.08	3.69	-0.499	12.11	33.76	12.13	33.62
P-9-22	Tavistock	25yr24hr	12.02	6.47	-0.955	12.11	35.34	12.14	34.96
P-9-23	Tavistock	100yr24hr	12.06	8.40	0.248	12.11	37.42	12.12	36.77
P-9-23	Tavistock	10yr24hr	12.01	5.82	0.202	12.08	35.11	12.11	34.81
P-9-23	Tavistock	2.33yr24hr	12.04	3.74	0.202	12.10	33.89	12.11	33.76
P-9-23	Tavistock	25yr24hr	12.01	6.65	0.277	12.09	35.72	12.11	35.34

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
P-9-24	Tavistock	100yr24hr	12.15	11.84	-1.363	12.15	36.93	12.15	36.13
P-9-24	Tavistock	10yr24hr	12.10	8.26	-1.320	12.12	34.90	12.13	34.52
P-9-24	Tavistock	2.33yr24hr	12.11	5.50	-0.778	12.12	33.80	12.13	33.62
P-9-24	Tavistock	25yr24hr	12.11	9.36	-1.369	12.13	35.46	12.14	34.96
P-9-25	Tavistock	100yr24hr	12.09	8.48	0.573	12.14	37.34	12.15	36.93
P-9-25	Tavistock	10yr24hr	12.05	5.84	0.555	12.11	35.10	12.12	34.90
P-9-25	Tavistock	2.33yr24hr	12.08	3.88	0.555	12.11	33.88	12.12	33.80
P-9-25	Tavistock	25yr24hr	12.05	6.63	0.533	12.12	35.71	12.13	35.46
P-9-26	Tavistock	100yr24hr	12.16	1.30	0.594	12.14	37.35	12.14	37.34
P-9-26	Tavistock	10yr24hr	12.11	0.90	0.432	12.11	35.11	12.11	35.10
P-9-26	Tavistock	2.33yr24hr	12.11	0.60	-0.292	12.11	33.89	12.11	33.88
P-9-26	Tavistock	25yr24hr	12.12	1.02	0.495	12.12	35.72	12.12	35.71
P-9-27	Tavistock	100yr24hr	12.08	5.99	0.447	12.13	37.73	12.14	37.34
P-9-27	Tavistock	10yr24hr	12.01	4.14	0.373	12.10	35.28	12.11	35.10
P-9-27	Tavistock	2.33yr24hr	12.08	2.69	-0.324	12.11	33.97	12.11	33.88
P-9-27	Tavistock	25yr24hr	12.01	4.72	0.405	12.11	35.95	12.12	35.71
P-9-28	Tavistock	100yr24hr	12.19	3.73	0.827	12.15	37.07	12.15	36.93
P-9-28	Tavistock	10yr24hr	12.15	2.56	0.401	12.12	34.98	12.12	34.90
P-9-28	Tavistock	2.33yr24hr	12.14	1.71	0.401	12.12	33.83	12.12	33.80
P-9-28	Tavistock	25yr24hr	12.16	2.91	-0.346	12.13	35.55	12.13	35.46
P-9-29	Tavistock	100yr24hr	12.20	0.84	-0.777	12.15	37.08	12.15	37.07
P-9-29	Tavistock	10yr24hr	12.94	0.61	-0.499	12.12	34.98	12.12	34.98
P-9-29	Tavistock	2.33yr24hr	12.14	0.38	-0.259	12.12	33.83	12.12	33.83
P-9-29	Tavistock	25yr24hr	12.17	0.65	0.587	12.13	35.55	12.13	35.55
P-9-30	Tavistock	100yr24hr	12.19	1.96	0.686	12.15	37.14	12.15	37.07
P-9-30	Tavistock	10yr24hr	12.14	1.35	0.514	12.12	35.01	12.12	34.98
P-9-30	Tavistock	2.33yr24hr	12.14	0.90	0.207	12.12	33.84	12.12	33.83
P-9-30	Tavistock	25yr24hr	12.16	1.53	0.603	12.13	35.59	12.13	35.55
P-9-31	Tavistock	100yr24hr	12.20	0.93	0.832	12.15	37.15	12.15	37.14
P-9-31	Tavistock	10yr24hr	12.15	0.64	0.577	12.12	35.01	12.12	35.01
P-9-31	Tavistock	2.33yr24hr	12.14	0.43	0.366	12.12	33.84	12.12	33.84
P-9-31	Tavistock	25yr24hr	12.16	0.73	0.496	12.13	35.60	12.13	35.59
P-9-32	Tavistock	100yr24hr	12.11	8.17	-2.141	12.12	35.44	12.12	35.24
P-9-32	Tavistock	10yr24hr	12.06	5.54	-2.141	12.11	34.14	12.13	34.05
P-9-32	Tavistock	2.33yr24hr	12.09	3.51	-3.612	12.12	33.42	12.13	33.38
P-9-32	Tavistock	25yr24hr	12.06	6.35	3.239	12.10	34.49	12.12	34.37
P-9-33	Tavistock	100yr24hr	12.10	8.20	1.142	12.11	35.76	12.12	35.44
P-9-33	Tavistock	10yr24hr	12.05	5.58	1.142	12.09	34.28	12.11	34.14
P-9-33	Tavistock	2.33yr24hr	12.08	3.54	1.142	12.11	33.48	12.12	33.42
P-9-33	Tavistock	25yr24hr	12.05	6.39	-1.008	12.09	34.68	12.10	34.49
P-9-34	Tavistock	100yr24hr	12.07	7.32	-0.474	12.10	36.18	12.11	35.76
P-9-34	Tavistock	10yr24hr	12.00	5.01	-0.474	12.07	34.47	12.09	34.28
P-9-34	Tavistock	2.33yr24hr	12.05	3.13	-0.474	12.10	33.55	12.11	33.48
P-9-34	Tavistock	25yr24hr	12.00	5.76	0.597	12.07	34.93	12.09	34.68
P-9-35	Tavistock	100yr24hr	12.17	0.69	-0.294	12.12	35.77	12.11	35.76
P-9-35	Tavistock	10yr24hr	12.13	0.37	0.347	12.09	34.28	12.09	34.28
P-9-35	Tavistock	2.33yr24hr	12.53	0.32	-0.294	12.11	33.48	12.11	33.48
P-9-35	Tavistock	25yr24hr	12.15	0.44	0.343	12.09	34.68	12.09	34.68
P-9-36	Tavistock	100yr24hr	12.79	0.54	0.704	12.12	35.77	12.12	35.77
P-9-36	Tavistock	10yr24hr	12.93	0.57	0.394	12.09	34.28	12.09	34.28
P-9-36	Tavistock	2.33yr24hr	3.76	0.41	0.394	12.11	33.48	12.11	33.48
P-9-36	Tavistock	25yr24hr	12.14	0.26	0.513	12.09	34.68	12.09	34.68
P-9-37	Tavistock	100yr24hr	12.07	6.66	-1.249	12.09	36.55	12.10	35.99
P-9-37	Tavistock	10yr24hr	12.01	4.55	1.212	12.05	34.62	12.07	34.37

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
P-9-37	Tavistock	2.33yr24hr	12.05	2.93	1.212	12.10	33.59	12.10	33.49
P-9-37	Tavistock	25yr24hr	12.02	5.20	-1.038	12.06	35.14	12.07	34.81
P-9-38	Tavistock	100yr24hr	14.51	1.11	0.914	12.10	36.06	12.10	36.05
P-9-38	Tavistock	10yr24hr	12.06	0.36	-0.828	12.07	34.40	12.07	34.40
P-9-38	Tavistock	2.33yr24hr	12.53	0.13	-0.699	12.11	33.52	12.11	33.53
P-9-38	Tavistock	25yr24hr	11.56	1.33	0.890	12.07	34.85	12.07	34.83
P-9-39	Tavistock	100yr24hr	12.10	12.18	-4.302	12.10	36.33	12.10	36.05
P-9-39	Tavistock	10yr24hr	12.04	8.44	2.460	12.06	34.53	12.07	34.39
P-9-39	Tavistock	2.33yr24hr	12.09	5.77	3.526	12.10	33.56	12.10	33.50
P-9-39	Tavistock	25yr24hr	12.04	9.16	-2.624	12.06	35.01	12.07	34.85
P-9-40	Tavistock	100yr24hr	12.17	1.15	0.745	12.10	36.35	12.10	36.33
P-9-40	Tavistock	10yr24hr	12.10	0.64	-0.597	12.06	34.53	12.06	34.53
P-9-40	Tavistock	2.33yr24hr	12.53	0.42	-0.573	12.10	33.56	12.10	33.56
P-9-40	Tavistock	25yr24hr	12.12	0.77	0.483	12.07	35.02	12.06	35.01
P-9-41	Tavistock	100yr24hr	13.24	0.57	0.600	12.10	36.35	12.10	36.35
P-9-41	Tavistock	10yr24hr	12.98	0.46	0.352	12.06	34.54	12.06	34.53
P-9-41	Tavistock	2.33yr24hr	12.64	0.38	0.347	12.10	33.56	12.10	33.56
P-9-41	Tavistock	25yr24hr	12.12	0.36	0.471	12.07	35.02	12.07	35.02
P-9-42	Tavistock	100yr24hr	12.08	5.80	-0.727	12.10	36.66	12.10	36.33
P-9-42	Tavistock	10yr24hr	12.02	3.94	0.986	12.06	34.68	12.06	34.53
P-9-42	Tavistock	2.33yr24hr	12.06	2.47	-0.652	12.10	33.62	12.10	33.56
P-9-42	Tavistock	25yr24hr	12.02	4.52	0.716	12.06	35.21	12.06	35.01
P-9-43	Tavistock	100yr24hr	14.47	1.85	-0.992	12.26	34.52	12.27	34.50
P-9-43	Tavistock	10yr24hr	12.00	1.18	-0.992	12.26	33.77	12.26	33.76
P-9-43	Tavistock	2.33yr24hr	12.07	0.75	-1.591	12.24	33.28	12.24	33.28
P-9-43	Tavistock	25yr24hr	11.34	1.86	1.820	12.27	34.00	12.27	33.99
P-9-9	Tavistock	100yr24hr	12.09	42.67	-11.988	12.27	34.50	12.37	34.27
P-9-9	Tavistock	10yr24hr	12.03	28.94	5.774	12.26	33.76	12.32	33.64
P-9-9	Tavistock	2.33yr24hr	12.08	17.36	5.775	12.24	33.28	12.28	33.24
P-9-9	Tavistock	25yr24hr	12.04	33.27	-10.011	12.27	33.99	12.34	33.83
P-BB-1	CORE	100yr24hr	12.48	32.45	-24.624	16.69	32.56	19.07	32.48
P-BB-1	CORE	10yr24hr	13.77	22.35	-24.624	17.76	31.87	19.55	31.77
P-BB-1	CORE	2.33yr24hr	13.94	9.98	-24.624	19.47	31.34	20.08	31.30
P-BB-1	CORE	25yr24hr	12.99	29.84	-24.624	17.14	32.09	18.59	31.99
P03-BR	CORE	100yr24hr	11.27	19.23	-21.698	18.88	31.92	18.88	31.88
P03-BR	CORE	10yr24hr	21.06	10.58	3.883	19.61	31.23	19.61	31.21
P03-BR	CORE	2.33yr24hr	59.11	19.25	22.590	19.69	30.94	19.69	30.93
P03-BR	CORE	25yr24hr	11.82	12.18	-14.228	19.42	31.35	19.44	31.32
P03-BRc	CORE	100yr24hr	16.03	11.47	-5.856	18.88	31.92	18.88	31.88
P03-BRc	CORE	10yr24hr	20.91	7.23	4.839	19.61	31.23	19.61	31.21
P03-BRc	CORE	2.33yr24hr	28.75	4.88	-7.798	19.69	30.94	19.69	30.93
P03-BRc	CORE	25yr24hr	18.14	8.38	4.839	19.42	31.35	19.44	31.32
P07-BR	CORE	100yr24hr	1.67	3.79	-27.083	13.00	33.29	15.00	34.66
P07-BR	CORE	10yr24hr	4.00	3.85	-26.863	13.02	33.26	16.00	34.38
P07-BR	CORE	2.33yr24hr	4.00	3.85	-26.863	16.00	33.25	16.00	34.38
P07-BR	CORE	25yr24hr	4.00	3.85	-26.863	13.01	33.27	16.00	34.38
P_HH00015A	CORE	100yr24hr	15.03	109.72	6.547	18.57	31.63	16.74	29.81
P_HH00015A	CORE	10yr24hr	19.46	47.29	-5.482	19.39	29.98	17.16	29.23
P_HH00015A	CORE	2.33yr24hr	13.10	45.87	-5.488	19.38	29.88	17.16	29.23
P_HH00015A	CORE	25yr24hr	19.46	48.57	-5.622	19.39	30.03	17.16	29.23
P_HH00015B	CORE	100yr24hr	16.32	90.13	-0.027	18.57	31.63	16.74	29.81
P_HH00015B	CORE	10yr24hr	19.58	52.62	0.009	19.39	29.98	17.16	29.23
P_HH00015B	CORE	2.33yr24hr	19.55	49.56	0.008	19.38	29.88	17.16	29.23
P_HH00015B	CORE	25yr24hr	19.59	54.06	0.012	19.39	30.03	17.16	29.23

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
P_HH09005a	CORE	100yr24hr	18.03	10.71	0.184	18.17	33.56	13.41	33.10
P_HH09005a	CORE	10yr24hr	18.08	6.68	0.169	18.19	33.04	13.83	32.88
P_HH09005a	CORE	2.33yr24hr	18.74	3.89	0.169	16.80	32.69	14.11	32.65
P_HH09005a	CORE	25yr24hr	18.55	7.97	0.169	18.61	33.21	13.64	32.95
P_HH09040A	CORE	100yr24hr	12.54	26.79	0.941	13.01	32.72	17.50	32.61
P_HH09040A	CORE	10yr24hr	12.64	19.76	0.941	17.02	32.07	17.03	32.07
P_HH09040A	CORE	2.33yr24hr	12.71	10.59	0.941	14.02	31.48	14.54	31.45
P_HH09040A	CORE	25yr24hr	12.58	22.77	0.941	13.01	32.34	17.28	32.24
P_HH09040B	CORE	100yr24hr	12.63	25.47	0.584	13.01	32.72	17.50	32.61
P_HH09040B	CORE	10yr24hr	12.63	17.92	0.584	17.02	32.07	17.03	32.07
P_HH09040B	CORE	2.33yr24hr	12.71	9.21	0.584	14.02	31.48	14.54	31.45
P_HH09040B	CORE	25yr24hr	12.60	21.15	0.584	13.01	32.34	17.28	32.24
W-6A	CORE	100yr24hr	13.23	5.46	-0.003	13.29	35.95	18.17	33.56
W-6A	CORE	10yr24hr	13.85	3.27	0.000	13.85	35.14	18.19	33.04
W-6A	CORE	2.33yr24hr	14.61	1.59	0.000	14.61	34.38	16.80	32.69
W-6A	CORE	25yr24hr	13.72	4.02	-0.002	13.72	35.43	18.61	33.21
W-6B	CORE	100yr24hr	13.29	1.10	0.000	13.29	35.95	18.17	33.56
W-6B	CORE	10yr24hr	0.00	0.00	0.000	13.85	35.14	18.19	33.04
W-6B	CORE	2.33yr24hr	0.00	0.00	0.000	14.61	34.38	16.80	32.69
W-6B	CORE	25yr24hr	0.00	0.00	0.000	13.72	35.43	18.61	33.21
W01-BR	CORE	100yr24hr	12.48	20.87	1.121	13.02	33.21	12.98	33.13
W01-BR	CORE	10yr24hr	13.76	19.00	0.437	13.23	32.93	13.16	32.86
W01-BR	CORE	2.33yr24hr	15.76	8.61	0.009	14.06	32.65	13.92	32.58
W01-BR	CORE	25yr24hr	12.96	23.00	0.725	12.94	33.02	12.94	32.95
W06-BR	CORE	100yr24hr	0.00	0.00	3.967	12.32	33.25	13.00	33.29
W06-BR	CORE	10yr24hr	0.00	0.00	-1.561	13.02	33.22	13.02	33.26
W06-BR	CORE	2.33yr24hr	0.00	0.00	-1.386	13.08	33.22	16.00	33.25
W06-BR	CORE	25yr24hr	0.00	0.00	-2.472	12.40	33.23	13.01	33.27
W_HH01013C	CORE	100yr24hr	12.32	54.85	0.011	12.32	33.25	16.70	30.06
W_HH01013C	CORE	10yr24hr	13.02	41.51	0.007	13.02	33.22	13.70	29.84
W_HH01013C	CORE	2.33yr24hr	13.08	37.78	0.005	13.08	33.22	13.70	29.84
W_HH01013C	CORE	25yr24hr	12.40	44.01	0.008	12.40	33.23	13.70	29.84
W_HH02030	CORE	100yr24hr	15.20	191.46	-0.076	18.56	31.67	18.57	31.63
W_HH02030	CORE	10yr24hr	12.73	91.28	0.015	12.73	30.86	19.39	29.98
W_HH02030	CORE	2.33yr24hr	12.73	91.28	0.015	12.73	30.86	19.38	29.88
W_HH02030	CORE	25yr24hr	12.73	91.29	0.015	12.73	30.86	19.39	30.03
W_HH09015C	CORE	100yr24hr	13.31	59.54	0.011	13.31	33.06	16.70	30.06
W_HH09015C	CORE	10yr24hr	13.44	24.62	0.006	13.44	32.88	13.70	29.84
W_HH09015C	CORE	2.33yr24hr	14.10	3.49	0.001	14.10	32.65	13.70	29.84
W_HH09015C	CORE	25yr24hr	13.20	33.17	0.008	13.20	32.93	13.70	29.84

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5. PROPOSED CONDITIONS MODEL (PCM)

5A. PCM BASIN MAP

5B. PCM HYDROLOGY CALCULATIONS

5C. PCM NODE/LINK MAP

5D. PCM ICPR INPUT REPORT

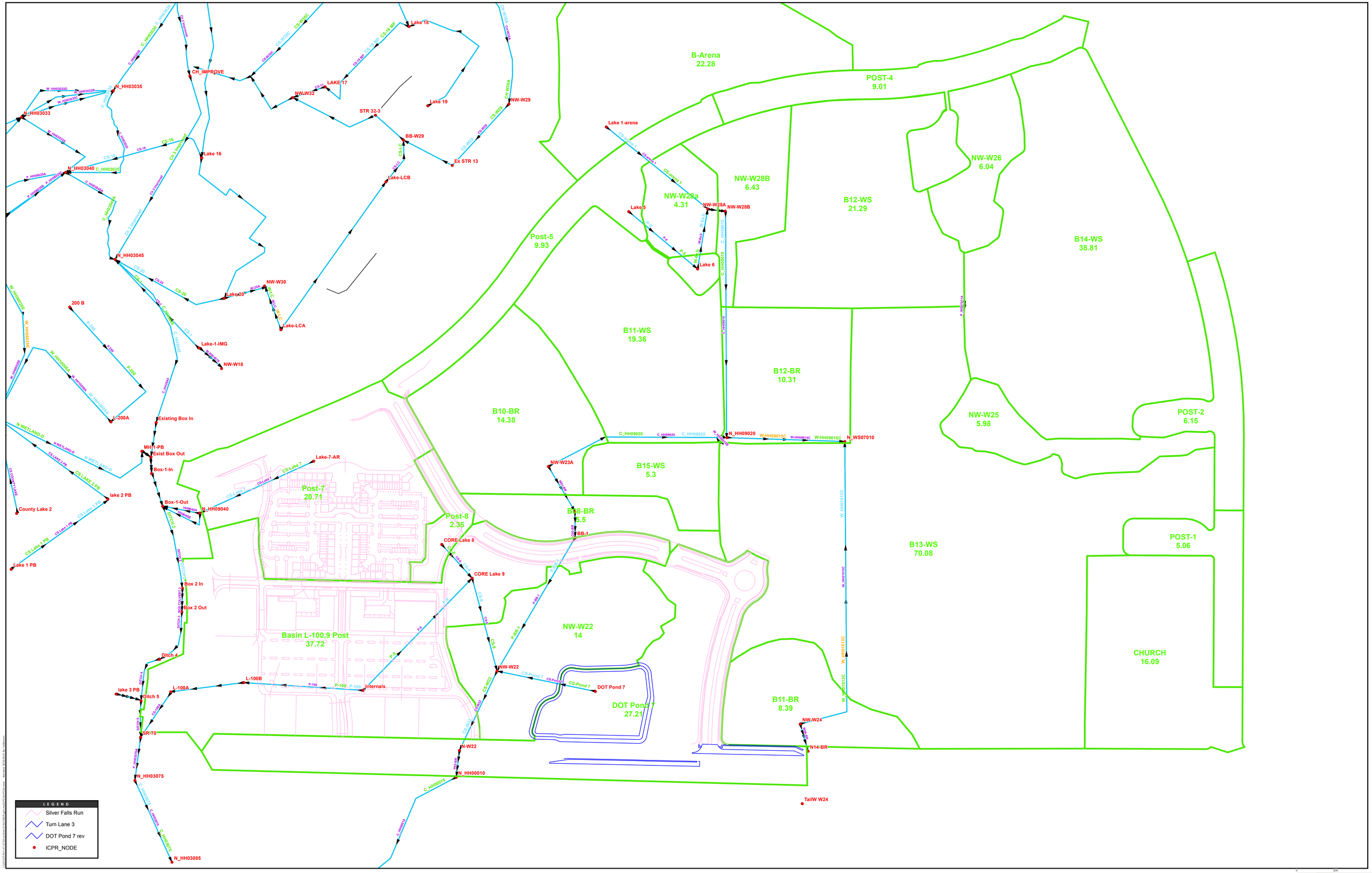
5E. PCM ICPR BASIN SUMMARY

5F. PCM ICPR NODE MAXIMUM CONDITIONS REPORT

5G. PCM ICPR LINK MAXIMUM CONDITIONS REPORT

5H. POST-DEVELOPED DISCHARGE RATE / PRE-POST COMPARISON

5I. WETLAND NW-W22 RECM-PCM HYDROPERIOD ANALYSIS



Stantec

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Notes:
1. Coordinate System: NAD 1983 HARN StatePlane Florida West FIPS 0902 Feet
2. Source data:
3. Imagery:

Lakewood Centre - CORE

FDOT PCM BASIN EXHIBIT
March 2018

Stantec Consulting Services Inc.
6900 Professional Parkway East
Sarasota, FL 34240
tel 941.907.6900
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N

0 200 400 Feet

Prepared by: T.R.W. 3/21/18

Plotted: 3/21/2018 by Tallman
W:\PROJECTS\193704\Active\193704000\gis\mxd\CORE\CORE.mxd

5. PROPOSED CONDITIONS MODEL (PCM)

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Basin Curve Number and Rational Coefficient Calculcations for Lakewood Centre CORE

Curve Number = 'CN' = (P * 78 + I * 98 + Lake * 100) / A

Rational Coefficient = 'C' = (P *.2 + I * .95 + Lake *1.00) / A

Composite 'C' = ∑ CA / ∑ A

Braden River - LWC CORE

Basin Name	Basin Area (Ac.)	Impervious Area (Ac.)	Pervious Area	Lake Area	Proposed Lake	Curve Number	Rational Coefficient "C"	CA
Post 7	*20.71*	13.19	5.18	*2.34*		*89*	*0.77*	*15.91*
Post 8	*2.35*	1.33	0.59	*0.43*		*89*	*0.77*	*1.81*
Post 9	*6.78*	4.34	1.70	*0.75*		*89*	*0.77*	5.21
B-100	9.07	4.66	2.27	2.14		*89*	*0.77*	7.02
100-2	1.5	1.35	0.15			*91*	*0.88*	1.31
100-3	0.91	0.68	0.23			*91*	*0.76*	0.69
100-4	1.49	1.34	0.15			*91*	*0.88*	1.30
100-5	0.14	0.11	0.04			*91*	*0.76*	0.11
100-6	*0.18*	0.16	0.02			*91*	*0.88*	0.16
100-9	*0.62*	0.47	0.16			*91*	*0.76*	0.47
100-10	*0.14*	0.11	0.04			*91*	*0.76*	0.11
100-11	*0.31*	0.28	0.03			*91*	*0.88*	0.27
100-13	*0.72*	0.54	0.18			*91*	*0.76*	0.55
100-14	*1.73*	1.30	0.43			*91*	*0.76*	1.32
9-9	*0.17*	0.15	0.02			*91*	*0.88*	0.15
9-11	*0.16*	0.12	0.04			*91*	*0.76*	0.12
9-12	*0.23*	0.17	0.06			*91*	*0.76*	0.18
9-13	*0.67*	0.60	0.07			*91*	*0.88*	0.59
9-14	*1.48*	1.33	0.15			*91*	*0.88*	1.30
9-15	*1.46*	1.31	0.15			*91*	*0.88*	1.28
9-16	*0.13*	0.10	0.03			*91*	*0.76*	0.10
9-19	*0.33*	0.30	0.03			*91*	*0.88*	0.29
9-20	*0.31*	0.28	0.03			*91*	*0.88*	0.27
9-23	*1.49*	1.34	0.15			*91*	*0.88*	1.30
9-25	*0.26*	0.23	0.03			*91*	*0.88*	0.23
9-26	*0.25*	0.23	0.03			*91*	*0.88*	0.22
9-27	*1.08*	0.97	0.11			*91*	*0.88*	0.95
9-28	*0.18*	0.16	0.02			*91*	*0.88*	0.16
9-29	*0.16*	0.14	0.02			*91*	*0.88*	0.14
9-30	*0.2*	0.18	0.02			*91*	*0.88*	0.18
9-31	*0.18*	0.16	0.02			*91*	*0.88*	0.16
9-33	*0.11*	0.08	0.03			*91*	*0.76*	0.08
9-34	*1.31*	0.98	0.33			*91*	*0.76*	1.00
9-35	*0.04*	0.03	0.01			*91*	*0.76*	0.03
9-36	*0.06*	0.05	0.02			*91*	*0.76*	0.05
9-37	*1.19*	0.89	0.30			*91*	*0.76*	0.91
9-38	*0.18*	0.16	0.02			*91*	*0.88*	0.16
9-39	*0.98*	0.74	0.25			*91*	*0.76*	0.75
9-40	*0.09*	0.07	0.02			*91*	*0.76*	0.07
9-41	*0.08*	0.06	0.02			*91*	*0.76*	0.06
9-42	*1.04*	0.78	0.26			*91*	*0.76*	0.79
9-43	*0.31*	0.23	0.08			*91*	*0.76*	0.24

Lake 100 Total	**40.07**	**28.51**	**8.24**	**3.32**	**0.00**	*91*	***0.80***	**32.06**
B10-BR	14.38					*64*		
B11-WS	19.36					*64*		
B08-BR	5.5					*61*		
NW-W22	14					*61*		
Post-5	9.93					*90*		
NW-W28A	4.31					*86*		
NW-W28B	6.43					*68*		
B15-WS	5.3					*61*		

Braden River - LWC CORE

Basin Name	Basin Area (Ac.)	Impervious Area (Ac.)	Pervious Area (Ac.)	Lake Area	Proposed Lake	Curve Number "CN"	Rational Coefficient "C"	CA
DOT Pond 7	16.68	9.17	5.30	2.22		91.28	0.72	11.99
Lake Expansion	10.51	6.52	2.58	1.43				
DOT Total	27.21	15.69	7.88	3.65		91.82	0.74	20.13

WET DETENTION TREATMENT
CONSERVATION DESIGN POOL BELOW SHWL WITHOUT DISCHARGE

Node No.: DOT Pond 7

I. TREATMENT VOLUME (Q)

Total Basin Area	27.21	Ac.
On-site Runoff	1.50	in.
Treatment Volume (Q) =	**3.40**	**Ac-Ft**

The Treatment Volume is the sum of a specified on-site runoff with corresponding off-site rainfall, offsite runoff is computed using rational coefficient (c).

II. PERMANENT WET POOL VOLUME (Vb)

Calculate the 14 day Residence Volume and the minimum runoff of 0.667 inches, and define the larger of the two as the Permanent Wet Pool Volume.

a) 14 DAY RESIDENCE VOUME (Vr)

Vr = (A) (C) (P) (R) (1FT/12IN)

where,

A = Total Basin Area
C = Composite Rational Runoff Coefficient
P = Historic average wet season rainfall rate for the project area
R = Residence Time = 14 days

A = 27.21 Ac

Basin	Assumptions	C	Area (ac)	CA
Basin 2	See CN calculations in LWC Core CN	0.74	27.21	20.13
	Total		**27.21**	**20.13**

Composite C = Total Product / Total Area = Composite C = **0.74**

P = 31.04 in/122 days
R = 14 days

Vr = 5.97 Ac-Ft

b) 0.667 INCHES MINIMUM RUNOFF VOLUME (Vmin)

Vmin = 1.51 Ac-Ft

Vmin indicates 0.667 inches of runoff over the entire drainage area (project site + offsite)

Compare Vr to Vmin , the Permanent Wet Pool Volume (Vb) is the larger of the two

Vb = 5.97 Ac-Ft

III. WET DETENTION SYSTEM DESIGN POOL VOLUME (Vt)

The Wet Detention Design Pool Volume (Vt) is the sum of the Treatment Volume (Q) and the Permanent Wet Pool Volume (Vb)

Vt =Q+Vb =	**9.38 Ac-Ft**

Volume provided = Vr = 3*(A6) + 5*(A17)

A6 =	3.40 ac.
A17 =	3.00 ac.
Vr =	**25.20 Ac-ft**

Vr > Vt, Lake meets volume requirements.

IV. MINIMUM POND AREA (As)

Minimum pond area for alternative 3, based on treatment volume below control elevation of "u"-notch weir, is 0.5 inch of runoff and 10 inch maximum head or based on storing the wet detention design pool volume from shwl to a maximum depth of 8 feet.

a) Calculate Storage volume for 0.5 inch of runoff (Vw)

Drainage Area	27.21 Ac.
Runoff	0.5 in

Vw =	1.13 Ac-Ft

b) Calculate min. pond area based on 10 in. max. head fluctuation for a 0.5 in. runoff

As = Vw / (10 in * 1 Ft/ 12 in)

As =	1.36 Ac.

c) Calculate min. pond area based on design pool volume at a max. depths

Calculate for a max. depth of 8 feet

As = (Vt) / 8

As =	1.172 Ac

Therefore, pond is OK!

Therefore, the correct minimum pond area, is the larger of the two As values computed above.

As = 1.361 Ac.

Compare minimum pond area to actual pond area at NWL

Anwl = 3.65 Ac.

greater than (>) Minimum Pond area.

V. NOTCH WEIR DIMENSION CALCULATIONS

a) Determine the stage elevation for 0.5 in of runoff over the drainage area.

The detention Volume for 0.5 in of runoff as calculated (Vw)

Vw = 1.13 Ac-Ft

3.65 Ac

Area of Pond at NWL = Anwl =

"H" is the stage elevation above the NWL, for the storage of the corresponding Vw detention Vol.

H = Vw/Anwl

H = 0.31 Ft

Calculate the flow rate at full head for Notch weir (Q1)

Q1 = CLH^1.5

Where, C - weir coefficient, 3.2

L - weir length, assumed to be 1 ft , to speci

Q1 =	0.55	CFS/Ft
Q2 =	0.36	CFS/Ft
Q3 =	0.20	CFS/Ft
Q4 =	0.07	CFS/Ft
Q5 =	0.00	CFS/Ft

Calculate the flow rate at full head for Notch weir (Q1)
Calculate the flow rate at 75% head for Notch weir (Q2)
Calculate the flow rate at 50% head for Notch weir (Q3)
Calculate the flow rate at 25% head for Notch weir (Q4) 49386 Cu-FT
Calculate the flow rate at 0% head for Notch weir (Q5) 86400 Seconds

Average Flow Rate Qav = (Q1+Q2+Q3+Q4+Q5)/5

Qav = 0.24 CFS/Ft

Detention Volume Vw = 1.13 Ac-ft or
Detention Time T = 24 Hrs or

Required Average Rate of Discharge: Qr = Vw / T

Qr = 0.57 CFS

30.84 Ft - NGVD (ie NWL)
31.15 Ft - NGVD

Calculate the length of the required 'U' notch weir: L = Qr/Qav

L = 2.42 Ft

Notes: Set First stage "U" notch weir at
Set Second Stage Rectangular Weir at

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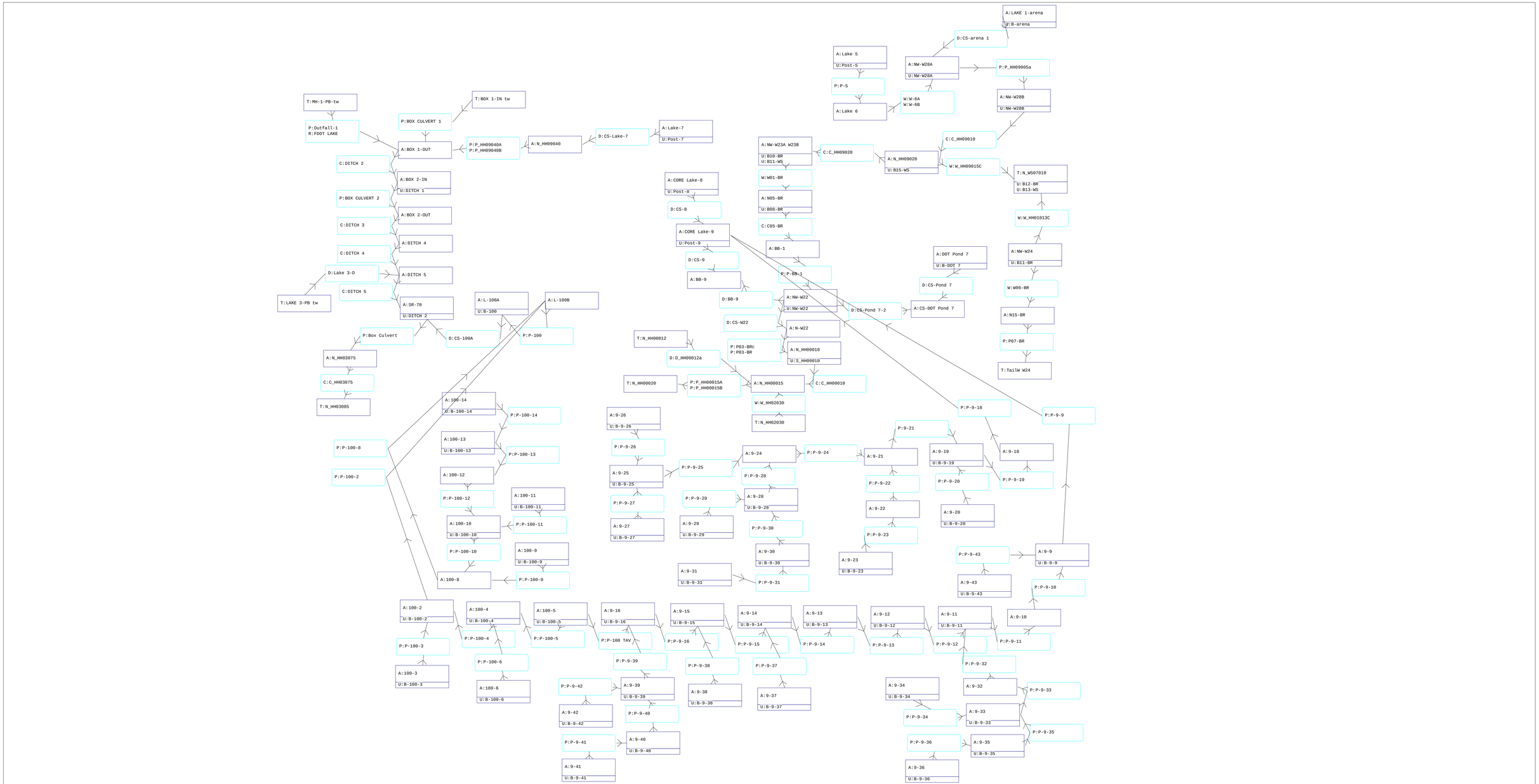
5H. POST-DEVELOPED DISCHARGE RATE / PRE-POST COMPARISON

5I. WETLAND NW-W22 RECM-PCM HYDROPERIOD ANALYSIS

Nodes
A Stage/Area
V Stage/Volume
T Time/Stage
M Manhole

Basins
O Overland Flow
U SCS Unit CN
S SBUH CN
Y SCS Unit GA
Z SBUH GA

Links
P Pipe
W Weir
C Channel
D Drop Structure
B Bridge
R Rating Curve
H Breach
E Percolation
F Filter
X Exfil Trench



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5I. WETLAND NW-W22 RECM-PCM HYDROPERIOD ANALYSIS

```
================================================================================
==== Basins ====================================================================
================================================================================

         Name: B-100                    Node: L-100A                Status: Onsite
        Group: CORE                     Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                   Peaking Factor: 256.0
          Rainfall File: Flmod                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 8.500                  Time of Conc(min): 16.80
              Area(ac): 9.070                     Time Shift(hrs): 0.00
          Curve Number: 92.00                Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00

0.3 acres added to the south of Lake 100 B.

--------------------------------------------------------------------------------
         Name: B-100-10                 Node: 100-10                Status: Onsite
        Group: Tavistock                Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                   Peaking Factor: 256.0
          Rainfall File: Flmod                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 8.000                  Time of Conc(min): 10.00
              Area(ac): 0.140                     Time Shift(hrs): 0.00
          Curve Number: 93.00                Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



--------------------------------------------------------------------------------
         Name: B-100-11                 Node: 100-11                Status: Onsite
        Group: Tavistock                Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                   Peaking Factor: 256.0
          Rainfall File: Flmod                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 8.000                  Time of Conc(min): 10.00
              Area(ac): 0.310                     Time Shift(hrs): 0.00
          Curve Number: 96.00                Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



--------------------------------------------------------------------------------
         Name: B-100-13                 Node: 100-13                Status: Onsite
        Group: Tavistock                Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                   Peaking Factor: 256.0
          Rainfall File: Flmod                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 8.000                  Time of Conc(min): 10.00
              Area(ac): 0.720                     Time Shift(hrs): 0.00
          Curve Number: 93.00                Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



--------------------------------------------------------------------------------
         Name: B-100-14                 Node: 100-14                Status: Onsite
        Group: Tavistock                Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                   Peaking Factor: 256.0
          Rainfall File: Flmod                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 8.000                  Time of Conc(min): 10.00
              Area(ac): 1.730                     Time Shift(hrs): 0.00
          Curve Number: 93.00                Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00



--------------------------------------------------------------------------------
         Name: B-100-2                  Node: 100-2                 Status: Onsite
        Group: Tavistock                Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                   Peaking Factor: 256.0
          Rainfall File: Flmod                Storm Duration(hrs): 24.00
    Rainfall Amount(in): 8.000                  Time of Conc(min): 10.00
              Area(ac): 1.500                     Time Shift(hrs): 0.00
          Curve Number: 96.00                Max Allowable Q(cfs): 999999.000
```


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DCIA(%): 0.00

Name: B-100-3 Node: 100-3 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.910 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-100-4 Node: 100-4 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 1.490 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-100-5 Node: 100-5 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.140 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-100-6 Node: 100-6 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.180 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-100-9 Node: 100-9 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.620 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-11 Node: 9-11 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.160 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000

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DCIA(%): 0.00

Name: B-9-12 Node: 9-12 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.230 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-13 Node: 9-13 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.670 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-14 Node: 9-14 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 1.480 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-15 Node: 9-15 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 1.460 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-16 Node: 9-16 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.130 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-19 Node: 9-19 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.330 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000

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DCIA(%): 0.00

Name: B-9-20 Node: 9-20 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.310 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-23 Node: 9-23 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 1.490 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-25 Node: 9-25 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.260 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-26 Node: 9-26 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.250 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-27 Node: 9-27 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 1.080 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-28 Node: 9-28 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.180 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000

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DCIA(%): 0.00

Name: B-9-29 Node: 9-29 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.160 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-30 Node: 9-30 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.200 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-31 Node: 9-31 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.180 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-33 Node: 9-33 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.110 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-34 Node: 9-34 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 1.310 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-35 Node: 9-35 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.040 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000

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DCIA(%): 0.00

Name: B-9-36 Node: 9-36 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.060 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-37 Node: 9-37 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 1.190 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-38 Node: 9-38 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.180 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-39 Node: 9-39 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.980 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-40 Node: 9-40 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.090 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-41 Node: 9-41 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.080 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000

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DCIA(%): 0.00

Name: B-9-42 Node: 9-42 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 1.040 Time Shift(hrs): 0.00
Curve Number: 93.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-43 Node: 9-43 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.310 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-9-9 Node: 9-9 Status: Onsite
Group: Tavistock Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 0.170 Time Shift(hrs): 0.00
Curve Number: 96.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-arena Node: LAKE 1-arena Status: Onsite
Group: CORE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 10.00
Area(ac): 22.280 Time Shift(hrs): 0.00
Curve Number: 95.00 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

Name: B-DOT 7 Node: DOT Pond 7 Status: Onsite
Group: CORE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.400 Time of Conc(min): 35.11
Area(ac): 27.210 Time Shift(hrs): 0.00
Curve Number: 91.82 Max Allowable Q(cfs): 999999.000
DCIA(%): 0.00

SR 70 from station 1421-75 to 1452+00 plus additional project area north and east of the pond.
11/22/17 - Combined the CORE Lake 10 and revised the lake bank. Basin area revised from 16.68 ac to 27.21 ac.

Name: B08-BR Node: N05-BR Status: Onsite
Group: CORE Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256 Peaking Factor: 256.0
Rainfall File: Flmod Storm Duration(hrs): 24.00
Rainfall Amount(in): 8.000 Time of Conc(min): 30.00
Area(ac): 5.500 Time Shift(hrs): 0.00

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```
           Curve Number: 78.00              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Remaining original basin area north of the project roadway.

-------------------------------------------------------------------------------------------------
         Name: B10-BR                  Node: NW-W23A W23B           Status: Onsite
        Group: CORE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 8.000                 Time of Conc(min): 69.00
                Area(ac): 14.380                 Time Shift(hrs): 0.00
           Curve Number: 79.00              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: B11-BR                  Node: NW-W24                 Status: Onsite
        Group: CORE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 8.000                 Time of Conc(min): 21.00
                Area(ac): 8.390                  Time Shift(hrs): 0.00
           Curve Number: 75.00              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: B11-WS                  Node: NW-W23A W23B           Status: Onsite
        Group: CORE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 8.000                 Time of Conc(min): 49.00
                Area(ac): 19.360                 Time Shift(hrs): 0.00
           Curve Number: 80.00              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: B12-BR                  Node: N_WS07010              Status: Onsite
        Group: CORE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 8.000                 Time of Conc(min): 40.00
                Area(ac): 10.310                 Time Shift(hrs): 0.00
           Curve Number: 78.00              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: B13-WS                  Node: N_WS07010              Status: Onsite
        Group: CORE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 8.000                 Time of Conc(min): 58.00
                Area(ac): 70.080                 Time Shift(hrs): 0.00
           Curve Number: 71.00              Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



-------------------------------------------------------------------------------------------------
         Name: B15-WS                  Node: N_HH09020              Status: Onsite
        Group: CORE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File: Flmod               Storm Duration(hrs): 24.00
    Rainfall Amount(in): 8.000                 Time of Conc(min): 68.00
                Area(ac): 5.300                  Time Shift(hrs): 0.00
```


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```
          Curve Number: 78.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: DITCH 1                 Node: BOX 2-IN              Status: Onsite
        Group: CORE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File:                 Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000             Time of Conc(min): 10.00
                Area(ac): 0.710              Time Shift(hrs): 0.00
          Curve Number: 78.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 15.50


-------------------------------------------------------------------------------------------------
         Name: DITCH 2                 Node: SR-70                 Status: Onsite
        Group: CORE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File:                 Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000             Time of Conc(min): 10.00
                Area(ac): 1.050              Time Shift(hrs): 0.00
          Curve Number: 78.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 19.00


-------------------------------------------------------------------------------------------------
         Name: NW-W22                  Node: NW-W22                Status: Onsite
        Group: CORE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File: Flmod          Storm Duration(hrs): 24.00
    Rainfall Amount(in): 8.000             Time of Conc(min): 20.00
                Area(ac): 14.000             Time Shift(hrs): 0.00
          Curve Number: 73.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: NW-W28A                 Node: NW-W28A               Status: Onsite
        Group: CORE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File: Flmod          Storm Duration(hrs): 24.00
    Rainfall Amount(in): 8.000             Time of Conc(min): 20.00
                Area(ac): 4.310              Time Shift(hrs): 0.00
          Curve Number: 90.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: NW-W28B                 Node: NW-W28b               Status: Onsite
        Group: CORE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File: Flmod          Storm Duration(hrs): 24.00
    Rainfall Amount(in): 8.000             Time of Conc(min): 25.00
                Area(ac): 6.430              Time Shift(hrs): 0.00
          Curve Number: 90.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: Post-5                  Node: Lake 5                Status: Onsite
        Group: CORE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                  Peaking Factor: 256.0
          Rainfall File: Flmod          Storm Duration(hrs): 24.00
    Rainfall Amount(in): 8.000             Time of Conc(min): 10.00
                Area(ac): 9.930              Time Shift(hrs): 0.00
```


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```
           Curve Number: 90.00             Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00



--------------------------------------------------------------------------------------------------
         Name: Post-7                  Node: Lake-7                Status: Onsite
        Group: CORE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                 Peaking Factor: 256.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 8.000                Time of Conc(min): 15.00
                Area(ac): 20.710                Time Shift(hrs): 0.00
           Curve Number: 93.00             Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Basin was increased to incorporate additional aread to the south with the area from Rangeland Blvd.

--------------------------------------------------------------------------------------------------
         Name: Post-8                  Node: CORE Lake-8           Status: Onsite
        Group: CORE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                 Peaking Factor: 256.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 8.000                Time of Conc(min): 10.00
                Area(ac): 2.350                 Time Shift(hrs): 0.00
           Curve Number: 93.00             Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Roadway basin area.

--------------------------------------------------------------------------------------------------
         Name: Post-9                  Node: CORE Lake-9           Status: Onsite
        Group: CORE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                 Peaking Factor: 256.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 8.000                Time of Conc(min): 15.00
                Area(ac): 6.780                 Time Shift(hrs): 0.00
           Curve Number: 93.00             Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00

Roadway and common area basin area.
11/22/17 - Basin size revised lower to 6.78 acres.

--------------------------------------------------------------------------------------------------
         Name: S_HH00010               Node: N_HH00010             Status: Onsite
        Group: CORE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh256                 Peaking Factor: 256.0
          Rainfall File: Flmod              Storm Duration(hrs): 24.00
    Rainfall Amount(in): 8.000                Time of Conc(min): 32.32
                Area(ac): 8.810                 Time Shift(hrs): 0.00
           Curve Number: 89.99             Max Allowable Q(cfs): 999999.000
                DCIA(%): 3.97



==========================================================================================
==== Nodes ===============================================================================
==========================================================================================

      Name: 100-10             Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area



      Stage(ft)        Area(ac)
--------------- ---------------

--------------------------------------------------------------------------------------------
      Name: 100-11             Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area
```


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```
      Stage(ft)        Area(ac)
-------------- ---------------

--------------------------------------------------------------------------------
      Name: 100-12             Base Flow(cfs): 0.000         Init Stage(ft): 32.000
     Group: Tavistock                                       Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

--------------------------------------------------------------------------------
      Name: 100-13             Base Flow(cfs): 0.000         Init Stage(ft): 32.000
     Group: Tavistock                                       Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

--------------------------------------------------------------------------------
      Name: 100-14             Base Flow(cfs): 0.000         Init Stage(ft): 32.000
     Group: Tavistock                                       Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

--------------------------------------------------------------------------------
      Name: 100-2              Base Flow(cfs): 0.000         Init Stage(ft): 32.000
     Group: Tavistock                                       Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

--------------------------------------------------------------------------------
      Name: 100-3              Base Flow(cfs): 0.000         Init Stage(ft): 32.000
     Group: Tavistock                                       Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

--------------------------------------------------------------------------------
      Name: 100-4              Base Flow(cfs): 0.000         Init Stage(ft): 32.000
     Group: Tavistock                                       Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

--------------------------------------------------------------------------------
      Name: 100-5              Base Flow(cfs): 0.000         Init Stage(ft): 32.000
     Group: Tavistock                                       Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

--------------------------------------------------------------------------------
      Name: 100-6              Base Flow(cfs): 0.000         Init Stage(ft): 32.000
     Group: Tavistock                                       Warn Stage(ft): 0.000
      Type: Stage/Area
```


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```
      Stage(ft)        Area(ac)
-------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 100-8               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                          Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 100-9               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                          Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 9-10                Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                          Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 9-11                Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                          Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 9-12                Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                          Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 9-13                Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                          Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 9-14                Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                          Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 9-15                Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                          Warn Stage(ft): 0.000
```


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Type: Stage/Area

Stage(ft)	Area(ac)

Name: 9-16 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: 9-18 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: 9-19 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: 9-20 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: 9-21 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: 9-22 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: 9-23 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

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Name: 9-24 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: 9-25 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: 9-26 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: 9-27 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: 9-28 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: 9-29 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: 9-30 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: 9-31 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: Tavistock Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

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```
--------------------------------------------------------------------------------------------
      Name: 9-32               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

--------------------------------------------------------------------------------------------
      Name: 9-33               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

--------------------------------------------------------------------------------------------
      Name: 9-34               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

--------------------------------------------------------------------------------------------
      Name: 9-35               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

--------------------------------------------------------------------------------------------
      Name: 9-36               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

--------------------------------------------------------------------------------------------
      Name: 9-37               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

--------------------------------------------------------------------------------------------
      Name: 9-38               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

--------------------------------------------------------------------------------------------
      Name: 9-39               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area
```


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```
      Stage(ft)        Area(ac)
-------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 9-40               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 9-41               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 9-42               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 9-43               Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

-------------------------------------------------------------------------------------------
      Name: 9-9                Base Flow(cfs): 0.000          Init Stage(ft): 32.000
     Group: Tavistock                                        Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

-------------------------------------------------------------------------------------------
      Name: BB-1               Base Flow(cfs): 0.000          Init Stage(ft): 28.900
     Group: CORE                                             Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

-------------------------------------------------------------------------------------------
      Name: BB-9               Base Flow(cfs): 0.000          Init Stage(ft): 31.300
     Group: CORE                                             Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
-------------- ---------------

-------------------------------------------------------------------------------------------
      Name: BOX 1-IN tw        Base Flow(cfs): 0.000          Init Stage(ft): 30.040
     Group: CORE                                             Warn Stage(ft): 33.040
      Type: Time/Stage
```


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Time(hrs)	Stage(ft)
0.00	30.040
0.25	30.160
0.50	30.130
0.75	30.110
1.00	30.100
1.25	30.090
1.50	30.090
1.75	30.080
2.00	30.080
2.25	30.080
2.50	30.080
2.75	30.080
3.00	30.090
3.25	30.090
3.50	30.100
3.75	30.110
4.00	30.130
4.25	30.140
4.50	30.150
4.75	30.170
5.00	30.180
5.25	30.190
5.50	30.210
5.75	30.220
6.00	30.230
6.25	30.240
6.50	30.250
6.75	30.260
7.00	30.280
7.25	30.290
7.50	30.300
7.75	30.310
8.00	30.320
8.25	30.340
8.50	30.350
8.75	30.370
9.00	30.390
9.25	30.410
9.50	30.440
9.75	30.470
10.00	30.500
10.25	30.530
10.50	30.570
10.75	30.610
11.00	30.650
11.25	30.710
11.50	30.760
11.75	30.850
12.00	30.990
12.25	31.380
12.50	31.760
12.75	32.040
13.00	32.170
13.25	32.190
13.50	32.190
13.75	32.190
14.00	32.190
14.25	32.190
14.50	32.200
14.75	32.220
15.00	32.240
15.25	32.250
15.50	32.270
15.75	32.290
16.00	32.300
16.25	32.320
16.50	32.330
16.75	32.340
17.00	32.350
17.25	32.360
17.50	32.360
17.75	32.360
18.00	32.360
18.25	32.360

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18.50	32.360
18.75	32.360
19.00	32.350
19.25	32.340
19.50	32.340
19.75	32.330
20.00	32.320
20.25	32.320
20.50	32.310
20.75	32.300
21.00	32.290
21.25	32.270
21.50	32.260
21.75	32.250
22.00	32.230
22.25	32.220
22.50	32.200
22.75	32.180
23.00	32.160
23.25	32.140
23.50	32.120
23.75	32.090
24.00	32.060
24.25	32.030
24.50	32.000
24.75	31.960
25.00	31.920
25.25	31.880
25.50	31.840
25.75	31.800
26.00	31.770
26.25	31.730
26.50	31.700
26.75	31.670
27.00	31.640
27.25	31.610
27.50	31.580
27.75	31.550
28.00	31.520
28.25	31.490
28.50	31.470
28.75	31.440
29.00	31.410
29.25	31.380
29.50	31.350
29.75	31.320
30.00	31.300
30.25	31.270
30.50	31.250
30.75	31.230
31.00	31.210
31.25	31.190
31.50	31.180
31.75	31.160
32.00	31.140
32.25	31.120
32.50	31.100
32.75	31.080
33.00	31.060
33.25	31.040
33.50	31.020
33.75	31.000
34.00	30.980
34.25	30.950
34.50	30.930
34.75	30.910
35.00	30.890
35.25	30.870
35.50	30.840
35.75	30.820
36.00	30.800
36.25	30.780
36.50	30.760
36.75	30.750
37.00	30.730
37.25	30.710
37.50	30.690
37.75	30.680

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38.00	30.660
38.25	30.650
38.50	30.640
38.75	30.630
39.00	30.610
39.25	30.600
39.50	30.590
39.75	30.580
40.00	30.570
40.25	30.570
40.50	30.560
40.75	30.550
41.00	30.540
41.25	30.540
41.50	30.530
41.75	30.530
42.00	30.520
42.25	30.520
42.50	30.520
42.75	30.510
43.00	30.510
43.25	30.510
43.50	30.500
43.75	30.500
44.00	30.490
44.25	30.490
44.50	30.490
44.75	30.490
45.00	30.480
45.25	30.480
45.50	30.480
45.75	30.470
46.00	30.470
46.25	30.470
46.50	30.460
46.75	30.460
47.00	30.460
47.25	30.460
47.50	30.450
47.75	30.450
48.00	30.450

Name: BOX 1-OUT Base Flow(cfs): 0.000 Init Stage(ft): 30.040
Group: CORE Warn Stage(ft): 33.040
Type: Stage/Area

Stage(ft)	Area(ac)

Name: BOX 2-IN Base Flow(cfs): 0.000 Init Stage(ft): 30.040
Group: CORE Warn Stage(ft): 33.040
Type: Stage/Area

Stage(ft)	Area(ac)

Name: BOX 2-OUT Base Flow(cfs): 0.000 Init Stage(ft): 30.040
Group: CORE Warn Stage(ft): 33.040
Type: Stage/Area

Stage(ft)	Area(ac)

Name: CORE Lake-8 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: CORE Warn Stage(ft): 34.000
Type: Stage/Area

New Lake

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Stage(ft)	Area(ac)
32.000	0.4400
34.800	0.6500

Name: CORE Lake-9 Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: CORE Warn Stage(ft): 34.000
Type: Stage/Area

New lake.

Stage(ft)	Area(ac)
32.000	0.7500
34.800	0.9700

Name: CS-DOT Pond 7 Base Flow(cfs): 0.000 Init Stage(ft): 30.110
Group: CORE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: DITCH 4 Base Flow(cfs): 0.000 Init Stage(ft): 30.040
Group: CORE Warn Stage(ft): 34.040
Type: Stage/Area

Stage(ft)	Area(ac)

Name: DITCH 5 Base Flow(cfs): 0.000 Init Stage(ft): 30.040
Group: CORE Warn Stage(ft): 34.040
Type: Stage/Area

Stage(ft)	Area(ac)

Name: DOT Pond 7 Base Flow(cfs): 0.000 Init Stage(ft): 30.840
Group: CORE Warn Stage(ft): 32.740
Type: Stage/Area

Stage(ft)	Area(ac)
30.840	3.6500
33.740	4.2600

Name: L-100A Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: CORE Warn Stage(ft): 34.000
Type: Stage/Area

Stage(ft)	Area(ac)
32.000	0.6300
34.940	0.8300

Name: L-100B Base Flow(cfs): 0.000 Init Stage(ft): 32.000
Group: CORE Warn Stage(ft): 34.000
Type: Stage/Area

Lake shape and area has been revised.

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Stage(ft)	Area(ac)
32.000	1.5200
35.100	1.8200

Name: LAKE 1-arena Base Flow(cfs): 0.000 Init Stage(ft): 35.940
Group: CORE Warn Stage(ft): 39.000
Type: Stage/Area

Stage(ft)	Area(ac)
35.940	4.2200
39.000	4.7400

Name: LAKE 3-PB tw Base Flow(cfs): 0.000 Init Stage(ft): 30.040
Group: CORE Warn Stage(ft): 34.040
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	30.040
0.25	30.040
0.50	30.040
0.75	30.040
1.00	30.040
1.25	30.050
1.50	30.060
1.75	30.080
2.00	30.090
2.25	30.110
2.50	30.130
2.75	30.150
3.00	30.170
3.25	30.190
3.50	30.210
3.75	30.230
4.00	30.250
4.25	30.270
4.50	30.290
4.75	30.310
5.00	30.330
5.25	30.350
5.50	30.370
5.75	30.390
6.00	30.410
6.25	30.430
6.50	30.450
6.75	30.470
7.00	30.500
7.25	30.520
7.50	30.540
7.75	30.570
8.00	30.590
8.25	30.610
8.50	30.640
8.75	30.670
9.00	30.700
9.25	30.730
9.50	30.770
9.75	30.800
10.00	30.840
10.25	30.890
10.50	30.940
10.75	31.000
11.00	31.060
11.25	31.130
11.50	31.240
11.75	31.520
12.00	32.110
12.25	32.780
12.50	33.190

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12.75	33.380
13.00	33.450
13.25	33.470
13.50	33.470
13.75	33.460
14.00	33.440
14.25	33.410
14.50	33.390
14.75	33.360
15.00	33.320
15.25	33.290
15.50	33.260
15.75	33.220
16.00	33.190
16.25	33.150
16.50	33.110
16.75	33.080
17.00	33.040
17.25	33.010
17.50	32.970
17.75	32.940
18.00	32.900
18.25	32.870
18.50	32.840
18.75	32.800
19.00	32.770
19.25	32.740
19.50	32.700
19.75	32.670
20.00	32.640
20.25	32.610
20.50	32.580
20.75	32.550
21.00	32.520
21.25	32.490
21.50	32.460
21.75	32.430
22.00	32.400
22.25	32.380
22.50	32.350
22.75	32.320
23.00	32.290
23.25	32.270
23.50	32.240
23.75	32.210
24.00	32.180
24.25	32.150
24.50	32.110
24.75	32.060
25.00	32.020
25.25	31.980
25.50	31.940
25.75	31.900
26.00	31.850
26.25	31.810
26.50	31.770
26.75	31.730
27.00	31.690
27.25	31.650
27.50	31.610
27.75	31.580
28.00	31.540
28.25	31.500
28.50	31.470
28.75	31.430
29.00	31.400
29.25	31.360
29.50	31.330
29.75	31.290
30.00	31.260
30.25	31.230
30.50	31.200
30.75	31.170
31.00	31.140
31.25	31.110
31.50	31.090
31.75	31.060
32.00	31.030

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32.25	31.010
32.50	30.980
32.75	30.960
33.00	30.940
33.25	30.910
33.50	30.890
33.75	30.870
34.00	30.850
34.25	30.830
34.50	30.810
34.75	30.790
35.00	30.770
35.25	30.750
35.50	30.740
35.75	30.720
36.00	30.700
36.25	30.690
36.50	30.670
36.75	30.650
37.00	30.640
37.25	30.630
37.50	30.610
37.75	30.600
38.00	30.580
38.25	30.570
38.50	30.560
38.75	30.550
39.00	30.530
39.25	30.520
39.50	30.510
39.75	30.500
40.00	30.490
40.25	30.480
40.50	30.470
40.75	30.460
41.00	30.450
41.25	30.440
41.50	30.430
41.75	30.430
42.00	30.420
42.25	30.410
42.50	30.400
42.75	30.390
43.00	30.390
43.25	30.380
43.50	30.370
43.75	30.370
44.00	30.360
44.25	30.350
44.50	30.350
44.75	30.340
45.00	30.340
45.25	30.330
45.50	30.330
45.75	30.320
46.00	30.320
46.25	30.310
46.50	30.310
46.75	30.300
47.00	30.300
47.25	30.290
47.50	30.290
47.75	30.280
48.00	30.280

Name: Lake 5 Base Flow(cfs): 0.000 Init Stage(ft): 33.160
Group: CORE Warn Stage(ft): 36.600
Type: Stage/Area

Stage(ft)	Area(ac)
33.160	0.8400
36.600	1.1100

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Name: Lake 6 Base Flow(cfs): 0.000 Init Stage(ft): 33.160
Group: CORE Warn Stage(ft): 36.600
Type: Stage/Area

Stage(ft)	Area(ac)
33.160	0.5800
36.600	0.7900

Name: Lake-7 Base Flow(cfs): 0.000 Init Stage(ft): 33.630
Group: CORE Warn Stage(ft): 35.300
Type: Stage/Area

Lake size and shape as been modified larger while filling in the southern portion of the lake.

Stage(ft)	Area(ac)
33.630	2.3400
36.300	2.7700

Name: MH-1-PB-tw Base Flow(cfs): 0.000 Init Stage(ft): 30.040
Group: CORE Warn Stage(ft): 34.040
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	30.040
0.25	29.120
0.50	29.090
0.75	29.080
1.00	29.070
1.25	29.060
1.50	29.060
1.75	29.060
2.00	29.050
2.25	29.050
2.50	29.050
2.75	29.050
3.00	29.050
3.25	29.050
3.50	29.050
3.75	29.050
4.00	29.050
4.25	29.060
4.50	29.060
4.75	29.070
5.00	29.070
5.25	29.080
5.50	29.080
5.75	29.080
6.00	29.090
6.25	29.090
6.50	29.100
6.75	29.110
7.00	29.110
7.25	29.120
7.50	29.120
7.75	29.130
8.00	29.140
8.25	29.140
8.50	29.150
8.75	29.170
9.00	29.190
9.25	29.230
9.50	29.270
9.75	29.320
10.00	29.370
10.25	29.420
10.50	29.470
10.75	29.540
11.00	29.610
11.25	29.700

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11.50	29.810
11.75	30.020
12.00	30.510
12.25	31.080
12.50	31.670
12.75	32.050
13.00	32.280
13.25	32.340
13.50	32.360
13.75	32.360
14.00	32.350
14.25	32.340
14.50	32.350
14.75	32.360
15.00	32.390
15.25	32.430
15.50	32.470
15.75	32.490
16.00	32.520
16.25	32.540
16.50	32.570
16.75	32.590
17.00	32.610
17.25	32.630
17.50	32.650
17.75	32.660
18.00	32.670
18.25	32.680
18.50	32.690
18.75	32.700
19.00	32.700
19.25	32.710
19.50	32.710
19.75	32.710
20.00	32.710
20.25	32.710
20.50	32.710
20.75	32.710
21.00	32.700
21.25	32.690
21.50	32.680
21.75	32.670
22.00	32.650
22.25	32.640
22.50	32.620
22.75	32.600
23.00	32.580
23.25	32.540
23.50	32.490
23.75	32.440
24.00	32.380
24.25	32.290
24.50	32.200
24.75	32.100
25.00	32.000
25.25	31.900
25.50	31.810
25.75	31.730
26.00	31.660
26.25	31.600
26.50	31.550
26.75	31.500
27.00	31.460
27.25	31.420
27.50	31.380
27.75	31.340
28.00	31.310
28.25	31.280
28.50	31.250
28.75	31.210
29.00	31.180
29.25	31.140
29.50	31.100
29.75	31.060
30.00	31.010
30.25	30.970
30.50	30.930
30.75	30.890

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31.00	30.840
31.25	30.800
31.50	30.760
31.75	30.720
32.00	30.680
32.25	30.640
32.50	30.600
32.75	30.560
33.00	30.520
33.25	30.480
33.50	30.430
33.75	30.390
34.00	30.350
34.25	30.310
34.50	30.270
34.75	30.230
35.00	30.180
35.25	30.140
35.50	30.100
35.75	30.060
36.00	30.020
36.25	29.980
36.50	29.950
36.75	29.910
37.00	29.880
37.25	29.850
37.50	29.820
37.75	29.800
38.00	29.770
38.25	29.750
38.50	29.730
38.75	29.710
39.00	29.680
39.25	29.670
39.50	29.650
39.75	29.630
40.00	29.610
40.25	29.600
40.50	29.580
40.75	29.570
41.00	29.560
41.25	29.550
41.50	29.540
41.75	29.530
42.00	29.520
42.25	29.510
42.50	29.500
42.75	29.500
43.00	29.490
43.25	29.480
43.50	29.480
43.75	29.470
44.00	29.460
44.25	29.460
44.50	29.450
44.75	29.440
45.00	29.440
45.25	29.430
45.50	29.430
45.75	29.420
46.00	29.410
46.25	29.410
46.50	29.400
46.75	29.400
47.00	29.390
47.25	29.390
47.50	29.380
47.75	29.370
48.00	29.370

Name: N-W22 Base Flow(cfs): 0.000 Init Stage(ft): 29.270
Group: CORE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

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Name: N05-BR Base Flow(cfs): 0.000 Init Stage(ft): 32.110
Group: CORE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N15-BR Base Flow(cfs): 0.000 Init Stage(ft): 29.360
Group: CORE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N_HH00010 Base Flow(cfs): 0.000 Init Stage(ft): 29.270
Group: CORE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
28.570	0.0010
29.070	0.0130
29.570	0.0400
30.070	0.0810
30.570	0.2580
31.070	0.7630
31.570	1.3610
32.070	1.8570
32.570	2.2920
33.070	2.7510
33.570	3.4760
34.070	4.4080
34.570	5.2410
35.070	5.7160
35.570	6.0870
36.070	6.7540

Name: N_HH00012 Base Flow(cfs): 29.410 Init Stage(ft): 0.000
Group: CORE Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	29.410
1.29	29.410
7.44	29.700
11.65	30.200
12.73	31.530
16.51	30.700
23.42	30.450
30.00	29.820
60.00	29.470
120.00	29.430

Name: N_HH00015 Base Flow(cfs): 0.800 Init Stage(ft): 23.540
Group: CORE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
27.860	0.0010

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28.360	0.0070
28.860	0.0240
29.360	0.0820
29.860	0.3030
30.360	0.6420
30.860	0.9780
31.360	1.2790
31.860	1.5850
32.360	1.9060
32.860	2.1600
33.360	2.3860
33.860	2.6800
34.360	2.8900
34.860	2.9650
35.200	2.9670
45.200	2.9680

Name: N_HH00020 Base Flow(cfs): 0.000 Init Stage(ft): 23.470
Group: CORE Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	23.490
1.30	23.490
8.52	24.450
11.65	25.890
14.57	28.960
17.16	29.230
23.31	28.750
33.67	25.870
52.66	24.180
120.00	23.540

Name: N_HH02030 Base Flow(cfs): 0.000 Init Stage(ft): 29.570
Group: CORE Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	29.570
1.40	29.570
11.33	30.190
12.73	30.860
15.21	30.500
19.31	30.790
22.55	30.400
28.38	29.870
59.57	29.660
120.00	29.600

Name: N_HH03075 Base Flow(cfs): 0.000 Init Stage(ft): 27.360
Group: CORE Warn Stage(ft): 34.040
Type: Stage/Area

Stage(ft)	Area(ac)
29.350	0.0010
29.850	0.0140
30.350	0.0530
30.850	0.0820
31.350	0.1100
31.850	0.1580
32.350	0.2070
32.850	0.2960
33.350	0.9230
33.850	2.1800
34.350	2.7790
34.850	3.0450

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35.350	3.2380	

Name: N_HH03085 Base Flow(cfs): 0.000 Init Stage(ft): 23.560
Group: CORE Warn Stage(ft): 30.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	26.250
5.20	26.270
11.80	27.530
14.40	29.330
16.90	29.610
23.30	29.060
33.60	27.450
53.00	26.640
80.00	26.330

Name: N_HH09020 Base Flow(cfs): 0.000 Init Stage(ft): 30.400
Group: CORE Warn Stage(ft): 36.000
Type: Stage/Area

Stage(ft)	Area(ac)
29.940	0.0010
30.440	0.0050
30.940	0.0360
31.440	0.2200
31.940	0.6510
32.440	1.4760
32.940	3.6170
33.440	8.0070
33.940	12.0870
34.440	13.7180
34.940	13.9050
35.440	13.9590
36.890	13.9880

Name: N_HH09040 Base Flow(cfs): 0.000 Init Stage(ft): 30.400
Group: CORE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
30.475	0.0010
30.725	0.0020
31.225	0.0030
31.725	0.0320
32.225	0.1470
32.725	0.3100
33.225	0.6100
33.725	1.9110
34.225	3.4380
34.725	4.9410
35.225	5.3510
35.725	5.4220
36.225	5.5090
36.804	5.5540
42.132	5.5540

Name: N_WS07010 Base Flow(cfs): 0.000 Init Stage(ft): 27.630
Group: CORE Warn Stage(ft): 30.100
Type: Time/Stage

Time(hrs)	Stage(ft)

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0.00	27.630
3.20	27.630
7.00	28.620
11.60	29.470
12.80	29.810
13.70	29.840
15.30	29.740
20.00	29.580
24.50	29.490
25.50	29.440
30.00	29.060
40.00	28.810
50.00	28.490
60.00	28.360

Name: NW-W22 Base Flow(cfs): 0.000 Init Stage(ft): 29.270
Group: CORE Warn Stage(ft): 32.500
Type: Stage/Area

Total area reduced. Stage and areas confirmed from lidar areas.

Stage(ft)	Area(ac)
29.270	1.9060
30.000	7.1000
31.000	13.9500
33.000	14.0000

Name: NW-W23A W23B Base Flow(cfs): 0.000 Init Stage(ft): 31.370
Group: CORE Warn Stage(ft): 34.000
Type: Stage/Area

Stage and area used from Braden River Model N_HH09025

Stage(ft)	Area(ac)
31.370	0.1330
31.850	0.3850
32.350	1.2000
32.850	2.1850
33.350	3.1900
33.850	5.9490
34.350	14.2730

Name: NW-W24 Base Flow(cfs): 0.000 Init Stage(ft): 31.370
Group: CORE Warn Stage(ft): 33.040
Type: Stage/Area

Stage(ft)	Area(ac)
31.370	0.0500
32.460	1.0000
33.040	1.6300

Name: NW-W28A Base Flow(cfs): 0.000 Init Stage(ft): 31.830
Group: CORE Warn Stage(ft): 0.000
Type: Stage/Area

Braden River node N_HH09005.

Stage(ft)	Area(ac)
31.000	2.3290
33.250	2.9470
33.750	3.4160
34.250	3.9530
34.750	5.2650
35.250	7.8020
35.750	8.3380
36.250	8.5270
36.750	8.6720
37.250	8.6950

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37.750	8.7010
38.070	8.7030
48.070	8.7030

Name: NW-W28B Base Flow(cfs): 0.000 Init Stage(ft): 30.990
Group: CORE Warn Stage(ft): 37.000
Type: Stage/Area

Braden River node N_HH09005

Stage(ft)	Area(ac)
30.860	0.0010
31.360	0.0140
31.860	0.0820
32.360	0.3120
32.860	0.7830
33.360	1.6370
33.860	2.4830
34.360	3.2650
34.860	4.8530
35.360	6.5930
35.860	7.7040
36.360	9.6030

Name: SR-70 Base Flow(cfs): 0.000 Init Stage(ft): 30.040
Group: CORE Warn Stage(ft): 34.040
Type: Stage/Area

Stage(ft)	Area(ac)

Name: TailW W24 Base Flow(cfs): 0.000 Init Stage(ft): 32.880
Group: CORE Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	32.860
4.00	32.880
7.00	32.970
10.00	33.140
11.75	33.390
13.00	34.250
15.00	34.370
16.00	34.380
17.00	34.370
19.00	34.340
22.00	34.290
25.00	34.200
28.00	34.090
31.00	33.990
34.00	33.900
37.00	33.830
40.00	33.780

==== Cross Sections ====

Name: 08141302MB_XOW Group: CORE
Encroachment: No

Terrain: 2004 LIDAR/TIN

Station(ft)	Elevation(ft)	Manning's N
0.000	33.500	0.000000
14.000	33.570	0.000000

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20.900	33.300	0.000000
33.800	33.640	0.000000
39.200	33.370	0.000000
53.100	33.280	0.000000
68.900	33.480	0.000000
83.700	33.360	0.000000
92.300	33.550	0.000000
117.200	33.270	0.000000
121.300	33.510	0.000000
145.500	33.300	0.000000
157.200	33.540	0.000000
191.300	33.440	0.000000
198.900	33.220	0.000000
207.400	33.190	0.000000
215.500	33.240	0.000000
219.600	33.420	0.000000
230.000	33.310	0.000000
239.600	33.440	0.000000
244.600	33.270	0.000000
260.700	33.420	0.000000
274.000	33.270	0.000000
291.300	33.390	0.000000
315.900	33.310	0.000000
326.500	33.070	0.000000
331.100	33.280	0.000000
340.700	33.280	0.000000
350.700	33.060	0.000000
367.300	33.120	0.000000
383.900	32.920	0.000000
396.800	33.090	0.000000
402.300	33.400	0.000000
415.600	33.080	0.000000
418.400	33.190	0.000000
425.100	32.940	0.000000
434.200	33.210	0.000000
443.600	33.200	0.000000
448.300	32.980	0.000000
454.200	32.940	0.000000
464.900	33.270	0.000000
476.200	33.080	0.000000
490.400	33.300	0.000000
495.700	33.120	0.000000
512.900	33.390	0.000000
519.800	33.190	0.000000
553.700	33.100	0.000000
561.200	33.300	0.000000
601.300	33.130	0.000000
616.900	33.310	0.000000
646.700	33.120	0.000000
654.900	33.290	0.000000
670.400	33.230	0.000000
683.000	33.400	0.000000
710.000	33.200	0.000000
725.300	33.340	0.000000
740.700	33.220	0.000000
752.100	33.370	0.000000
769.700	33.230	0.000000
772.800	33.020	0.000000
781.600	33.640	0.000000
807.700	33.840	0.000000
814.100	33.820	0.000000
826.000	33.060	0.000000
852.500	33.060	0.000000
868.100	33.270	0.000000
890.900	33.040	0.000000
921.500	34.060	0.000000
928.200	33.890	0.000000
947.000	34.100	0.000000
1003.500	32.790	0.000000
1040.400	33.650	0.000000
1085.600	33.610	0.000000

Name: 1513MB_XOW Group: CORE
Encroachment: No

X-Section taken from Braden River 1513MB_XOW cross-section.

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Station(ft)	Elevation(ft)	Manning's N
0.000	35.950	0.000000
775.000	35.090	0.000000
890.330	35.800	0.000000

Name: 1625MB_XOW Group: CORE
Encroachment: No

Terrain: 2004 LIDAR/TIN

Station(ft)	Elevation(ft)	Manning's N
0.000	34.140	0.000000
67.230	33.050	0.000000
79.200	34.270	0.000000
117.820	33.220	0.000000
490.470	33.500	0.000000
667.740	32.460	0.000000
741.500	33.990	0.000000

Name: 173519_358 Group: CORE
Encroachment: No

Terrain: 2004 LIDAR/TIN

Station(ft)	Elevation(ft)	Manning's N
1.690	33.420	0.030000
17.030	32.450	0.030000
20.450	32.250	0.030000
20.550	32.220	0.030000
21.440	32.150	0.030000
21.850	32.030	0.030000
25.230	30.990	0.030000
32.310	30.990	0.030000
35.240	30.990	0.030000
36.710	33.180	0.030000
37.630	33.610	0.030000
42.490	34.000	0.030000
46.950	34.730	0.030000

Name: 173519_359 Group: CORE
Encroachment: No

Terrain: 2004 LIDAR/TIN

Station(ft)	Elevation(ft)	Manning's N
6.310	33.860	0.030000
6.430	33.640	0.030000
7.690	32.460	0.030000
8.870	31.370	0.030000
11.580	29.200	0.030000
17.250	29.200	0.030000
21.590	29.200	0.030000
27.000	31.150	0.030000
28.000	31.430	0.030000
29.450	32.050	0.030000
31.010	32.700	0.030000
32.270	33.300	0.030000
32.940	33.570	0.030000
33.350	33.850	0.030000

Name: 173519_360 Group: CORE
Encroachment: No

Terrain: 2004 LIDAR/TIN

Station(ft)	Elevation(ft)	Manning's N
8.450	33.470	0.035000
11.100	32.020	0.035000
12.010	31.720	0.035000

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17.540	31.080	0.035000
19.550	29.720	0.035000
20.420	29.160	0.035000
22.290	29.630	0.035000
25.330	30.420	0.035000
27.410	31.030	0.035000
28.230	31.340	0.035000
29.880	31.960	0.035000
31.610	32.280	0.035000
34.640	33.000	0.035000

Name: 173519_378 Group: CORE
Encroachment: No

Terrain: 2004 LIDAR/TIN

Station(ft)	Elevation(ft)	Manning's N
5.450	35.220	0.035000
7.830	34.830	0.035000
8.580	34.710	0.035000
9.430	34.530	0.035000
11.940	33.060	0.035000
14.330	32.130	0.035000
15.090	31.960	0.035000
17.100	31.690	0.035000
19.680	29.990	0.035000
20.760	29.200	0.035000
23.300	29.950	0.035000
24.540	30.350	0.035000
38.060	32.600	0.035000
40.820	32.820	0.035000
41.320	32.860	0.035000

Name: 173519_386_XOW Group: CORE
Encroachment: No

Terrain: 2004 LIDAR/TIN

Station(ft)	Elevation(ft)	Manning's N
0.000	34.050	0.000000
4.240	33.830	0.000000
11.190	33.850	0.000000
15.420	33.700	0.000000
22.520	34.010	0.000000
30.530	33.790	0.000000
34.070	33.910	0.000000
38.460	33.730	0.000000
53.080	33.580	0.000000
61.530	33.670	0.000000
65.560	33.420	0.000000
69.850	33.550	0.000000
83.080	33.430	0.000000
131.150	33.640	0.000000
170.260	33.490	0.000000
173.380	33.690	0.000000
188.570	33.540	0.000000
208.290	33.820	0.000000
234.680	33.340	0.000000
236.900	33.690	0.000000
240.760	33.450	0.000000
247.310	33.410	0.000000
251.740	33.690	0.000000
256.900	33.730	0.000000
260.790	33.520	0.000000
274.960	33.610	0.000000
278.240	33.480	0.000000
286.410	33.660	0.000000
307.820	33.400	0.000000
316.620	33.610	0.000000
326.730	33.520	0.000000
332.450	33.710	0.000000
341.500	33.380	0.000000
357.530	33.640	0.000000
363.570	33.550	0.000000

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368.190	33.720	0.000000
372.260	33.580	0.000000
382.200	33.670	0.000000
405.080	33.430	0.000000
419.920	33.620	0.000000
435.490	33.430	0.000000
439.650	33.600	0.000000
453.370	33.650	0.000000
475.440	33.440	0.000000
477.770	33.300	0.000000
485.390	33.610	0.000000
497.080	33.350	0.000000
503.700	33.660	0.000000
512.140	33.330	0.000000
519.030	33.660	0.000000
529.490	33.630	0.000000
533.770	33.450	0.000000
538.400	33.590	0.000000
541.310	33.450	0.000000
544.310	33.660	0.000000
551.390	33.520	0.000000
553.470	33.660	0.000000
565.610	33.700	0.000000
571.500	33.570	0.000000
579.840	33.740	0.000000
586.210	33.620	0.000000
588.450	33.750	0.000000
601.040	33.760	0.000000
608.720	33.590	0.000000
615.110	33.780	0.000000
620.520	33.640	0.000000
625.880	33.760	0.000000
634.200	33.560	0.000000
659.310	33.640	0.000000

Name: 173519_410_XOW Group: CORE
Encroachment: No

Terrain: 2004 LIDAR/TIN

Station(ft)	Elevation(ft)	Manning's N
0.000	34.650	0.000000
55.690	32.820	0.000000
288.860	32.240	0.000000
288.920	32.240	0.000000
313.810	32.990	0.000000
387.510	33.150	0.000000

Name: 203519_299 Group: CORE
Encroachment: No

Terrain: 2004 LIDAR/TIN

Station(ft)	Elevation(ft)	Manning's N
34.060	31.890	0.150000
34.690	31.900	0.150000
34.760	31.860	0.150000
39.850	29.770	0.150000
43.880	27.620	0.150000
46.180	26.720	0.150000
50.960	23.160	0.070000
55.740	26.290	0.070000
59.120	26.950	0.150000
60.250	27.200	0.150000
67.850	29.930	0.150000

Name: 203519_304 Group: CORE
Encroachment: No

Survey: PH2 by ZNS in 2008

Station(ft)	Elevation(ft)	Manning's N

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-14.000	31.190	0.150000
11.000	30.760	0.150000
25.000	29.590	0.150000
27.000	29.330	0.070000
28.000	29.260	0.070000
30.000	29.410	0.070000
32.000	29.620	0.070000
40.000	30.020	0.150000
73.000	30.310	0.150000
108.000	30.380	0.150000
125.000	30.750	0.150000

Name: 203519_332_XOW Group: CORE
Encroachment: No

Terrain: 2004 LIDAR/TIN

Station(ft)	Elevation(ft)	Manning's N
0.000	33.740	0.000000
12.090	33.910	0.000000
18.900	34.320	0.000000
33.550	34.340	0.000000
38.910	33.640	0.000000
47.160	33.610	0.000000
48.860	33.430	0.000000
53.440	33.580	0.000000
57.630	33.500	0.000000
60.350	33.160	0.000000
68.270	33.850	0.000000
90.490	33.860	0.000000
120.010	34.190	0.000000
132.450	33.540	0.000000
135.950	33.550	0.000000
146.170	34.270	0.000000
198.800	34.380	0.000000
206.930	34.350	0.000000
215.330	34.090	0.000000
226.510	34.760	0.000000
272.500	34.600	0.000000
283.890	34.280	0.000000
288.160	33.920	0.000000
297.700	33.560	0.000000
302.620	33.570	0.000000
349.370	34.580	0.000000
368.750	34.780	0.000000
375.270	35.160	0.000000
390.410	33.480	0.000000
397.390	32.170	0.000000
402.770	31.900	0.000000
420.340	32.240	0.000000
442.450	32.010	0.000000
450.270	32.830	0.000000
463.040	32.960	0.000000
467.510	32.560	0.000000
472.890	32.430	0.000000
480.540	32.400	0.000000
484.690	32.670	0.000000
491.830	32.730	0.000000
493.880	32.470	0.000000
501.920	32.590	0.000000
513.490	32.300	0.000000
515.750	32.100	0.000000
518.840	32.250	0.000000
525.310	32.220	0.000000
528.400	32.570	0.000000
534.200	32.520	0.000000
540.070	32.970	0.000000
541.720	32.980	0.000000
543.500	32.610	0.000000
547.210	32.960	0.000000
556.510	32.390	0.000000
560.710	32.830	0.000000
567.130	32.710	0.000000
581.720	33.570	0.000000
587.080	32.670	0.000000
592.140	32.980	0.000000

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597.230	32.940	0.000000
602.690	32.340	0.000000
607.740	32.090	0.000000
618.320	31.980	0.000000
622.450	31.560	0.000000
626.180	31.740	0.000000
631.690	31.570	0.000000
636.460	31.950	0.000000
661.250	32.010	0.000000
664.380	31.310	0.000000
665.400	31.260	0.000000
685.160	31.480	0.000000
690.960	31.420	0.000000
696.500	31.150	0.000000
699.020	31.610	0.000000
707.470	31.460	0.000000
711.540	31.880	0.000000
714.570	32.510	0.000000
725.280	32.760	0.000000
729.880	33.440	0.000000
736.020	33.840	0.000000
741.660	32.770	0.000000
745.710	33.530	0.000000
747.710	33.690	0.000000
758.650	32.700	0.000000
761.570	32.820	0.000000
763.020	33.120	0.000000
764.510	33.110	0.000000
768.440	32.770	0.000000
777.250	31.630	0.000000
792.740	32.300	0.000000
806.690	32.090	0.000000
811.910	31.920	0.000000
818.640	30.880	0.000000
842.360	30.430	0.000000
848.550	30.620	0.000000
865.230	30.530	0.000000
875.670	30.350	0.000000
893.830	29.560	0.000000
920.620	30.980	0.000000
936.130	30.970	0.000000
971.720	32.490	0.000000

Name: 203519_346 Group: CORE
Encroachment: No

Survey: PH2 by ZNS in 2008

Station(ft)	Elevation(ft)	Manning's N
0.000	32.150	0.150000
18.000	31.940	0.150000
29.000	30.550	0.150000
33.000	24.910	0.045000
38.000	25.050	0.045000
40.000	26.070	0.045000
47.000	32.210	0.045000
51.000	33.580	0.045000
64.000	32.280	0.150000
69.000	32.610	0.150000
71.970	33.330	0.035000
74.470	33.560	0.035000
77.370	33.850	0.035000
80.960	33.720	0.035000
81.230	33.700	0.035000

Name: 203519_380 Group: CORE
Encroachment: No

Survey: PH2 by ZNS in 2008

Station(ft)	Elevation(ft)	Manning's N
0.000	34.520	0.060000
30.000	33.150	0.060000
49.000	31.640	0.060000

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57.000	30.150	0.060000
61.000	28.220	0.035000
65.000	27.160	0.035000
67.000	26.810	0.035000
69.000	26.960	0.035000
73.000	27.830	0.035000
83.000	31.250	0.035000
94.000	32.070	0.050000

Name: CORE1513MB_XOW Group: CORE
Encroachment: No

Terrain: 2004 LIDAR/TIN

Station(ft)	Elevation(ft)	Manning's N
0.000	35.950	0.000000
775.000	35.090	0.000000
890.330	35.800	0.000000

Name: DITCH Group: CORE
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
-30.000	34.040	0.045000
-26.000	34.040	0.045000
-5.000	27.040	0.020000
5.000	27.040	0.020000
26.000	34.040	0.045000
30.000	34.040	0.045000

==========
==== Operating Tables ==========
==========

Name: FDOT LAKE Group: CORE
Type: Rating Curve
Function: Time vs. Discharge

Time(hrs)	Discharge(cfs)
0.00	0.00
14.70	28.60
24.00	0.00
999.00	0.00

==========
==== Pipes ==========
==========

Name: 9-21 From Node: 9-21 Length(ft): 35.00
Group: Tavistock To Node: 9-19 Count: 1
Friction Equation: Automatic

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Solution Algorithm:	Most Restrictive
Span(in):	30.00	30.00	Flow:	Both
Rise(in):	30.00	30.00	Entrance Loss Coef:	0.00
Invert(ft):	0.000	0.000	Exit Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Bend Loss Coef:	0.00
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
			Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

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```
---------------------------------------------------------------------------------------------------
         Name: Box Culvert         From Node: SR-70             Length(ft): 102.00
        Group: CORE                  To Node: N_HH03075             Count: 1
                                                          Friction Equation: Average Conveyance
               UPSTREAM       DOWNSTREAM                Solution Algorithm: Automatic
     Geometry: Rectangular    Rectangular                         Flow: Both
     Span(in): 120.00         120.00                    Entrance Loss Coef: 0.50
     Rise(in): 72.00          72.00                         Exit Loss Coef: 0.00
   Invert(ft): 27.240         27.000                        Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dn
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares


---------------------------------------------------------------------------------------------------
         Name: BOX CULVERT 1       From Node: BOX 1-IN tw       Length(ft): 130.00
        Group: CORE                  To Node: BOX 1-OUT             Count: 2
                                                          Friction Equation: Average Conveyance
               UPSTREAM       DOWNSTREAM                Solution Algorithm: Automatic
     Geometry: Rectangular    Rectangular                         Flow: Both
     Span(in): 120.00         120.00                    Entrance Loss Coef: 0.20
     Rise(in): 60.00          60.00                         Exit Loss Coef: 0.00
   Invert(ft): 30.060         29.890                        Bend Loss Coef: 0.00
  Manning's N: 0.012000       0.012000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dn
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares


---------------------------------------------------------------------------------------------------
         Name: BOX CULVERT 2       From Node: BOX 2-IN          Length(ft): 60.00
        Group: CORE                  To Node: BOX 2-OUT             Count: 2
                                                          Friction Equation: Average Conveyance
               UPSTREAM       DOWNSTREAM                Solution Algorithm: Automatic
     Geometry: Rectangular    Rectangular                         Flow: Both
     Span(in): 120.00         120.00                    Entrance Loss Coef: 0.20
     Rise(in): 60.00          60.00                         Exit Loss Coef: 0.00
   Invert(ft): 28.320         28.250                        Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dn
 Bot Clip(in): 0.000          0.000                     Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares

Downstream FHWA Inlet Edge Description:
Rectangular Box: 30° to 75° wingwall flares


---------------------------------------------------------------------------------------------------
         Name: Outfall-1           From Node: MH-1-PB-tw        Length(ft): 200.00
        Group: CORE                  To Node: BOX 1-OUT             Count: 1
                                                          Friction Equation: Average Conveyance
               UPSTREAM       DOWNSTREAM                Solution Algorithm: Automatic
     Geometry: Circular       Circular                            Flow: Both
     Span(in): 36.00          36.00                     Entrance Loss Coef: 0.50
     Rise(in): 36.00          36.00                         Exit Loss Coef: 1.00
```


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Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dn
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name: P-100 From Node: L-100B Length(ft): 215.00
Group: CORE To Node: L-100A Count: 1
Friction Equation: Average Conveyance

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Solution Algorithm:	Automatic
Span(in):	30.00	30.00	Flow:	Both
Rise(in):	30.00	30.00	Entrance Loss Coef:	0.50
Invert(ft):	27.420	27.420	Exit Loss Coef:	1.00
Manning's N:	0.013000	0.013000	Bend Loss Coef:	0.00
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
			Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name: P-100 TAV From Node: 100-5 Length(ft): 25.00
Group: Tavistock To Node: 9-16 Count: 1
Friction Equation: Automatic

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Solution Algorithm:	Most Restrictive
Span(in):	36.00	36.00	Flow:	Both
Rise(in):	36.00	36.00	Entrance Loss Coef:	0.20
Invert(ft):	0.000	0.000	Exit Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Bend Loss Coef:	0.00
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
			Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name: P-100-10 From Node: 100-10 Length(ft): 135.00
Group: Tavistock To Node: 100-8 Count: 1
Friction Equation: Automatic

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Solution Algorithm:	Most Restrictive
Span(in):	24.00	24.00	Flow:	Both
Rise(in):	24.00	24.00	Entrance Loss Coef:	0.20
Invert(ft):	0.000	0.000	Exit Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Bend Loss Coef:	0.00
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
			Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

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Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-100-11	From Node:	100-11	Length(ft): 25.00
Group:	Tavistock	To Node:	100-10	Count: 1
				Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular		Flow: Both
Span(in):	18.00	18.00		Entrance Loss Coef: 0.20
Rise(in):	18.00	18.00		Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000		Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-100-12	From Node:	100-12	Length(ft): 125.00
Group:	Tavistock	To Node:	100-10	Count: 1
				Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular		Flow: Both
Span(in):	24.00	24.00		Entrance Loss Coef: 0.00
Rise(in):	24.00	24.00		Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000		Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-100-13	From Node:	100-13	Length(ft): 115.00
Group:	Tavistock	To Node:	100-12	Count: 1
				Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular		Flow: Both
Span(in):	24.00	24.00		Entrance Loss Coef: 0.20
Rise(in):	24.00	24.00		Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000		Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-100-14	From Node:	100-14	Length(ft): 25.00
Group:	Tavistock	To Node:	100-13	Count: 1

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			Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular	Flow:	Both
Span(in):	18.00	18.00	Entrance Loss Coef:	0.20
Rise(in):	18.00	18.00	Exit Loss Coef:	0.00
Invert(ft):	0.000	0.000	Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-100-2	From Node:	100-2
Group:	Tavistock	To Node:	L-100B

Length(ft):	135.00			
Count:	1			
Friction Equation:	Automatic			
	UPSTREAM	DOWNSTREAM	Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular	Flow:	Both
Span(in):	30.00	30.00	Entrance Loss Coef:	0.20
Rise(in):	30.00	30.00	Exit Loss Coef:	1.00
Invert(ft):	0.000	0.000	Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-100-3	From Node:	100-3
Group:	Tavistock	To Node:	100-2

Length(ft):	155.00			
Count:	1			
Friction Equation:	Automatic			
	UPSTREAM	DOWNSTREAM	Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular	Flow:	Both
Span(in):	18.00	18.00	Entrance Loss Coef:	0.20
Rise(in):	18.00	18.00	Exit Loss Coef:	0.00
Invert(ft):	0.000	0.000	Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-100-4	From Node:	100-4
Group:	Tavistock	To Node:	100-2

Length(ft):	190.00			
Count:	1			
Friction Equation:	Automatic			
	UPSTREAM	DOWNSTREAM	Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular	Flow:	Both
Span(in):	36.00	36.00	Entrance Loss Coef:	0.20
Rise(in):	36.00	36.00	Exit Loss Coef:	0.00
Invert(ft):	0.000	0.000	Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option:	None

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Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-100-5	From Node:	100-5	Length(ft):	110.00
Group:	Tavistock	To Node:	100-4	Count:	1
				Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular		Flow:	Both
Span(in):	36.00	36.00		Entrance Loss Coef:	0.20
Rise(in):	36.00	36.00		Exit Loss Coef:	0.00
Invert(ft):	0.000	0.000		Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-100-6	From Node:	100-6	Length(ft):	75.00
Group:	Tavistock	To Node:	100-4	Count:	1
				Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular		Flow:	Both
Span(in):	18.00	18.00		Entrance Loss Coef:	0.20
Rise(in):	18.00	18.00		Exit Loss Coef:	0.00
Invert(ft):	0.000	0.000		Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-100-8	From Node:	100-8	Length(ft):	50.00
Group:	Tavistock	To Node:	L-100B	Count:	1
				Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular		Flow:	Both
Span(in):	30.00	30.00		Entrance Loss Coef:	0.00
Rise(in):	30.00	30.00		Exit Loss Coef:	1.00
Invert(ft):	0.000	0.000		Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

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Name:	P-100-9	From Node: 100-9	Length(ft): 30.00
Group:	Tavistock	To Node: 100-8	Count: 1
			Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	18.00	18.00	Entrance Loss Coef: 0.20
Rise(in):	18.00	18.00	Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-5	From Node: Lake 5	Length(ft): 180.00
Group:	CORE	To Node: Lake 6	Count: 1
			Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	36.00	36.00	Entrance Loss Coef: 0.50
Rise(in):	36.00	36.00	Exit Loss Coef: 1.00
Invert(ft):	27.830	27.830	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-10	From Node: 9-10	Length(ft): 155.00
Group:	Tavistock	To Node: 9-9	Count: 1
			Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	42.00	42.00	Entrance Loss Coef: 0.00
Rise(in):	42.00	42.00	Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-11	From Node: 9-11	Length(ft): 25.00
Group:	Tavistock	To Node: 9-10	Count: 1
			Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	42.00	42.00	Entrance Loss Coef: 0.00

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```
     Rise(in): 42.00          42.00                     Exit Loss Coef: 0.00
   Invert(ft): 0.000          0.000                     Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                    Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                   Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


--------------------------------------------------------------------------------------------------------
         Name: P-9-12             From Node: 9-12              Length(ft): 90.00
        Group: Tavistock            To Node: 9-11                   Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                         Flow: Both
     Span(in): 42.00          42.00                     Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                         Exit Loss Coef: 0.00
   Invert(ft): 0.000          0.000                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                    Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                   Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


--------------------------------------------------------------------------------------------------------
         Name: P-9-13             From Node: 9-13              Length(ft): 90.00
        Group: Tavistock            To Node: 9-12                   Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                         Flow: Both
     Span(in): 42.00          42.00                     Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                         Exit Loss Coef: 0.00
   Invert(ft): 0.000          0.000                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                    Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                   Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


--------------------------------------------------------------------------------------------------------
         Name: P-9-14             From Node: 9-14              Length(ft): 130.00
        Group: Tavistock            To Node: 9-13                   Count: 1
                                                          Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                         Flow: Both
     Span(in): 42.00          42.00                     Entrance Loss Coef: 0.20
     Rise(in): 42.00          42.00                         Exit Loss Coef: 0.00
   Invert(ft): 0.000          0.000                         Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                    Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                   Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
```


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Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-15	From Node:	9-15	Length(ft):	190.00
Group:	Tavistock	To Node:	9-14	Count:	1
				Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular		Flow:	Both
Span(in):	42.00	42.00		Entrance Loss Coef:	0.20
Rise(in):	42.00	42.00		Exit Loss Coef:	0.00
Invert(ft):	0.000	0.000		Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-16	From Node:	9-16	Length(ft):	110.00
Group:	Tavistock	To Node:	9-15	Count:	1
				Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular		Flow:	Both
Span(in):	42.00	42.00		Entrance Loss Coef:	0.20
Rise(in):	42.00	42.00		Exit Loss Coef:	0.00
Invert(ft):	0.000	0.000		Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-18	From Node:	9-18	Length(ft):	35.00
Group:	Tavistock	To Node:	CORE Lake-9	Count:	1
				Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular		Flow:	Both
Span(in):	30.00	30.00		Entrance Loss Coef:	0.00
Rise(in):	30.00	30.00		Exit Loss Coef:	1.00
Invert(ft):	0.000	0.000		Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-19	From Node:	9-19	Length(ft):	285.00

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```
       Group: Tavistock            To Node: 9-18                  Count: 1
                                                       Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM               Solution Algorithm: Most Restrictive
    Geometry: Circular       Circular                               Flow: Both
    Span(in): 30.00          30.00                    Entrance Loss Coef: 0.20
    Rise(in): 30.00          30.00                        Exit Loss Coef: 0.00
   Invert(ft): 0.000         0.000                        Bend Loss Coef: 0.00
  Manning's N: 0.013000      0.013000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000         0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000         0.000                    Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


--------------------------------------------------------------------------------------------------------
        Name: P-9-20             From Node: 9-20             Length(ft): 25.00
       Group: Tavistock            To Node: 9-19                  Count: 1
                                                       Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM               Solution Algorithm: Most Restrictive
    Geometry: Circular       Circular                               Flow: Both
    Span(in): 18.00          18.00                    Entrance Loss Coef: 0.20
    Rise(in): 18.00          18.00                        Exit Loss Coef: 0.00
   Invert(ft): 0.000         0.000                        Bend Loss Coef: 0.00
  Manning's N: 0.013000      0.013000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000         0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000         0.000                    Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


--------------------------------------------------------------------------------------------------------
        Name: P-9-22             From Node: 9-22             Length(ft): 58.00
       Group: Tavistock            To Node: 9-21                  Count: 1
                                                       Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM               Solution Algorithm: Most Restrictive
    Geometry: Circular       Circular                               Flow: Both
    Span(in): 18.00          18.00                    Entrance Loss Coef: 0.00
    Rise(in): 18.00          18.00                        Exit Loss Coef: 0.00
   Invert(ft): 0.000         0.000                        Bend Loss Coef: 0.00
  Manning's N: 0.013000      0.013000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000         0.000                      Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000         0.000                    Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


--------------------------------------------------------------------------------------------------------
        Name: P-9-23             From Node: 9-23             Length(ft): 43.00
       Group: Tavistock            To Node: 9-22                  Count: 1
                                                       Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM               Solution Algorithm: Most Restrictive
    Geometry: Circular       Circular                               Flow: Both
    Span(in): 18.00          18.00                    Entrance Loss Coef: 0.20
    Rise(in): 18.00          18.00                        Exit Loss Coef: 0.00
   Invert(ft): 0.000         0.000                        Bend Loss Coef: 0.00
  Manning's N: 0.013000      0.013000                  Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000         0.000                      Inlet Ctrl Spec: Use dc
```


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```
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-------------------------------------------------------------------------------------------------
         Name: P-9-24              From Node: 9-24              Length(ft): 212.00
        Group: Tavistock             To Node: 9-21                   Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                          Flow: Both
     Span(in): 24.00          24.00                      Entrance Loss Coef: 0.00
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 0.000          0.000                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-------------------------------------------------------------------------------------------------
         Name: P-9-25              From Node: 9-25              Length(ft): 228.00
        Group: Tavistock             To Node: 9-24                   Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                          Flow: Both
     Span(in): 24.00          24.00                      Entrance Loss Coef: 0.00
     Rise(in): 24.00          24.00                          Exit Loss Coef: 0.00
   Invert(ft): 0.000          0.000                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


-------------------------------------------------------------------------------------------------
         Name: P-9-26              From Node: 9-26              Length(ft): 28.00
        Group: Tavistock             To Node: 9-25                   Count: 1
                                                             Friction Equation: Automatic
               UPSTREAM       DOWNSTREAM                 Solution Algorithm: Most Restrictive
     Geometry: Circular       Circular                          Flow: Both
     Span(in): 18.00          18.00                      Entrance Loss Coef: 0.20
     Rise(in): 18.00          18.00                          Exit Loss Coef: 0.00
   Invert(ft): 0.000          0.000                          Bend Loss Coef: 0.00
  Manning's N: 0.013000       0.013000                    Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                      Stabilizer Option: None


Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall
```


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Name: P-9-27	From Node: 9-27	Length(ft): 68.00	
Group: Tavistock	To Node: 9-25	Count: 1	
		Friction Equation: Automatic	
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	18.00	18.00	Entrance Loss Coef: 0.20
Rise(in):	18.00	18.00	Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name: P-9-28	From Node: 9-28	Length(ft): 55.00	
Group: Tavistock	To Node: 9-24	Count: 1	
		Friction Equation: Automatic	
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	18.00	18.00	Entrance Loss Coef: 0.20
Rise(in):	18.00	18.00	Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name: P-9-29	From Node: 9-29	Length(ft): 35.00	
Group: Tavistock	To Node: 9-28	Count: 1	
		Friction Equation: Automatic	
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	18.00	18.00	Entrance Loss Coef: 0.20
Rise(in):	18.00	18.00	Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name: P-9-30	From Node: 9-30	Length(ft): 136.00	
Group: Tavistock	To Node: 9-28	Count: 1	
		Friction Equation: Automatic	
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both

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Span(in):	18.00	18.00	Entrance Loss Coef:	0.20
Rise(in):	18.00	18.00	Exit Loss Coef:	0.00
Invert(ft):	0.000	0.000	Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-31	From Node: 9-31	Length(ft):	25.00
Group:	Tavistock	To Node: 9-30	Count:	1
			Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular	Flow:	Both
Span(in):	18.00	18.00	Entrance Loss Coef:	0.20
Rise(in):	18.00	18.00	Exit Loss Coef:	0.00
Invert(ft):	0.000	0.000	Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-32	From Node: 9-32	Length(ft):	76.00
Group:	Tavistock	To Node: 9-11	Count:	1
			Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular	Flow:	Both
Span(in):	24.00	24.00	Entrance Loss Coef:	0.00
Rise(in):	24.00	24.00	Exit Loss Coef:	0.00
Invert(ft):	0.000	0.000	Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-33	From Node: 9-33	Length(ft):	148.00
Group:	Tavistock	To Node: 9-32	Count:	1
			Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular	Flow:	Both
Span(in):	24.00	24.00	Entrance Loss Coef:	0.20
Rise(in):	24.00	24.00	Exit Loss Coef:	0.00
Invert(ft):	0.000	0.000	Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option:	None

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Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-34	From Node:	9-34	Length(ft): 25.00
Group:	Tavistock	To Node:	9-33	Count: 1
				Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular		Flow: Both
Span(in):	18.00	18.00		Entrance Loss Coef: 0.20
Rise(in):	18.00	18.00		Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000		Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-35	From Node:	9-35	Length(ft): 181.00
Group:	Tavistock	To Node:	9-33	Count: 1
				Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular		Flow: Both
Span(in):	18.00	18.00		Entrance Loss Coef: 0.00
Rise(in):	18.00	18.00		Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000		Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-36	From Node:	9-36	Length(ft): 24.00
Group:	Tavistock	To Node:	9-35	Count: 1
				Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular		Flow: Both
Span(in):	18.00	18.00		Entrance Loss Coef: 0.20
Rise(in):	18.00	18.00		Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000		Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

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Name:	P-9-37	From Node: 9-37	Length(ft): 75.00
Group:	Tavistock	To Node: 9-14	Count: 1
			Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	18.00	18.00	Entrance Loss Coef: 0.20
Rise(in):	18.00	18.00	Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-38	From Node: 9-38	Length(ft): 151.00
Group:	Tavistock	To Node: 9-15	Count: 1
			Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	18.00	18.00	Entrance Loss Coef: 0.00
Rise(in):	18.00	18.00	Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-39	From Node: 9-39	Length(ft): 193.00
Group:	Tavistock	To Node: 9-16	Count: 1
			Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	30.00	30.00	Entrance Loss Coef: 0.20
Rise(in):	30.00	30.00	Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-40	From Node: 9-40	Length(ft): 164.00
Group:	Tavistock	To Node: 9-39	Count: 1
			Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular	Flow: Both
Span(in):	18.00	18.00	Entrance Loss Coef: 0.20
Rise(in):	18.00	18.00	Exit Loss Coef: 0.00
Invert(ft):	0.000	0.000	Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw

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Top Clip(in):	0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-41	From Node:	9-41	Length(ft):	57.00
Group:	Tavistock	To Node:	9-40	Count:	1
				Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular		Flow:	Both
Span(in):	18.00	18.00		Entrance Loss Coef:	0.20
Rise(in):	18.00	18.00		Exit Loss Coef:	0.00
Invert(ft):	0.000	0.000		Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-42	From Node:	9-42	Length(ft):	45.00
Group:	Tavistock	To Node:	9-39	Count:	1
				Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular		Flow:	Both
Span(in):	18.00	18.00		Entrance Loss Coef:	0.20
Rise(in):	18.00	18.00		Exit Loss Coef:	0.00
Invert(ft):	0.000	0.000		Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-9-43	From Node:	9-43	Length(ft):	25.00
Group:	Tavistock	To Node:	9-9	Count:	1
				Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular		Flow:	Both
Span(in):	18.00	18.00		Entrance Loss Coef:	0.20
Rise(in):	18.00	18.00		Exit Loss Coef:	0.00
Invert(ft):	0.000	0.000		Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:

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Circular Concrete: Square edge w/ headwall

Name:	P-9-9	From Node:	9-9	Length(ft): 45.00
Group:	Tavistock	To Node:	CORE Lake-9	Count: 1
				Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular		Flow: Both
Span(in):	42.00	42.00		Entrance Loss Coef: 0.20
Rise(in):	42.00	42.00		Exit Loss Coef: 1.00
Invert(ft):	0.000	0.000		Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P-BB-1	From Node:	BB-1	Length(ft): 212.00
Group:	CORE	To Node:	NW-W22	Count: 1
				Friction Equation: Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Most Restrictive
Geometry:	Circular	Circular		Flow: Both
Span(in):	36.00	36.00		Entrance Loss Coef: 0.00
Rise(in):	36.00	36.00		Exit Loss Coef: 0.50
Invert(ft):	25.970	25.000		Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P03-BR	From Node:	N-W22	Length(ft): 180.00
Group:	CORE	To Node:	N_HH00010	Count: 1
				Friction Equation: Average Conveyance
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Automatic
Geometry:	Circular	Circular		Flow: Both
Span(in):	42.00	42.00		Entrance Loss Coef: 0.20
Rise(in):	42.00	42.00		Exit Loss Coef: 0.00
Invert(ft):	28.230	26.090		Bend Loss Coef: 0.00
Manning's N:	0.013000	0.013000		Outlet Ctrl Spec: Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec: Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P03-BRc	From Node:	N-W22	Length(ft): 180.00
Group:	CORE	To Node:	N_HH00010	Count: 1
				Friction Equation: Average Conveyance
	UPSTREAM	DOWNSTREAM		Solution Algorithm: Automatic

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Geometry:	Circular	Circular	Flow:	Both
Span(in):	42.00	42.00	Entrance Loss Coef:	0.20
Rise(in):	42.00	42.00	Exit Loss Coef:	0.00
Invert(ft):	27.300	26.080	Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P07-BR	From Node: N15-BR	Length(ft):	176.00
Group:	CORE	To Node: TailW W24	Count:	1
			Friction Equation:	Average Conveyance
	UPSTREAM	DOWNSTREAM	Solution Algorithm:	Automatic
Geometry:	Circular	Circular	Flow:	Both
Span(in):	36.00	36.00	Entrance Loss Coef:	0.50
Rise(in):	36.00	36.00	Exit Loss Coef:	1.00
Invert(ft):	29.490	29.490	Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P_HH00015A	From Node: N_HH00015	Length(ft):	163.20
Group:	CORE	To Node: N_HH00020	Count:	1
			Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular	Flow:	Both
Span(in):	42.00	42.00	Entrance Loss Coef:	0.50
Rise(in):	42.00	42.00	Exit Loss Coef:	0.00
Invert(ft):	23.160	22.520	Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Survey: PHA by Jones Edmunds (WO3); data revised per updated 3/1/10 survey data

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Name:	P_HH00015B	From Node: N_HH00015	Length(ft):	162.54
Group:	CORE	To Node: N_HH00020	Count:	1
			Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular	Flow:	Both
Span(in):	42.00	42.00	Entrance Loss Coef:	0.50
Rise(in):	42.00	42.00	Exit Loss Coef:	0.00
Invert(ft):	25.450	25.360	Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option:	None

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Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Survey: PHA by Jones Edmunds (WO3); data revised per updated 3/1/10 survey data

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Name:	P_HH09005a	From Node: NW-W28a	Length(ft):	18.00
Group:	CORE	To Node: NW-W28b	Count:	1
			Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular	Flow:	Both
Span(in):	24.00	24.00	Entrance Loss Coef:	0.90
Rise(in):	24.00	24.00	Exit Loss Coef:	0.00
Invert(ft):	31.690	30.830	Bend Loss Coef:	0.00
Manning's N:	0.024000	0.024000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Downstream FHWA Inlet Edge Description:
Circular CMP: Projecting

Name:	P_HH09040A	From Node: N_HH09040	Length(ft):	112.98
Group:	CORE	To Node: BOX 1-OUT	Count:	1
			Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular	Flow:	Both
Span(in):	36.00	36.00	Entrance Loss Coef:	0.50
Rise(in):	36.00	36.00	Exit Loss Coef:	0.00
Invert(ft):	29.850	29.930	Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Survey: PHA by Jones Edmunds (WO3)

Name:	P_HH09040B	From Node: N_HH09040	Length(ft):	112.64
Group:	CORE	To Node: BOX 1-OUT	Count:	1
			Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM	Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular	Flow:	Both
Span(in):	36.00	36.00	Entrance Loss Coef:	0.50
Rise(in):	36.00	36.00	Exit Loss Coef:	0.00
Invert(ft):	29.910	30.040	Bend Loss Coef:	0.00
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Survey: PHA by Jones Edmunds (WO3)

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```
================================================================================
==== Channels ==================================================================
================================================================================

          Name: C05-BR              From Node: N05-BR            Length(ft): 205.00
         Group: CORE                  To Node: BB-1                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Trapezoidal    Trapezoidal              Solution Algorithm: Automatic
    Invert(ft): 31.900         30.000                              Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.000
   Manning's N: 0.027000       0.027000                    Expansion Coef: 0.000
  Top Clip(ft): 0.000          0.000                  Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                      Exit Loss Coef: 0.000
     Main XSec:                                        Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                       Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 4.000          4.000
  LtSdSlp(h/v): 3.00           3.00
  RtSdSlp(h/v): 3.00           3.00



--------------------------------------------------------------------------------------------------
          Name: C_HH00010           From Node: N_HH00010         Length(ft): 1465.00
         Group: CORE                  To Node: N_HH00015            Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 29.260         23.160                              Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.100
   Manning's N:                                          Expansion Coef: 0.300
  Top Clip(ft):                                      Entrance Loss Coef: 0.000
  Bot Clip(ft):                                          Exit Loss Coef: 0.000
     Main XSec: 203519_299      203519_304              Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                    Inlet Ctrl Spec: Use dc
     Aux XSec1:                                       Stabilizer Option: None
  AuxElev2(ft): 0.000           0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



--------------------------------------------------------------------------------------------------
          Name: C_HH03075           From Node: N_HH03075         Length(ft): 524.00
         Group: CORE                  To Node: N_HH03085            Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 26.810         24.910                              Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.100
   Manning's N:                                          Expansion Coef: 0.300
  Top Clip(ft):                                      Entrance Loss Coef: 0.000
  Bot Clip(ft):                                          Exit Loss Coef: 0.000
     Main XSec: 203519_380      203519_346              Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                    Inlet Ctrl Spec: Use dc
     Aux XSec1:                                       Stabilizer Option: None
  AuxElev2(ft): 0.000           0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



--------------------------------------------------------------------------------------------------
          Name: C_HH09010           From Node: NW-W28b           Length(ft): 1192.00
         Group: CORE                  To Node: N_HH09020            Count: 1
```


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```
               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Irregular      Irregular                Solution Algorithm: Automatic
   Invert(ft): 30.990         29.200                              Flow: Both
TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.100
  Manning's N:                                             Expansion Coef: 0.300
 Top Clip(ft):                                         Entrance Loss Coef: 0.000
 Bot Clip(ft):                                             Exit Loss Coef: 0.000
    Main XSec: 173519_358     173519_359                Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                      Inlet Ctrl Spec: Use dc
    Aux XSec1:                                          Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


-------------------------------------------------------------------------------------------------
         Name: C_HH09020           From Node: N_HH09020          Length(ft): 936.00
        Group: CORE                  To Node: NW-W23A W23B           Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Irregular      Irregular                Solution Algorithm: Automatic
   Invert(ft): 29.160         29.200                              Flow: Both
TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.100
  Manning's N:                                             Expansion Coef: 0.300
 Top Clip(ft):                                         Entrance Loss Coef: 0.000
 Bot Clip(ft):                                             Exit Loss Coef: 0.000
    Main XSec: 173519_360     173519_378                Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                      Inlet Ctrl Spec: Use dc
    Aux XSec1:                                          Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


-------------------------------------------------------------------------------------------------
         Name: DITCH 2             From Node: BOX 1-OUT          Length(ft): 470.00
        Group: CORE                  To Node: BOX 2-IN               Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Irregular      Irregular                Solution Algorithm: Automatic
   Invert(ft): 28.930         28.320                              Flow: Both
TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.000
  Manning's N:                                             Expansion Coef: 0.000
 Top Clip(ft):                                         Entrance Loss Coef: 0.000
 Bot Clip(ft):                                             Exit Loss Coef: 0.000
    Main XSec: DITCH          DITCH                     Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                      Inlet Ctrl Spec: Use dn
    Aux XSec1:                                          Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


-------------------------------------------------------------------------------------------------
         Name: DITCH 3             From Node: BOX 2-OUT          Length(ft): 185.00
        Group: CORE                  To Node: DITCH 4                Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Irregular      Irregular                Solution Algorithm: Automatic
   Invert(ft): 28.250         28.010                              Flow: Both
TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.000
  Manning's N:                                             Expansion Coef: 0.000
```


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Top Clip(ft):			Entrance Loss Coef:	0.000	
Bot Clip(ft):			Exit Loss Coef:	0.000	
Main XSec:	DITCH	DITCH	Outlet Ctrl Spec:	Use dc or tw	
AuxElev1(ft):	0.000	0.000	Inlet Ctrl Spec:	Use dn	
Aux XSec1:			Stabilizer Option:	None	
AuxElev2(ft):	0.000	0.000			
Aux XSec2:					
Top Width(ft):					
Depth(ft):					
Bot Width(ft):					
LtSdSlp(h/v):					
RtSdSlp(h/v):					

Name:	DITCH 4	From Node: DITCH 4	Length(ft):	210.00	
Group:	CORE	To Node: DITCH 5	Count:	1	
	UPSTREAM	DOWNSTREAM	Friction Equation:	Average Conveyance	
Geometry:	Irregular	Irregular	Solution Algorithm:	Automatic	
Invert(ft):	28.010	27.740	Flow:	Both	
TClpInitZ(ft):	9999.000	9999.000	Contraction Coef:	0.000	
Manning's N:			Expansion Coef:	0.000	
Top Clip(ft):			Entrance Loss Coef:	0.000	
Bot Clip(ft):			Exit Loss Coef:	0.000	
Main XSec:	DITCH	DITCH	Outlet Ctrl Spec:	Use dc or tw	
AuxElev1(ft):	0.000	0.000	Inlet Ctrl Spec:	Use dn	
Aux XSec1:			Stabilizer Option:	None	
AuxElev2(ft):	0.000	0.000			
Aux XSec2:					
Top Width(ft):					
Depth(ft):					
Bot Width(ft):					
LtSdSlp(h/v):					
RtSdSlp(h/v):					

Name:	DITCH 5	From Node: DITCH 5	Length(ft):	340.00	
Group:	CORE	To Node: SR-70	Count:	1	
	UPSTREAM	DOWNSTREAM	Friction Equation:	Average Conveyance	
Geometry:	Irregular	Irregular	Solution Algorithm:	Automatic	
Invert(ft):	27.740	27.240	Flow:	Both	
TClpInitZ(ft):	9999.000	9999.000	Contraction Coef:	0.000	
Manning's N:			Expansion Coef:	0.000	
Top Clip(ft):			Entrance Loss Coef:	0.000	
Bot Clip(ft):			Exit Loss Coef:	0.000	
Main XSec:	DITCH	DITCH	Outlet Ctrl Spec:	Use dc or tw	
AuxElev1(ft):	0.000	0.000	Inlet Ctrl Spec:	Use dn	
Aux XSec1:			Stabilizer Option:	None	
AuxElev2(ft):	0.000	0.000			
Aux XSec2:					
Top Width(ft):					
Depth(ft):					
Bot Width(ft):					
LtSdSlp(h/v):					
RtSdSlp(h/v):					

Drop Structures

Name:	BB-9	From Node: NW-W22	Length(ft):	20.00	
Group:	CORE	To Node: BB-9	Count:	1	
	UPSTREAM	DOWNSTREAM	Friction Equation:	Automatic	
Geometry:	Circular	Circular	Solution Algorithm:	Most Restrictive	
Span(in):	48.00	48.00	Flow:	Both	
Rise(in):	48.00	48.00	Entrance Loss Coef:	0.200	
Invert(ft):	27.510	27.550	Exit Loss Coef:	0.500	
Manning's N:	0.013000	0.013000	Outlet Ctrl Spec:	Use dc or tw	
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc	
Bot Clip(in):	0.000	0.000	Solution Incs:	10	

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Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

*** Weir 1 of 2 for Drop Structure BB-9 ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	230.00	Invert(ft):	31.300
Rise(in):	9.96	Control Elev(ft):	31.300

*** Weir 2 of 2 for Drop Structure BB-9 ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Horizontal	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	52.69	Invert(ft):	32.300
Rise(in):	80.00	Control Elev(ft):	32.300

Name:	CS-100A	From Node: L-100A	Length(ft): 80.00
Group:	CORE	To Node: SR-70	Count: 1

	UPSTREAM	DOWNSTREAM		
			Friction Equation:	Average Conveyance
Geometry:	Circular	Circular	Solution Algorithm:	Automatic
Span(in):	30.00	30.00	Flow:	Both
Rise(in):	30.00	30.00	Entrance Loss Coef:	0.200
Invert(ft):	0.000	0.000	Exit Loss Coef:	0.200
Manning's N:	0.012000	0.012000	Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000	Solution Incs:	10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Modified Control Structure.

*** Weir 1 of 3 for Drop Structure CS-100A ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	20.64	Invert(ft):	32.000
Rise(in):	6.12	Control Elev(ft):	32.000

*** Weir 2 of 3 for Drop Structure CS-100A ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	100.00	Invert(ft):	32.510
Rise(in):	999.00	Control Elev(ft):	32.510

*** Weir 3 of 3 for Drop Structure CS-100A ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Horizontal	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600

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```
              Span(in): 52.69                     Invert(ft): 34.950
              Rise(in): 80.00                 Control Elev(ft): 34.950


-------------------------------------------------------------------------------------------------
         Name: CS-8               From Node: CORE Lake-8        Length(ft): 169.00
        Group: CORE                 To Node: CORE Lake-9             Count: 1

               UPSTREAM       DOWNSTREAM                Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 30.00          30.00                                Flow: Both
     Rise(in): 30.00          30.00                   Entrance Loss Coef: 0.000
   Invert(ft): 27.520         27.210                      Exit Loss Coef: 1.000
  Manning's N: 0.013000       0.013000                 Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                     Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 2 for Drop Structure CS-8 ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Vertical: Mavis           Top Clip(in): 0.000
                   Flow: Both                   Weir Disc Coef: 3.200
               Geometry: Rectangular          Orifice Disc Coef: 0.600

               Span(in): 150.00                     Invert(ft): 32.000
               Rise(in): 999.00                 Control Elev(ft): 32.000

*** Weir 2 of 2 for Drop Structure CS-8 ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Horizontal               Top Clip(in): 0.000
                   Flow: Both                   Weir Disc Coef: 3.200
               Geometry: Rectangular          Orifice Disc Coef: 0.600

               Span(in): 40.00                      Invert(ft): 33.900
               Rise(in): 52.69                  Control Elev(ft): 33.900


-------------------------------------------------------------------------------------------------
         Name: CS-9               From Node: CORE Lake-9        Length(ft): 20.00
        Group: CORE                 To Node: BB-9                    Count: 1

               UPSTREAM       DOWNSTREAM                Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 48.00          48.00                                Flow: Both
     Rise(in): 48.00          48.00                   Entrance Loss Coef: 0.200
   Invert(ft): 27.590         27.550                      Exit Loss Coef: 0.500
  Manning's N: 0.013000       0.013000                 Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                     Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                       Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 2 for Drop Structure CS-9 ***
                                                                                    TABLE
                  Count: 1                      Bottom Clip(in): 0.000
                   Type: Vertical: Mavis           Top Clip(in): 0.000
                   Flow: Both                   Weir Disc Coef: 3.200
               Geometry: Rectangular          Orifice Disc Coef: 0.600

               Span(in): 230.00                     Invert(ft): 32.510
               Rise(in): 999.00                 Control Elev(ft): 32.510

*** Weir 2 of 2 for Drop Structure CS-9 ***
```


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TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Horizontal	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	52.69	Invert(ft):	33.830
Rise(in):	80.00	Control Elev(ft):	33.830

Name:	CS-arena 1	From Node:	LAKE 1-arena	Length(ft):	209.00
Group:	CORE	To Node:	NW-W28A	Count:	1

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Friction Equation:	Average Conveyance
Span(in):	24.00	24.00	Solution Algorithm:	Automatic
Rise(in):	24.00	24.00	Flow:	Both
Invert(ft):	31.000	30.550	Entrance Loss Coef:	0.500
Manning's N:	0.013000	0.013000	Exit Loss Coef:	1.000
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dn
			Solution Incs:	10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

*** Weir 1 of 1 for Drop Structure CS-arena 1 ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	5.04	Invert(ft):	36.160
Rise(in):	999.00	Control Elev(ft):	35.940

Name:	CS-Lake-7	From Node:	Lake-7	Length(ft):	580.00
Group:	CORE	To Node:	N_HH09040	Count:	1

	UPSTREAM	DOWNSTREAM		
Geometry:	Circular	Circular	Friction Equation:	Automatic
Span(in):	42.00	42.00	Solution Algorithm:	Most Restrictive
Rise(in):	42.00	42.00	Flow:	Both
Invert(ft):	29.250	28.020	Entrance Loss Coef:	0.200
Manning's N:	0.013000	0.013000	Exit Loss Coef:	0.200
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dc
			Solution Incs:	10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

*** Weir 1 of 3 for Drop Structure CS-Lake-7 ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	16.46	Invert(ft):	33.630
Rise(in):	4.56	Control Elev(ft):	33.630

*** Weir 2 of 3 for Drop Structure CS-Lake-7 ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200

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```
              Geometry: Rectangular          Orifice Disc Coef: 0.600

              Span(in): 105.00                     Invert(ft): 34.010
              Rise(in): 999.00                Control Elev(ft): 34.010

*** Weir 3 of 3 for Drop Structure CS-Lake-7 ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular          Orifice Disc Coef: 0.600

              Span(in): 52.69                      Invert(ft): 35.480
              Rise(in): 80.00                 Control Elev(ft): 35.480


-------------------------------------------------------------------------------------------------
         Name: CS-Pond 7          From Node: DOT Pond 7         Length(ft): 32.00
        Group: CORE                 To Node: CS-DOT Pond 7           Count: 1

              UPSTREAM       DOWNSTREAM                Friction Equation: Average Conveyance
    Geometry: Circular       Circular                 Solution Algorithm: Automatic
    Span(in): 42.00          42.00                               Flow: Both
    Rise(in): 42.00          42.00                  Entrance Loss Coef: 0.500
   Invert(ft): 27.010        26.940                     Exit Loss Coef: 0.200
  Manning's N: 0.013000      0.013000                 Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000         0.000                     Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000         0.000                       Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall


*** Weir 1 of 3 for Drop Structure CS-Pond 7 ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular          Orifice Disc Coef: 0.600

              Span(in): 29.04                      Invert(ft): 30.840
              Rise(in): 3.72                  Control Elev(ft): 30.840

*** Weir 2 of 3 for Drop Structure CS-Pond 7 ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Vertical: Mavis           Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular          Orifice Disc Coef: 0.600

              Span(in): 70.00                      Invert(ft): 31.150
              Rise(in): 18.36                 Control Elev(ft): 31.150

*** Weir 3 of 3 for Drop Structure CS-Pond 7 ***
                                                                                TABLE
                 Count: 1                      Bottom Clip(in): 0.000
                  Type: Horizontal                Top Clip(in): 0.000
                  Flow: Both                    Weir Disc Coef: 3.200
              Geometry: Rectangular          Orifice Disc Coef: 0.600

              Span(in): 52.69                      Invert(ft): 32.680
              Rise(in): 80.00                 Control Elev(ft): 32.680


-------------------------------------------------------------------------------------------------
         Name: CS-Pond 7-2        From Node: NW-W22             Length(ft): 32.00
        Group: CORE                 To Node: CS-DOT Pond 7           Count: 1

              UPSTREAM       DOWNSTREAM                Friction Equation: Automatic
    Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
    Span(in): 42.00          42.00                               Flow: Both
    Rise(in): 42.00          42.00                  Entrance Loss Coef: 0.200
   Invert(ft): 26.880        26.940                     Exit Loss Coef: 1.000
  Manning's N: 0.013000      0.013000                 Outlet Ctrl Spec: Use dc or tw
```


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```
 Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                         Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 1 for Drop Structure CS-Pond 7-2 ***
                                                                                    TABLE
                   Count: 1                      Bottom Clip(in): 0.000
                    Type: Horizontal                Top Clip(in): 0.000
                    Flow: Both                   Weir Disc Coef: 3.200
                Geometry: Rectangular          Orifice Disc Coef: 0.600

                Span(in): 52.69                       Invert(ft): 30.110
                Rise(in): 80.00                Control Elev(ft): 30.110


-------------------------------------------------------------------------------------------------
         Name: CS-W22              From Node: NW-W22            Length(ft): 180.00
        Group: CORE                  To Node: N-W22                 Count: 1

               UPSTREAM       DOWNSTREAM                Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Most Restrictive
     Span(in): 42.00          42.00                                 Flow: Both
     Rise(in): 42.00          42.00                    Entrance Loss Coef: 0.200
   Invert(ft): 25.730         26.900                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall



*** Weir 1 of 2 for Drop Structure CS-W22 ***
                                                                                    TABLE
                   Count: 1                      Bottom Clip(in): 0.000
                    Type: Vertical: Mavis           Top Clip(in): 0.000
                    Flow: Both                   Weir Disc Coef: 3.200
                Geometry: Rectangular          Orifice Disc Coef: 0.600

                Span(in): 30.00                       Invert(ft): 29.270
                Rise(in): 36.72                Control Elev(ft): 29.270

*** Weir 2 of 2 for Drop Structure CS-W22 ***
                                                                                    TABLE
                   Count: 1                      Bottom Clip(in): 0.000
                    Type: Horizontal                Top Clip(in): 0.000
                    Flow: Both                   Weir Disc Coef: 3.200
                Geometry: Rectangular          Orifice Disc Coef: 0.600

                Span(in): 52.69                       Invert(ft): 32.500
                Rise(in): 80.00                Control Elev(ft): 32.500


-------------------------------------------------------------------------------------------------
         Name: D_HH00012a          From Node: N_HH00012         Length(ft): 16.00
        Group: CORE                  To Node: N_HH00015              Count: 1

               UPSTREAM       DOWNSTREAM                Friction Equation: Automatic
     Geometry: Circular       Circular                 Solution Algorithm: Automatic
     Span(in): 30.00          30.00                                 Flow: Both
     Rise(in): 30.00          30.00                    Entrance Loss Coef: 0.200
   Invert(ft): 27.970         28.020                       Exit Loss Coef: 0.000
  Manning's N: 0.013000       0.013000                   Outlet Ctrl Spec: Use dc or tw
 Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
 Bot Clip(in): 0.000          0.000                          Solution Incs: 10

Upstream FHWA Inlet Edge Description:
```


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Circular: Beveled ring, 33.7° bevels

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end w/ headwall

Survey: PH2 by ZNS in 2008

*** Weir 1 of 3 for Drop Structure D_HH00012a ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	12.00	Invert(ft):	29.410
Rise(in):	30.60	Control Elev(ft):	29.410

*** Weir 2 of 3 for Drop Structure D_HH00012a ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	16.00	Invert(ft):	30.000
Rise(in):	23.50	Control Elev(ft):	30.000

*** Weir 3 of 3 for Drop Structure D_HH00012a ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	48.00	Invert(ft):	31.710
Rise(in):	3.00	Control Elev(ft):	31.710

Name:	Lake 3-D	From Node:	LAKE 3-PB tw	Length(ft):	47.00
Group:	CORE	To Node:	DITCH 5	Count:	1

	UPSTREAM	DOWNSTREAM		
Geometry:	Horz Ellipse	Horz Ellipse	Friction Equation:	Average Conveyance
Span(in):	38.00	38.00	Solution Algorithm:	Automatic
Rise(in):	24.00	24.00	Flow:	Both
Invert(ft):	0.000	0.000	Entrance Loss Coef:	0.000
Manning's N:	0.013000	0.013000	Exit Loss Coef:	1.000
Top Clip(in):	0.000	0.000	Outlet Ctrl Spec:	Use dc or tw
Bot Clip(in):	0.000	0.000	Inlet Ctrl Spec:	Use dn
			Solution Incs:	10

Upstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

Downstream FHWA Inlet Edge Description:
Horizontal Ellipse Concrete: Square edge with headwall

*** Weir 1 of 2 for Drop Structure Lake 3-D ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	4.06	Invert(ft):	30.040
Rise(in):	5.41	Control Elev(ft):	30.040

*** Weir 2 of 2 for Drop Structure Lake 3-D ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	2.00	Invert(ft):	30.490
Rise(in):	999.00	Control Elev(ft):	30.490

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```
================================================================================================
==== Weirs =====================================================================================
================================================================================================

         Name:                     From Node:
        Group: Tavistock             To Node:
         Flow: Both                    Count: 1
         Type: Horizontal           Geometry: Circular

                    Span(in): 0.00
                    Rise(in): 0.00
                  Invert(ft): 0.000
       Control Elevation(ft): 0.000
                                          TABLE
              Bottom Clip(in): 0.000
                 Top Clip(in): 0.000
           Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600



------------------------------------------------------------------------------------------------
         Name: W-6A                From Node: Lake 6
        Group: CORE                  To Node: NW-W28a
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                    Span(in): 4.40
                    Rise(in): 999.00
                  Invert(ft): 33.160
       Control Elevation(ft): 33.160
                                          TABLE
              Bottom Clip(in): 0.000
                 Top Clip(in): 0.000
           Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600



------------------------------------------------------------------------------------------------
         Name: W-6B                From Node: Lake 6
        Group: CORE                  To Node: NW-W28a
         Flow: Both                    Count: 1
         Type: Vertical: Mavis      Geometry: Rectangular

                    Span(in): 24.00
                    Rise(in): 999.00
                  Invert(ft): 35.640
       Control Elevation(ft): 35.640
                                          TABLE
              Bottom Clip(in): 0.000
                 Top Clip(in): 0.000
           Weir Discharge Coef: 3.200
      Orifice Discharge Coef: 0.600



------------------------------------------------------------------------------------------------
         Name: W01-BR              From Node: NW-W23A W23B
        Group: CORE                  To Node: N05-BR
         Flow: Both                    Count: 1
         Type: Vertical: Fread      Geometry: Trapezoidal

             Bottom Width(ft): 8.00
        Left Side Slope(h/v): 4.00
       Right Side Slope(h/v): 4.00
                  Invert(ft): 32.110
       Control Elevation(ft): 32.110
      Struct Opening Dim(ft): 9999.00
                                          TABLE
              Bottom Clip(ft): 0.000
                 Top Clip(ft): 0.000
           Weir Discharge Coef: 2.600
      Orifice Discharge Coef: 0.600
```


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```
-------------------------------------------------------------------------------------------------
        Name: W06-BR              From Node: NW-W24
       Group: CORE                  To Node: N15-BR
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Trapezoidal

           Bottom Width(ft): 10.00
      Left Side Slope(h/v): 8.00
     Right Side Slope(h/v): 8.00
                Invert(ft): 31.370
     Control Elevation(ft): 31.370
    Struct Opening Dim(ft): 9999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
       Weir Discharge Coef: 2.600
    Orifice Discharge Coef: 0.600



-------------------------------------------------------------------------------------------------
        Name: W_HH01013C          From Node: NW-W24
       Group: CORE                  To Node: N_WS07010
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                        XSec: 08141302MB_XOW
                Invert(ft): 32.790
     Control Elevation(ft): 32.790
    Struct Opening Dim(ft): 9999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
       Weir Discharge Coef: 2.500
    Orifice Discharge Coef: 0.600



-------------------------------------------------------------------------------------------------
        Name: W_HH02030           From Node: N_HH02030
       Group: CORE                  To Node: N_HH00015
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                        XSec: 203519_332_XOW
                Invert(ft): 29.560
     Control Elevation(ft): 29.560
    Struct Opening Dim(ft): 9999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
       Weir Discharge Coef: 2.300
    Orifice Discharge Coef: 0.600

Terrain: 2004 LIDAR/TIN

-------------------------------------------------------------------------------------------------
        Name: W_HH09015C          From Node: N_HH09020
       Group: CORE                  To Node: N_WS07010
        Flow: Both                    Count: 1
        Type: Vertical: Fread      Geometry: Irregular

                        XSec: 1625MB_XOW
                Invert(ft): 32.460
     Control Elevation(ft): 32.460
    Struct Opening Dim(ft): 9999.00
                                          TABLE
           Bottom Clip(ft): 0.000
              Top Clip(ft): 0.000
       Weir Discharge Coef: 2.500
    Orifice Discharge Coef: 0.600



===============================================================================================
==== Rating Curves ============================================================================
===============================================================================================
```


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```
         Name: FDOT LAKE           From Node: MH-1-PB-tw             Count: 1
        Group: CORE                  To Node: BOX 1-OUT               Flow: Both

               TABLE           ELEV ON(ft)     ELEV OFF(ft)
          #1: FDOT LAKE       0.000           0.000
          #2:                 0.000           0.000
          #3:                 0.000           0.000
          #4:                 0.000           0.000


================================================================================
==== Hydrology Simulations ====================================================
================================================================================

         Name: 002Y001HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\002Y001HP.R3

      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: FDOT-1
    Rainfall Amount(in): 2.30

Time(hrs)       Print Inc(min)
--------------- ---------------
2.000           2.50

--------------------------------------------------------------------------------------------------------
         Name: 002Y001HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\002Y001HP.R3

      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: FDOT-1
    Rainfall Amount(in): 2.30

Time(hrs)       Print Inc(min)
--------------- ---------------
2.000           2.50

--------------------------------------------------------------------------------------------------------
         Name: 002Y002HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\002Y002HP.R3

      Override Defaults: Yes
    Storm Duration(hrs): 2.00
          Rainfall File: FDOT-2
    Rainfall Amount(in): 2.80

Time(hrs)       Print Inc(min)
--------------- ---------------
3.000           2.50

--------------------------------------------------------------------------------------------------------
         Name: 002Y004HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\002Y004HP.R3

      Override Defaults: Yes
    Storm Duration(hrs): 4.00
          Rainfall File: FDOT-4
    Rainfall Amount(in): 3.40

Time(hrs)       Print Inc(min)
--------------- ---------------
5.000           5.00

--------------------------------------------------------------------------------------------------------
         Name: 002Y008HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\002Y008HP.R3

      Override Defaults: Yes
    Storm Duration(hrs): 8.00
          Rainfall File: FDOT-8
    Rainfall Amount(in): 4.16

Time(hrs)       Print Inc(min)
--------------- ---------------
```


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9.000 5.00

Name: 002Y024HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\002Y024HP.R3

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 5.25

Time(hrs)	Print Inc(min)
25.000	5.00

Name: 002Y072HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\002Y072HP.R3

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 6.13

Time(hrs)	Print Inc(min)
73.000	5.00

Name: 003Y024HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\003Y024HP.R3

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Flmod
Rainfall Amount(in): 5.75

Time(hrs)	Print Inc(min)
30.000	15.00

Name: 005Y002HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\005Y002HP.R3

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 3.50

Time(hrs)	Print Inc(min)
3.000	2.50

Name: 005Y004HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\005Y004HP.R3

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 4.40

Time(hrs)	Print Inc(min)
5.000	5.00

Name: 005Y008HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\005Y008HP.R3

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 5.28

Time(hrs)	Print Inc(min)

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9.000 5.00

Name: 005Y024HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\005Y024HP.R3

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 6.75

Time(hrs)	Print Inc(min)
25.000	5.00

Name: 005Y072HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\005Y072HP.R3

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 8.35

Time(hrs)	Print Inc(min)
73.000	5.00

Name: 010Y001HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\010Y001HP.R3

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 3.15

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 010Y002HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\010Y002HP.R3

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 4.00

Time(hrs)	Print Inc(min)
3.000	2.50

Name: 010Y004HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\010Y004HP.R3

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 5.00

Time(hrs)	Print Inc(min)
5.000	5.00

Name: 010Y008HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\010Y008HP.R3

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 6.20

Time(hrs)	Print Inc(min)

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9.000 5.00

Name: 010Y024HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\010Y024HP.R3

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 8.00

Time(hrs)	Print Inc(min)
25.000	5.00

Name: 010Y072HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\010Y072HP.R3

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 9.53

Time(hrs)	Print Inc(min)
73.000	5.00

Name: 010yr24hr
Filename: C:\Users\twilkinson\Desktop\COREHome\SWFWMD\010yr24hr.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Flmod
Rainfall Amount(in): 7.00

Time(hrs)	Print Inc(min)
30.000	15.00

Name: 025Y001HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\025Y001HP.R3

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 3.60

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 025Y002HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\025Y002HP.R3

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 4.80

Time(hrs)	Print Inc(min)
3.000	2.50

Name: 025Y004HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\025Y004HP.R3

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 5.92

Time(hrs)	Print Inc(min)

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5.000 5.00

Name: 025Y008HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\025Y008HP.R3

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 7.20

Time(hrs)	Print Inc(min)
9.000	5.00

Name: 025Y024HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\025Y024HP.R3

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 9.40

Time(hrs)	Print Inc(min)
25.000	5.00

Name: 025Y072HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\025Y072HP.R3

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 12.00

Time(hrs)	Print Inc(min)
73.000	5.00

Name: 025yr24hr
Filename: C:\Users\twilkinson\Desktop\COREHome\SWFWMD\025yr24hr.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Flmod
Rainfall Amount(in): 8.00

Time(hrs)	Print Inc(min)
30.000	15.00

Name: 050Y001HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\050Y001HP.R3

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 4.00

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 050Y002HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\050Y002HP.R3

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 5.40

Time(hrs)	Print Inc(min)

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3.000 2.50

Name: 050Y004HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\050Y004HP.R3

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 6.40

Time(hrs)	Print Inc(min)
5.000	5.00

Name: 050Y008HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\050Y008HP.R3

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 8.00

Time(hrs)	Print Inc(min)
9.000	5.00

Name: 050Y024HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\050Y024HP.R3

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 10.40

Time(hrs)	Print Inc(min)
25.000	5.00

Name: 050Y072HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\050Y072HP.R3

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 13.60

Time(hrs)	Print Inc(min)
73.000	5.00

Name: 100Y001HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\100Y001HP.R3

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: FDOT-1
Rainfall Amount(in): 4.45

Time(hrs)	Print Inc(min)
2.000	2.50

Name: 100Y002HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\100Y002HP.R3

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: FDOT-2
Rainfall Amount(in): 6.00

Time(hrs)	Print Inc(min)

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3.000 2.50

Name: 100Y004HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\100Y004HP.R3

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: FDOT-4
Rainfall Amount(in): 7.20

Time(hrs)	Print Inc(min)
5.000	5.00

Name: 100Y008HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\100Y008HP.R3

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: FDOT-8
Rainfall Amount(in): 9.20

Time(hrs)	Print Inc(min)
9.000	5.00

Name: 100Y024HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\100Y024HP.R3

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: FDOT-24
Rainfall Amount(in): 11.80

Time(hrs)	Print Inc(min)
25.000	5.00

Name: 100Y072HP
Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\100Y072HP.R3

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: FDOT-72
Rainfall Amount(in): 15.43

Time(hrs)	Print Inc(min)
73.000	5.00

Name: 100yr24hr
Filename: C:\Users\twilkinson\Desktop\COREHome\SWFWMD\100yr24hr.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Flmod
Rainfall Amount(in): 10.00

Time(hrs)	Print Inc(min)
48.000	5.00

Name: 2.33yr24hr
Filename: C:\Users\twilkinson\Desktop\COREHome\SWFWMD\2.33yr24hr.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Flmod
Rainfall Amount(in): 4.50

Time(hrs)	Print Inc(min)

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```
96.000          5.00

-----------------------------------------------------------------------------------------------
         Name: 25Y24HFLMODP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\25Y24HFLMODP

      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: Flmod
    Rainfall Amount(in): 8.10

Time(hrs)       Print Inc(min)
--------------- ---------------
30.000          15.00

===============================================================================================
==== Routing Simulations ======================================================================
===============================================================================================

         Name: 002Y001H            Hydrology Sim: 002Y001HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\002Y001H.I32

      Execute: No          Restart: No           Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 2.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
2.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-----------------------------------------------------------------------------------------------
         Name: 002Y002H            Hydrology Sim: 002Y002HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\002Y002H.I32

      Execute: No          Restart: No           Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 3.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
3.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-----------------------------------------------------------------------------------------------
         Name: 002Y004H            Hydrology Sim: 002Y004HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\002Y004H.I32

      Execute: No          Restart: No           Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
```


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```
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 5.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
5.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 002Y008H            Hydrology Sim: 002Y008HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\002Y008H.I32

      Execute: No          Restart: No           Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 9.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
9.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 002Y024H            Hydrology Sim: 002Y024HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\002Y024H.I32

      Execute: No          Restart: No           Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 25.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
25.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 002Y072H            Hydrology Sim: 002Y072HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\002Y072H.I32

      Execute: No          Restart: No           Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
```


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```
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 73.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
73.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 003Y024H            Hydrology Sim: 003Y024HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\003Y024H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 47.50
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
48.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 005Y001H            Hydrology Sim: 005Y001HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\005Y001H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 2.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
2.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 005Y002H            Hydrology Sim: 005Y002HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\005Y002H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
```


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```
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 3.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
3.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-----------------------------------------------------------------------------------------------
         Name: 005Y004H            Hydrology Sim: 005Y004HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\005Y004H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 5.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
5.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-----------------------------------------------------------------------------------------------
         Name: 005Y008H            Hydrology Sim: 005Y008HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\005Y008H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 9.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
9.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-----------------------------------------------------------------------------------------------
         Name: 005Y024H            Hydrology Sim: 005Y024HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\005Y024H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
```


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```
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 25.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
25.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 005Y072H            Hydrology Sim: 005Y072HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\005Y072H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 73.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
73.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 010Y001H            Hydrology Sim: 010Y001HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\010Y001H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 2.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
2.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 010Y002H            Hydrology Sim: 010Y002HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\010Y002H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
```


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```
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                   End Time(hrs): 3.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
3.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-----------------------------------------------------------------------------------------------
         Name: 010Y004H            Hydrology Sim: 010Y004HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\010Y004H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                   End Time(hrs): 5.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
5.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-----------------------------------------------------------------------------------------------
         Name: 010Y008H            Hydrology Sim: 010Y008HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\010Y008H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                   End Time(hrs): 9.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
9.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-----------------------------------------------------------------------------------------------
         Name: 010Y024H            Hydrology Sim: 010Y024HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\010Y024H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
```


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```
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 25.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
25.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 010Y072H            Hydrology Sim: 010Y072HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\010Y072H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 73.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
73.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 025Y001H            Hydrology Sim: 025Y001HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\025Y001H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 2.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
2.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 025Y002H            Hydrology Sim: 025Y002HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\025Y002H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
```


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```
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 3.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
3.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-----------------------------------------------------------------------------------------------
         Name: 025Y004H            Hydrology Sim: 025Y004HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\025Y004H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 5.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
5.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-----------------------------------------------------------------------------------------------
         Name: 025Y008H            Hydrology Sim: 025Y008HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\025Y008H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 9.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
9.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-----------------------------------------------------------------------------------------------
         Name: 025Y024H            Hydrology Sim: 025Y024HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\025Y024H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
```


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```
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                   End Time(hrs): 25.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
25.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 025Y072H            Hydrology Sim: 025Y072HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\025Y072H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                   End Time(hrs): 73.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
73.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 050Y001H            Hydrology Sim: 050Y001HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\050Y001H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                   End Time(hrs): 2.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
2.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 050Y002H            Hydrology Sim: 050Y002HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\050Y002H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
```


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```
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 3.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
3.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-----------------------------------------------------------------------------------------------
         Name: 050Y004H            Hydrology Sim: 050Y004HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\050Y004H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 5.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
5.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-----------------------------------------------------------------------------------------------
         Name: 050Y008H            Hydrology Sim: 050Y008HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\050Y008H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 9.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
9.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-----------------------------------------------------------------------------------------------
         Name: 050Y024H            Hydrology Sim: 050Y024HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\050Y024H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
```


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```
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                   End Time(hrs): 25.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
25.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-----------------------------------------------------------------------------------------------
         Name: 050Y072H            Hydrology Sim: 050Y072HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\050Y072H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                   End Time(hrs): 73.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
73.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-----------------------------------------------------------------------------------------------
         Name: 100Y001H            Hydrology Sim: 100Y001HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\100Y001H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                   End Time(hrs): 2.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
2.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-----------------------------------------------------------------------------------------------
         Name: 100Y002H            Hydrology Sim: 100Y002HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\100Y002H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
```


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```
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 3.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
3.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-----------------------------------------------------------------------------------------------
         Name: 100Y004H            Hydrology Sim: 100Y004HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\100Y004H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 5.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
5.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-----------------------------------------------------------------------------------------------
         Name: 100Y008H            Hydrology Sim: 100Y008HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\100Y008H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 9.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
9.000           5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-----------------------------------------------------------------------------------------------
         Name: 100Y024H            Hydrology Sim: 100Y024HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\100Y024H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
```


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```
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 25.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages: 100YR24HR              Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
25.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-----------------------------------------------------------------------------------------------
         Name: 100Y072H            Hydrology Sim: 100Y072HP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\100Y072H.I32

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 73.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
73.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-----------------------------------------------------------------------------------------------
         Name: 100yr24hr           Hydrology Sim: 100yr24hr
     Filename: C:\Users\twilkinson\Desktop\COREHome\SWFWMD\100yr24hr.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 48.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages: 100YR24HR              Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-----------------------------------------------------------------------------------------------
         Name: 10yr24hr            Hydrology Sim: 010yr24hr
     Filename: C:\Users\twilkinson\Desktop\COREHome\SWFWMD\10yr24hr.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
```


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```
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 24.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages: 10yr25hr               Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 2.33yr24hr          Hydrology Sim: 2.33yr24hr
     Filename: C:\Users\twilkinson\Desktop\COREHome\SWFWMD\2.33yr24hr.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 96.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 96.0000
        Boundary Stages: 2.33yr24hr             Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 25Y24HFLMOD         Hydrology Sim: 25Y24HFLMODP
     Filename: V:\2156\active\215613303\civil\analysis\storm_master\models_working\post_development\25Y24HFLMOD.

      Execute: No          Restart: No            Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                  End Time(hrs): 25.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
48.000          15.000

Group           Run
--------------- -----
CORE            Yes
CORE West       Yes
Tavistock       Yes


-------------------------------------------------------------------------------------------------
         Name: 25yr24hr            Hydrology Sim: 025yr24hr
     Filename: C:\Users\twilkinson\Desktop\COREHome\SWFWMD\25yr24hr.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
```


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Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 24.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	15.000

Group	Run
CORE	Yes
CORE West	Yes
Tavistock	Yes

Boundary Conditions

Name: 100YR24HR Node: TailW W24 Type: Stage

Time(hrs)	Stage(ft)
0.000	32.880
4.000	32.910
7.000	33.020
10.000	33.240
11.750	33.510
13.000	34.520
15.000	34.660
17.000	34.630
19.000	34.590
22.000	34.510
25.000	34.400
28.000	34.260
31.000	34.130
34.000	34.030
37.000	33.940
40.000	33.860
48.000	33.780

Name: 100YR24HR Node: N_HH03085 Type: Stage

Time(hrs)	Stage(ft)
0.000	26.250
4.800	26.300
11.700	27.610
13.500	29.650
16.400	30.160
25.400	29.180
30.000	28.000
34.500	27.490
60.000	26.580

Name: 100YR24HR Node: N_WS07010 Type: Stage

Time(hrs)	Stage(ft)
0.000	27.630
2.600	27.630
5.300	29.170
11.900	29.620
13.400	29.950
14.900	29.860
16.700	30.060
22.600	29.610
30.000	29.190
40.000	28.810
50.000	28.560
60.000	28.400

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Name: 100YR24HR Node: BOX 1-IN tw Type: Stage

Time(hrs)	Stage(ft)
0.000	30.040
0.080	30.150
0.170	30.170
0.250	30.160
0.330	30.150
0.420	30.140
0.500	30.130
0.580	30.120
0.670	30.110
0.750	30.110
0.830	30.100
0.920	30.100
1.000	30.100
1.080	30.090
1.170	30.090
1.250	30.090
1.330	30.090
1.420	30.090
1.500	30.090
1.580	30.080
1.670	30.080
1.750	30.080
1.830	30.080
1.920	30.080
2.000	30.080
2.080	30.080
2.170	30.080
2.250	30.080
2.330	30.080
2.420	30.080
2.500	30.080
2.580	30.090
2.670	30.090
2.750	30.090
2.830	30.090
2.920	30.100
3.000	30.100
3.080	30.100
3.170	30.110
3.250	30.110
3.330	30.120
3.420	30.120
3.500	30.130
3.580	30.130
3.670	30.140
3.750	30.150
3.830	30.150
3.920	30.160
4.000	30.160
4.080	30.170
4.170	30.180
4.250	30.180
4.330	30.190
4.420	30.190
4.500	30.200
4.580	30.200
4.670	30.210
4.750	30.210
4.830	30.220
4.920	30.220
5.000	30.230
5.080	30.230
5.170	30.240
5.250	30.240
5.330	30.250
5.420	30.250
5.500	30.260
5.580	30.260
5.670	30.270
5.750	30.270
5.830	30.280
5.920	30.280
6.000	30.280
6.080	30.290

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6.170	30.290
6.250	30.300
6.330	30.300
6.420	30.300
6.500	30.310
6.580	30.310
6.670	30.320
6.750	30.320
6.830	30.320
6.920	30.330
7.000	30.330
7.080	30.340
7.170	30.340
7.250	30.350
7.330	30.350
7.420	30.360
7.500	30.360
7.580	30.370
7.670	30.370
7.750	30.380
7.830	30.390
7.920	30.390
8.000	30.400
8.080	30.410
8.170	30.420
8.250	30.430
8.330	30.440
8.420	30.440
8.500	30.450
8.580	30.460
8.670	30.470
8.750	30.480
8.830	30.490
8.920	30.500
9.000	30.510
9.080	30.520
9.170	30.530
9.250	30.540
9.330	30.550
9.420	30.570
9.500	30.580
9.580	30.590
9.670	30.600
9.750	30.610
9.830	30.630
9.920	30.640
10.000	30.650
10.080	30.660
10.170	30.680
10.250	30.690
10.330	30.700
10.420	30.720
10.500	30.730
10.580	30.750
10.670	30.760
10.750	30.780
10.830	30.790
10.920	30.810
11.000	30.830
11.080	30.850
11.170	30.870
11.250	30.880
11.330	30.900
11.420	30.920
11.500	30.940
11.580	30.960
11.670	30.980
11.750	31.000
11.830	31.040
11.920	31.120
12.000	31.250
12.080	31.410
12.170	31.580
12.250	31.740
12.330	31.900
12.420	32.040
12.500	32.160
12.580	32.260

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12.670	32.340
12.750	32.400
12.830	32.450
12.920	32.480
13.000	32.510
13.080	32.520
13.170	32.540
13.250	32.550
13.330	32.560
13.420	32.560
13.500	32.560
13.580	32.560
13.670	32.560
13.750	32.550
13.830	32.550
13.920	32.550
14.000	32.540
14.080	32.540
14.170	32.540
14.250	32.540
14.330	32.550
14.420	32.550
14.500	32.550
14.580	32.560
14.670	32.560
14.750	32.570
14.830	32.570
14.920	32.580
15.000	32.590
15.080	32.590
15.170	32.600
15.250	32.610
15.330	32.620
15.420	32.620
15.500	32.630
15.580	32.640
15.670	32.640
15.750	32.650
15.830	32.650
15.920	32.660
16.000	32.670
16.080	32.670
16.170	32.680
16.250	32.680
16.330	32.690
16.420	32.690
16.500	32.700
16.580	32.700
16.670	32.710
16.750	32.710
16.830	32.710
16.920	32.720
17.000	32.720
17.080	32.720
17.170	32.720
17.250	32.720
17.330	32.720
17.420	32.730
17.500	32.730
17.580	32.730
17.670	32.730
17.750	32.730
17.830	32.730
17.920	32.730
18.000	32.730
18.080	32.730
18.170	32.730
18.250	32.730
18.330	32.730
18.420	32.720
18.500	32.720
18.580	32.720
18.670	32.720
18.750	32.720
18.830	32.720
18.920	32.720
19.000	32.710
19.080	32.710

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19.170	32.710
19.250	32.710
19.330	32.700
19.420	32.700
19.500	32.700
19.580	32.690
19.670	32.690
19.750	32.690
19.830	32.690
19.920	32.680
20.000	32.680
20.080	32.680
20.170	32.670
20.250	32.670
20.330	32.670
20.420	32.660
20.500	32.660
20.580	32.650
20.670	32.650
20.750	32.650
20.830	32.640
20.920	32.640
21.000	32.630
21.080	32.630
21.170	32.630
21.250	32.620
21.330	32.620
21.420	32.610
21.500	32.610
21.580	32.600
21.670	32.600
21.750	32.600
21.830	32.590
21.920	32.590
22.000	32.580
22.080	32.580
22.170	32.570
22.250	32.570
22.330	32.560
22.420	32.560
22.500	32.550
22.580	32.550
22.670	32.540
22.750	32.540
22.830	32.530
22.920	32.530
23.000	32.520
23.080	32.510
23.170	32.510
23.250	32.500
23.330	32.500
23.420	32.490
23.500	32.490
23.580	32.480
23.670	32.480
23.750	32.470
23.830	32.460
23.920	32.460
24.000	32.450
24.080	32.440
24.170	32.430
24.250	32.430
24.330	32.420
24.420	32.410
24.500	32.400
24.580	32.390
24.670	32.380
24.750	32.370
24.830	32.360
24.920	32.350
25.000	32.340
25.080	32.330
25.170	32.320
25.250	32.300
25.330	32.290
25.420	32.280
25.500	32.270
25.580	32.260

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25.670	32.250
25.750	32.230
25.830	32.220
25.920	32.210
26.000	32.200
26.080	32.190
26.170	32.180
26.250	32.160
26.330	32.150
26.420	32.140
26.500	32.130
26.580	32.120
26.670	32.110
26.750	32.100
26.830	32.090
26.920	32.080
27.000	32.060
27.080	32.050
27.170	32.040
27.250	32.030
27.330	32.020
27.420	32.010
27.500	32.000
27.580	31.990
27.670	31.980
27.750	31.970
27.830	31.950
27.920	31.940
28.000	31.930
28.080	31.920
28.170	31.910
28.250	31.900
28.330	31.890
28.420	31.880
28.500	31.870
28.580	31.860
28.670	31.850
28.750	31.840
28.830	31.830
28.920	31.820
29.000	31.810
29.080	31.800
29.170	31.790
29.250	31.780
29.330	31.770
29.420	31.760
29.500	31.750
29.580	31.730
29.670	31.720
29.750	31.710
29.830	31.700
29.920	31.690
30.000	31.680
30.080	31.670
30.170	31.660
30.250	31.650
30.330	31.640
30.420	31.640
30.500	31.630
30.580	31.620
30.670	31.610
30.750	31.600
30.830	31.590
30.920	31.580
31.000	31.570
31.080	31.560
31.170	31.550
31.250	31.540
31.330	31.530
31.420	31.520
31.500	31.510
31.580	31.500
31.670	31.490
31.750	31.480
31.830	31.470
31.920	31.460
32.000	31.450
32.080	31.440

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32.170	31.440
32.250	31.430
32.330	31.420
32.420	31.410
32.500	31.400
32.580	31.390
32.670	31.380
32.750	31.370
32.830	31.360
32.920	31.350
33.000	31.340
33.080	31.330
33.170	31.320
33.250	31.310
33.330	31.300
33.420	31.300
33.500	31.290
33.580	31.280
33.670	31.270
33.750	31.260
33.830	31.260
33.920	31.250
34.000	31.240
34.080	31.230
34.170	31.230
34.250	31.220
34.330	31.220
34.420	31.210
34.500	31.200
34.580	31.200
34.670	31.190
34.750	31.190
34.830	31.180
34.920	31.180
35.000	31.170
35.080	31.160
35.170	31.160
35.250	31.150
35.330	31.140
35.420	31.140
35.500	31.130
35.580	31.120
35.670	31.120
35.750	31.110
35.830	31.100
35.920	31.100
36.000	31.090
36.080	31.080
36.170	31.080
36.250	31.070
36.330	31.060
36.420	31.060
36.500	31.050
36.580	31.040
36.670	31.030
36.750	31.030
36.830	31.020
36.920	31.010
37.000	31.010
37.080	31.000
37.170	30.990
37.250	30.980
37.330	30.980
37.420	30.970
37.500	30.960
37.580	30.950
37.670	30.950
37.750	30.940
37.830	30.930
37.920	30.920
38.000	30.920
38.080	30.910
38.170	30.900
38.250	30.890
38.330	30.890
38.420	30.880
38.500	30.870
38.580	30.860

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38.670	30.850
38.750	30.850
38.830	30.840
38.920	30.830
39.000	30.820
39.080	30.820
39.170	30.810
39.250	30.800
39.330	30.790
39.420	30.790
39.500	30.780
39.580	30.770
39.670	30.770
39.750	30.760
39.830	30.750
39.920	30.750
40.000	30.740
40.080	30.730
40.170	30.730
40.250	30.720
40.330	30.710
40.420	30.710
40.500	30.700
40.580	30.700
40.670	30.690
40.750	30.690
40.830	30.680
40.920	30.680
41.000	30.670
41.080	30.660
41.170	30.660
41.250	30.660
41.330	30.650
41.420	30.650
41.500	30.640
41.580	30.640
41.670	30.630
41.750	30.630
41.830	30.620
41.920	30.620
42.000	30.620
42.080	30.610
42.170	30.610
42.250	30.600
42.330	30.600
42.420	30.600
42.500	30.590
42.580	30.590
42.670	30.590
42.750	30.580
42.830	30.580
42.920	30.580
43.000	30.570
43.080	30.570
43.170	30.570
43.250	30.560
43.330	30.560
43.420	30.560
43.500	30.550
43.580	30.550
43.670	30.550
43.750	30.550
43.830	30.550
43.920	30.540
44.000	30.540
44.080	30.540
44.170	30.540
44.250	30.540
44.330	30.530
44.420	30.530
44.500	30.530
44.580	30.530
44.670	30.530
44.750	30.530
44.830	30.520
44.920	30.520
45.000	30.520
45.080	30.520

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45.170	30.520
45.250	30.520
45.330	30.520
45.420	30.510
45.500	30.510
45.580	30.510
45.670	30.510
45.750	30.510
45.830	30.510
45.920	30.510
46.000	30.500
46.080	30.500
46.170	30.500
46.250	30.500
46.330	30.500
46.420	30.500
46.500	30.500
46.580	30.500
46.670	30.500
46.750	30.490
46.830	30.490
46.920	30.490
47.000	30.490
47.080	30.490
47.170	30.490
47.250	30.490
47.330	30.490
47.420	30.490
47.500	30.480
47.580	30.480
47.670	30.480
47.750	30.480
47.830	30.480
47.920	30.480
48.000	30.480
48.080	30.480
48.170	30.480
48.250	30.480
48.330	30.470
48.420	30.470
48.500	30.470
48.580	30.470
48.670	30.470
48.750	30.470
48.830	30.470
48.920	30.470
49.000	30.470
49.080	30.470
49.170	30.470
49.250	30.460
49.330	30.460
49.420	30.460
49.500	30.460
49.580	30.460
49.670	30.460
49.750	30.460
49.830	30.460
49.920	30.460
50.000	30.460
50.080	30.460
50.170	30.450
50.250	30.450
50.330	30.450
50.420	30.450
50.500	30.450
50.580	30.450
50.670	30.450
50.750	30.450
50.830	30.450
50.920	30.440
51.000	30.440
51.080	30.440
51.170	30.440
51.250	30.440
51.330	30.440
51.420	30.440
51.500	30.440
51.580	30.440

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51.670	30.440
51.750	30.430
51.830	30.430
51.920	30.430
52.000	30.430
52.080	30.430
52.170	30.430
52.250	30.430
52.330	30.430
52.420	30.430
52.500	30.430
52.580	30.420
52.670	30.420
52.750	30.420
52.830	30.420
52.920	30.420
53.000	30.420
53.080	30.420
53.170	30.420
53.250	30.420
53.330	30.420
53.420	30.410
53.500	30.410
53.580	30.410
53.670	30.410
53.750	30.410
53.830	30.410
53.920	30.410
54.000	30.410
54.080	30.410
54.170	30.410
54.250	30.400
54.330	30.400
54.420	30.400
54.500	30.400
54.580	30.400
54.670	30.400
54.750	30.400
54.830	30.400
54.920	30.400
55.000	30.400
55.080	30.400
55.170	30.390
55.250	30.390
55.330	30.390
55.420	30.390
55.500	30.390
55.580	30.390
55.670	30.390
55.750	30.390
55.830	30.390
55.920	30.390
56.000	30.390
56.080	30.390
56.170	30.380
56.250	30.380
56.330	30.380
56.420	30.380
56.500	30.380
56.580	30.380
56.670	30.380
56.750	30.380
56.830	30.380
56.920	30.380
57.000	30.380
57.080	30.380
57.170	30.380
57.250	30.380
57.330	30.370
57.420	30.370
57.500	30.370
57.580	30.370
57.670	30.370
57.750	30.370
57.830	30.370
57.920	30.370
58.000	30.370
58.080	30.370

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58.170	30.370
58.250	30.370
58.330	30.370
58.420	30.360
58.500	30.360
58.580	30.360
58.670	30.360
58.750	30.360
58.830	30.360
58.920	30.360
59.000	30.360
59.080	30.360
59.170	30.360
59.250	30.360
59.330	30.360
59.420	30.360
59.500	30.360
59.580	30.350
59.670	30.350
59.750	30.350
59.830	30.350
59.920	30.350
60.000	30.350
60.080	30.350
60.170	30.350
60.250	30.350
60.330	30.350
60.420	30.350
60.500	30.350
60.580	30.350
60.670	30.350
60.750	30.350
60.830	30.340
60.920	30.340
61.000	30.340
61.080	30.340
61.170	30.340
61.250	30.340
61.330	30.340
61.420	30.340
61.500	30.340
61.580	30.340
61.670	30.340
61.750	30.340
61.830	30.340
61.920	30.340
62.000	30.340
62.080	30.330
62.170	30.330
62.250	30.330
62.330	30.330
62.420	30.330
62.500	30.330
62.580	30.330
62.670	30.330
62.750	30.330
62.830	30.330
62.920	30.330
63.000	30.330
63.080	30.330
63.170	30.330
63.250	30.330
63.330	30.330
63.420	30.320
63.500	30.320
63.580	30.320
63.670	30.320
63.750	30.320
63.830	30.320
63.920	30.320
64.000	30.320
64.080	30.320
64.170	30.320
64.250	30.320
64.330	30.320
64.420	30.320
64.500	30.320
64.580	30.320

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64.670	30.320
64.750	30.310
64.830	30.310
64.920	30.310
65.000	30.310
65.080	30.310
65.170	30.310
65.250	30.310
65.330	30.310
65.420	30.310
65.500	30.310
65.580	30.310
65.670	30.310
65.750	30.310
65.830	30.310
65.920	30.310
66.000	30.310
66.080	30.300
66.170	30.300
66.250	30.300
66.330	30.300
66.420	30.300
66.500	30.300
66.580	30.300
66.670	30.300
66.750	30.300
66.830	30.300
66.920	30.300
67.000	30.300
67.080	30.300
67.170	30.300
67.250	30.300
67.330	30.300
67.420	30.300
67.500	30.290
67.580	30.290
67.670	30.290
67.750	30.290
67.830	30.290
67.920	30.290
68.000	30.290
68.080	30.290
68.170	30.290
68.250	30.290
68.330	30.290
68.420	30.290
68.500	30.290
68.580	30.290
68.670	30.290
68.750	30.290
68.830	30.290
68.920	30.280
69.000	30.280
69.080	30.280
69.170	30.280
69.250	30.280
69.330	30.280
69.420	30.280
69.500	30.280
69.580	30.280
69.670	30.280
69.750	30.280
69.830	30.280
69.920	30.280
70.000	30.280
70.080	30.280
70.170	30.280
70.250	30.280
70.330	30.270
70.420	30.270
70.500	30.270
70.580	30.270
70.670	30.270
70.750	30.270
70.830	30.270
70.920	30.270
71.000	30.270
71.080	30.270

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71.170	30.270
71.250	30.270
71.330	30.270
71.420	30.270
71.500	30.270
71.580	30.270
71.670	30.270
71.750	30.270
71.830	30.260
71.920	30.260
72.000	30.260

Name: 100YR24HR Node: MH-1-PB-tw Type: Stage

Time(hrs)	Stage(ft)
0.000	30.040
0.080	29.400
0.170	29.190
0.250	29.120
0.330	29.110
0.420	29.100
0.500	29.090
0.580	29.090
0.670	29.080
0.750	29.080
0.830	29.070
0.920	29.070
1.000	29.070
1.080	29.070
1.170	29.070
1.250	29.060
1.330	29.060
1.420	29.060
1.500	29.060
1.580	29.060
1.670	29.060
1.750	29.060
1.830	29.060
1.920	29.060
2.000	29.050
2.080	29.050
2.170	29.050
2.250	29.050
2.330	29.050
2.420	29.050
2.500	29.050
2.580	29.050
2.670	29.050
2.750	29.050
2.830	29.050
2.920	29.060
3.000	29.060
3.080	29.060
3.170	29.060
3.250	29.060
3.330	29.060
3.420	29.060
3.500	29.060
3.580	29.070
3.670	29.070
3.750	29.070
3.830	29.070
3.920	29.080
4.000	29.080
4.080	29.080
4.170	29.090
4.250	29.090
4.330	29.090
4.420	29.100
4.500	29.100
4.580	29.100
4.670	29.100
4.750	29.110
4.830	29.110
4.920	29.110
5.000	29.120

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5.080	29.120
5.170	29.120
5.250	29.130
5.330	29.130
5.420	29.140
5.500	29.140
5.580	29.140
5.670	29.150
5.750	29.150
5.830	29.150
5.920	29.160
6.000	29.160
6.080	29.160
6.170	29.160
6.250	29.170
6.330	29.170
6.420	29.170
6.500	29.180
6.580	29.180
6.670	29.180
6.750	29.190
6.830	29.190
6.920	29.190
7.000	29.200
7.080	29.200
7.170	29.200
7.250	29.210
7.330	29.210
7.420	29.220
7.500	29.220
7.580	29.230
7.670	29.230
7.750	29.240
7.830	29.250
7.920	29.260
8.000	29.270
8.080	29.290
8.170	29.300
8.250	29.310
8.330	29.330
8.420	29.340
8.500	29.360
8.580	29.370
8.670	29.380
8.750	29.400
8.830	29.420
8.920	29.430
9.000	29.450
9.080	29.470
9.170	29.480
9.250	29.500
9.330	29.520
9.420	29.530
9.500	29.550
9.580	29.570
9.670	29.590
9.750	29.600
9.830	29.620
9.920	29.640
10.000	29.660
10.080	29.680
10.170	29.700
10.250	29.730
10.330	29.750
10.420	29.770
10.500	29.800
10.580	29.820
10.670	29.850
10.750	29.880
10.830	29.910
10.920	29.940
11.000	29.980
11.080	30.010
11.170	30.050
11.250	30.080
11.330	30.120
11.420	30.160
11.500	30.210

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11.580	30.260
11.670	30.330
11.750	30.430
11.830	30.560
11.920	30.730
12.000	30.920
12.080	31.150
12.170	31.400
12.250	31.640
12.330	31.830
12.420	31.990
12.500	32.170
12.580	32.330
12.670	32.430
12.750	32.510
12.830	32.550
12.920	32.580
13.000	32.600
13.080	32.620
13.170	32.630
13.250	32.640
13.330	32.650
13.420	32.660
13.500	32.660
13.580	32.660
13.670	32.660
13.750	32.650
13.830	32.650
13.920	32.640
14.000	32.630
14.080	32.630
14.170	32.630
14.250	32.620
14.330	32.620
14.420	32.620
14.500	32.620
14.580	32.620
14.670	32.630
14.750	32.630
14.830	32.640
14.920	32.650
15.000	32.670
15.080	32.680
15.170	32.690
15.250	32.700
15.330	32.720
15.420	32.730
15.500	32.740
15.580	32.750
15.670	32.750
15.750	32.760
15.830	32.770
15.920	32.780
16.000	32.790
16.080	32.800
16.170	32.810
16.250	32.820
16.330	32.830
16.420	32.840
16.500	32.840
16.580	32.850
16.670	32.860
16.750	32.860
16.830	32.870
16.920	32.870
17.000	32.880
17.080	32.880
17.170	32.890
17.250	32.900
17.330	32.900
17.420	32.900
17.500	32.910
17.580	32.910
17.670	32.920
17.750	32.920
17.830	32.920
17.920	32.930
18.000	32.930

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18.080	32.930
18.170	32.940
18.250	32.940
18.330	32.940
18.420	32.940
18.500	32.950
18.580	32.950
18.670	32.950
18.750	32.950
18.830	32.950
18.920	32.950
19.000	32.950
19.080	32.950
19.170	32.960
19.250	32.960
19.330	32.960
19.420	32.960
19.500	32.960
19.580	32.960
19.670	32.960
19.750	32.960
19.830	32.960
19.920	32.960
20.000	32.960
20.080	32.960
20.170	32.960
20.250	32.960
20.330	32.960
20.420	32.960
20.500	32.950
20.580	32.950
20.670	32.950
20.750	32.950
20.830	32.950
20.920	32.950
21.000	32.950
21.080	32.950
21.170	32.940
21.250	32.940
21.330	32.940
21.420	32.940
21.500	32.930
21.580	32.930
21.670	32.930
21.750	32.920
21.830	32.920
21.920	32.920
22.000	32.910
22.080	32.910
22.170	32.900
22.250	32.900
22.330	32.900
22.420	32.890
22.500	32.890
22.580	32.890
22.670	32.880
22.750	32.870
22.830	32.870
22.920	32.860
23.000	32.860
23.080	32.850
23.170	32.850
23.250	32.840
23.330	32.840
23.420	32.830
23.500	32.830
23.580	32.820
23.670	32.810
23.750	32.800
23.830	32.790
23.920	32.780
24.000	32.770
24.080	32.740
24.170	32.720
24.250	32.690
24.330	32.660
24.420	32.640
24.500	32.610

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24.580	32.580
24.670	32.550
24.750	32.520
24.830	32.480
24.920	32.450
25.000	32.420
25.080	32.390
25.170	32.360
25.250	32.330
25.330	32.310
25.420	32.280
25.500	32.250
25.580	32.230
25.670	32.210
25.750	32.180
25.830	32.160
25.920	32.140
26.000	32.120
26.080	32.100
26.170	32.080
26.250	32.060
26.330	32.040
26.420	32.020
26.500	32.000
26.580	31.990
26.670	31.970
26.750	31.950
26.830	31.940
26.920	31.920
27.000	31.910
27.080	31.890
27.170	31.880
27.250	31.860
27.330	31.850
27.420	31.840
27.500	31.820
27.580	31.810
27.670	31.800
27.750	31.780
27.830	31.770
27.920	31.760
28.000	31.750
28.080	31.740
28.170	31.720
28.250	31.710
28.330	31.700
28.420	31.690
28.500	31.680
28.580	31.670
28.670	31.650
28.750	31.640
28.830	31.630
28.920	31.620
29.000	31.610
29.080	31.600
29.170	31.590
29.250	31.570
29.330	31.560
29.420	31.550
29.500	31.540
29.580	31.530
29.670	31.520
29.750	31.510
29.830	31.500
29.920	31.480
30.000	31.470
30.080	31.460
30.170	31.450
30.250	31.440
30.330	31.430
30.420	31.420
30.500	31.410
30.580	31.400
30.670	31.390
30.750	31.380
30.830	31.370
30.920	31.360
31.000	31.350

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31.080	31.340
31.170	31.330
31.250	31.310
31.330	31.300
31.420	31.290
31.500	31.280
31.580	31.270
31.670	31.260
31.750	31.250
31.830	31.240
31.920	31.230
32.000	31.220
32.080	31.200
32.170	31.190
32.250	31.180
32.330	31.170
32.420	31.160
32.500	31.140
32.580	31.130
32.670	31.120
32.750	31.100
32.830	31.090
32.920	31.070
33.000	31.060
33.080	31.050
33.170	31.030
33.250	31.020
33.330	31.000
33.420	30.990
33.500	30.980
33.580	30.960
33.670	30.950
33.750	30.930
33.830	30.920
33.920	30.900
34.000	30.890
34.080	30.880
34.170	30.860
34.250	30.850
34.330	30.830
34.420	30.820
34.500	30.800
34.580	30.790
34.670	30.770
34.750	30.760
34.830	30.750
34.920	30.730
35.000	30.720
35.080	30.710
35.170	30.690
35.250	30.680
35.330	30.670
35.420	30.650
35.500	30.640
35.580	30.630
35.670	30.620
35.750	30.600
35.830	30.590
35.920	30.580
36.000	30.560
36.080	30.550
36.170	30.530
36.250	30.520
36.330	30.510
36.420	30.490
36.500	30.480
36.580	30.470
36.670	30.450
36.750	30.440
36.830	30.420
36.920	30.410
37.000	30.390
37.080	30.380
37.170	30.370
37.250	30.350
37.330	30.340
37.420	30.320
37.500	30.310

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37.580	30.290
37.670	30.280
37.750	30.270
37.830	30.250
37.920	30.240
38.000	30.220
38.080	30.210
38.170	30.190
38.250	30.180
38.330	30.160
38.420	30.150
38.500	30.130
38.580	30.120
38.670	30.100
38.750	30.090
38.830	30.070
38.920	30.060
39.000	30.040
39.080	30.030
39.170	30.020
39.250	30.000
39.330	29.990
39.420	29.970
39.500	29.960
39.580	29.950
39.670	29.940
39.750	29.930
39.830	29.920
39.920	29.900
40.000	29.890
40.080	29.880
40.170	29.870
40.250	29.860
40.330	29.850
40.420	29.840
40.500	29.830
40.580	29.820
40.670	29.810
40.750	29.800
40.830	29.790
40.920	29.780
41.000	29.770
41.080	29.760
41.170	29.750
41.250	29.740
41.330	29.740
41.420	29.730
41.500	29.720
41.580	29.710
41.670	29.700
41.750	29.700
41.830	29.690
41.920	29.680
42.000	29.670
42.080	29.670
42.170	29.660
42.250	29.650
42.330	29.650
42.420	29.640
42.500	29.640
42.580	29.630
42.670	29.620
42.750	29.620
42.830	29.610
42.920	29.610
43.000	29.600
43.080	29.590
43.170	29.590
43.250	29.580
43.330	29.580
43.420	29.570
43.500	29.570
43.580	29.560
43.670	29.560
43.750	29.550
43.830	29.550
43.920	29.540
44.000	29.540

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44.080	29.540
44.170	29.530
44.250	29.530
44.330	29.530
44.420	29.520
44.500	29.520
44.580	29.520
44.670	29.510
44.750	29.510
44.830	29.510
44.920	29.510
45.000	29.500
45.080	29.500
45.170	29.500
45.250	29.500
45.330	29.490
45.420	29.490
45.500	29.490
45.580	29.490
45.670	29.480
45.750	29.480
45.830	29.480
45.920	29.480
46.000	29.470
46.080	29.470
46.170	29.470
46.250	29.470
46.330	29.470
46.420	29.460
46.500	29.460
46.580	29.460
46.670	29.460
46.750	29.450
46.830	29.450
46.920	29.450
47.000	29.450
47.080	29.450
47.170	29.440
47.250	29.440
47.330	29.440
47.420	29.440
47.500	29.430
47.580	29.430
47.670	29.430
47.750	29.430
47.830	29.430
47.920	29.420
48.000	29.420
48.080	29.420
48.170	29.420
48.250	29.420
48.330	29.420
48.420	29.410
48.500	29.410
48.580	29.410
48.670	29.410
48.750	29.410
48.830	29.400
48.920	29.400
49.000	29.400
49.080	29.400
49.170	29.400
49.250	29.400
49.330	29.390
49.420	29.390
49.500	29.390
49.580	29.390
49.670	29.390
49.750	29.390
49.830	29.380
49.920	29.380
50.000	29.380
50.080	29.380
50.170	29.380
50.250	29.370
50.330	29.370
50.420	29.370
50.500	29.370

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50.580	29.370
50.670	29.360
50.750	29.360
50.830	29.360
50.920	29.360
51.000	29.360
51.080	29.350
51.170	29.350
51.250	29.350
51.330	29.350
51.420	29.350
51.500	29.350
51.580	29.340
51.670	29.340
51.750	29.340
51.830	29.340
51.920	29.340
52.000	29.340
52.080	29.330
52.170	29.330
52.250	29.330
52.330	29.330
52.420	29.330
52.500	29.330
52.580	29.320
52.670	29.320
52.750	29.320
52.830	29.320
52.920	29.320
53.000	29.320
53.080	29.310
53.170	29.310
53.250	29.310
53.330	29.310
53.420	29.310
53.500	29.310
53.580	29.300
53.670	29.300
53.750	29.300
53.830	29.300
53.920	29.300
54.000	29.300
54.080	29.290
54.170	29.290
54.250	29.290
54.330	29.290
54.420	29.290
54.500	29.290
54.580	29.290
54.670	29.280
54.750	29.280
54.830	29.280
54.920	29.280
55.000	29.280
55.080	29.280
55.170	29.270
55.250	29.270
55.330	29.270
55.420	29.270
55.500	29.270
55.580	29.270
55.670	29.270
55.750	29.270
55.830	29.260
55.920	29.260
56.000	29.260
56.080	29.260
56.170	29.260
56.250	29.260
56.330	29.260
56.420	29.260
56.500	29.250
56.580	29.250
56.670	29.250
56.750	29.250
56.830	29.250
56.920	29.250
57.000	29.250

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57.080	29.250
57.170	29.240
57.250	29.240
57.330	29.240
57.420	29.240
57.500	29.240
57.580	29.240
57.670	29.240
57.750	29.240
57.830	29.230
57.920	29.230
58.000	29.230
58.080	29.230
58.170	29.230
58.250	29.230
58.330	29.230
58.420	29.230
58.500	29.230
58.580	29.220
58.670	29.220
58.750	29.220
58.830	29.220
58.920	29.220
59.000	29.220
59.080	29.220
59.170	29.220
59.250	29.210
59.330	29.210
59.420	29.210
59.500	29.210
59.580	29.210
59.670	29.210
59.750	29.210
59.830	29.210
59.920	29.210
60.000	29.210
60.080	29.210
60.170	29.200
60.250	29.200
60.330	29.200
60.420	29.200
60.500	29.200
60.580	29.200
60.670	29.200
60.750	29.200
60.830	29.200
60.920	29.200
61.000	29.190
61.080	29.190
61.170	29.190
61.250	29.190
61.330	29.190
61.420	29.190
61.500	29.190
61.580	29.190
61.670	29.190
61.750	29.190
61.830	29.180
61.920	29.180
62.000	29.180
62.080	29.180
62.170	29.180
62.250	29.180
62.330	29.180
62.420	29.180
62.500	29.180
62.580	29.180
62.670	29.170
62.750	29.170
62.830	29.170
62.920	29.170
63.000	29.170
63.080	29.170
63.170	29.170
63.250	29.170
63.330	29.170
63.420	29.170
63.500	29.170

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63.580	29.160
63.670	29.160
63.750	29.160
63.830	29.160
63.920	29.160
64.000	29.160
64.080	29.160
64.170	29.160
64.250	29.160
64.330	29.160
64.420	29.160
64.500	29.160
64.580	29.150
64.670	29.150
64.750	29.150
64.830	29.150
64.920	29.150
65.000	29.150
65.080	29.150
65.170	29.150
65.250	29.150
65.330	29.150
65.420	29.150
65.500	29.140
65.580	29.140
65.670	29.140
65.750	29.140
65.830	29.140
65.920	29.140
66.000	29.140
66.080	29.140
66.170	29.140
66.250	29.140
66.330	29.140
66.420	29.140
66.500	29.140
66.580	29.130
66.670	29.130
66.750	29.130
66.830	29.130
66.920	29.130
67.000	29.130
67.080	29.130
67.170	29.130
67.250	29.130
67.330	29.130
67.420	29.130
67.500	29.130
67.580	29.120
67.670	29.120
67.750	29.120
67.830	29.120
67.920	29.120
68.000	29.120
68.080	29.120
68.170	29.120
68.250	29.120
68.330	29.120
68.420	29.120
68.500	29.120
68.580	29.120
68.670	29.110
68.750	29.110
68.830	29.110
68.920	29.110
69.000	29.110
69.080	29.110
69.170	29.110
69.250	29.110
69.330	29.110
69.420	29.110
69.500	29.110
69.580	29.110
69.670	29.110
69.750	29.100
69.830	29.100
69.920	29.100
70.000	29.100

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70.080	29.100
70.170	29.100
70.250	29.100
70.330	29.100
70.420	29.100
70.500	29.100
70.580	29.100
70.670	29.100
70.750	29.100
70.830	29.100
70.920	29.090
71.000	29.090
71.080	29.090
71.170	29.090
71.250	29.090
71.330	29.090
71.420	29.090
71.500	29.090
71.580	29.090
71.670	29.090
71.750	29.090
71.830	29.090
71.920	29.090
72.000	29.090

Name: 100YR24HR Node: LAKE 3-PB tw Type: Stage

Time(hrs)	Stage(ft)
0.000	30.040
0.080	30.040
0.170	30.040
0.250	30.040
0.330	30.040
0.420	30.040
0.500	30.040
0.580	30.040
0.670	30.040
0.750	30.040
0.830	30.040
0.920	30.040
1.000	30.040
1.080	30.050
1.170	30.050
1.250	30.060
1.330	30.060
1.420	30.070
1.500	30.080
1.580	30.090
1.670	30.090
1.750	30.100
1.830	30.110
1.920	30.120
2.000	30.130
2.080	30.130
2.170	30.140
2.250	30.150
2.330	30.160
2.420	30.170
2.500	30.170
2.580	30.180
2.670	30.190
2.750	30.200
2.830	30.210
2.920	30.210
3.000	30.220
3.080	30.230
3.170	30.240
3.250	30.250
3.330	30.250
3.420	30.260
3.500	30.270
3.580	30.280
3.670	30.290
3.750	30.290
3.830	30.300
3.920	30.310

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4.000	30.320
4.080	30.320
4.170	30.330
4.250	30.340
4.330	30.350
4.420	30.360
4.500	30.360
4.580	30.370
4.670	30.380
4.750	30.390
4.830	30.400
4.920	30.410
5.000	30.410
5.080	30.420
5.170	30.430
5.250	30.440
5.330	30.450
5.420	30.450
5.500	30.460
5.580	30.470
5.670	30.480
5.750	30.490
5.830	30.490
5.920	30.500
6.000	30.510
6.080	30.520
6.170	30.520
6.250	30.530
6.330	30.540
6.420	30.550
6.500	30.560
6.580	30.570
6.670	30.580
6.750	30.590
6.830	30.590
6.920	30.600
7.000	30.610
7.080	30.620
7.170	30.630
7.250	30.640
7.330	30.650
7.420	30.660
7.500	30.670
7.580	30.680
7.670	30.690
7.750	30.700
7.830	30.710
7.920	30.720
8.000	30.730
8.080	30.740
8.170	30.750
8.250	30.760
8.330	30.770
8.420	30.780
8.500	30.790
8.580	30.800
8.670	30.810
8.750	30.830
8.830	30.840
8.920	30.850
9.000	30.870
9.080	30.880
9.170	30.890
9.250	30.910
9.330	30.920
9.420	30.930
9.500	30.950
9.580	30.960
9.670	30.980
9.750	30.990
9.830	31.010
9.920	31.030
10.000	31.040
10.080	31.060
10.170	31.080
10.250	31.100
10.330	31.120
10.420	31.140

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10.500	31.160
10.580	31.180
10.670	31.210
10.750	31.230
10.830	31.260
10.920	31.290
11.000	31.320
11.080	31.350
11.170	31.370
11.250	31.400
11.330	31.440
11.420	31.480
11.500	31.530
11.580	31.600
11.670	31.700
11.750	31.860
11.830	32.050
11.920	32.290
12.000	32.580
12.080	32.890
12.170	33.170
12.250	33.410
12.330	33.610
12.420	33.770
12.500	33.900
12.580	33.990
12.670	34.070
12.750	34.120
12.830	34.160
12.920	34.180
13.000	34.200
13.080	34.210
13.170	34.210
13.250	34.210
13.330	34.210
13.420	34.210
13.500	34.210
13.580	34.210
13.670	34.200
13.750	34.190
13.830	34.190
13.920	34.180
14.000	34.170
14.080	34.160
14.170	34.150
14.250	34.140
14.330	34.130
14.420	34.120
14.500	34.110
14.580	34.090
14.670	34.080
14.750	34.070
14.830	34.050
14.920	34.040
15.000	34.030
15.080	34.010
15.170	34.000
15.250	33.980
15.330	33.970
15.420	33.960
15.500	33.940
15.580	33.930
15.670	33.910
15.750	33.900
15.830	33.890
15.920	33.870
16.000	33.860
16.080	33.840
16.170	33.830
16.250	33.810
16.330	33.800
16.420	33.780
16.500	33.770
16.580	33.750
16.670	33.740
16.750	33.720
16.830	33.710
16.920	33.690

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17.000	33.680
17.080	33.660
17.170	33.650
17.250	33.640
17.330	33.620
17.420	33.610
17.500	33.590
17.580	33.580
17.670	33.570
17.750	33.550
17.830	33.540
17.920	33.520
18.000	33.510
18.080	33.490
18.170	33.480
18.250	33.470
18.330	33.450
18.420	33.440
18.500	33.430
18.580	33.410
18.670	33.400
18.750	33.390
18.830	33.370
18.920	33.360
19.000	33.340
19.080	33.330
19.170	33.320
19.250	33.300
19.330	33.290
19.420	33.280
19.500	33.270
19.580	33.250
19.670	33.240
19.750	33.230
19.830	33.220
19.920	33.200
20.000	33.190
20.080	33.180
20.170	33.170
20.250	33.150
20.330	33.140
20.420	33.130
20.500	33.120
20.580	33.100
20.670	33.090
20.750	33.080
20.830	33.070
20.920	33.050
21.000	33.040
21.080	33.030
21.170	33.020
21.250	33.000
21.330	32.990
21.420	32.980
21.500	32.970
21.580	32.960
21.670	32.950
21.750	32.930
21.830	32.920
21.920	32.910
22.000	32.900
22.080	32.890
22.170	32.880
22.250	32.870
22.330	32.860
22.420	32.850
22.500	32.840
22.580	32.830
22.670	32.820
22.750	32.810
22.830	32.790
22.920	32.780
23.000	32.770
23.080	32.760
23.170	32.750
23.250	32.740
23.330	32.730
23.420	32.720

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23.500	32.710
23.580	32.700
23.670	32.690
23.750	32.680
23.830	32.670
23.920	32.650
24.000	32.640
24.080	32.630
24.170	32.620
24.250	32.610
24.330	32.590
24.420	32.580
24.500	32.560
24.580	32.540
24.670	32.530
24.750	32.510
24.830	32.500
24.920	32.480
25.000	32.460
25.080	32.450
25.170	32.430
25.250	32.410
25.330	32.400
25.420	32.380
25.500	32.370
25.580	32.350
25.670	32.340
25.750	32.320
25.830	32.310
25.920	32.290
26.000	32.280
26.080	32.260
26.170	32.250
26.250	32.230
26.330	32.220
26.420	32.200
26.500	32.190
26.580	32.170
26.670	32.160
26.750	32.140
26.830	32.130
26.920	32.110
27.000	32.100
27.080	32.080
27.170	32.070
27.250	32.060
27.330	32.040
27.420	32.030
27.500	32.010
27.580	32.000
27.670	31.980
27.750	31.970
27.830	31.960
27.920	31.940
28.000	31.930
28.080	31.920
28.170	31.900
28.250	31.890
28.330	31.880
28.420	31.860
28.500	31.850
28.580	31.840
28.670	31.820
28.750	31.810
28.830	31.800
28.920	31.780
29.000	31.770
29.080	31.760
29.170	31.750
29.250	31.730
29.330	31.720
29.420	31.710
29.500	31.690
29.580	31.680
29.670	31.670
29.750	31.660
29.830	31.640
29.920	31.630

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30.000	31.620
30.080	31.610
30.170	31.600
30.250	31.580
30.330	31.570
30.420	31.560
30.500	31.550
30.580	31.540
30.670	31.520
30.750	31.510
30.830	31.500
30.920	31.490
31.000	31.480
31.080	31.460
31.170	31.450
31.250	31.440
31.330	31.430
31.420	31.420
31.500	31.410
31.580	31.400
31.670	31.390
31.750	31.370
31.830	31.360
31.920	31.350
32.000	31.340
32.080	31.330
32.170	31.320
32.250	31.310
32.330	31.300
32.420	31.290
32.500	31.280
32.580	31.270
32.670	31.260
32.750	31.240
32.830	31.230
32.920	31.220
33.000	31.210
33.080	31.200
33.170	31.190
33.250	31.180
33.330	31.170
33.420	31.160
33.500	31.150
33.580	31.150
33.670	31.140
33.750	31.130
33.830	31.120
33.920	31.110
34.000	31.100
34.080	31.090
34.170	31.080
34.250	31.070
34.330	31.060
34.420	31.050
34.500	31.050
34.580	31.040
34.670	31.030
34.750	31.020
34.830	31.010
34.920	31.000
35.000	31.000
35.080	30.990
35.170	30.980
35.250	30.970
35.330	30.960
35.420	30.960
35.500	30.950
35.580	30.940
35.670	30.930
35.750	30.920
35.830	30.920
35.920	30.910
36.000	30.900
36.080	30.900
36.170	30.890
36.250	30.880
36.330	30.870
36.420	30.870

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36.500	30.860
36.580	30.850
36.670	30.850
36.750	30.840
36.830	30.830
36.920	30.830
37.000	30.820
37.080	30.810
37.170	30.810
37.250	30.800
37.330	30.790
37.420	30.790
37.500	30.780
37.580	30.770
37.670	30.770
37.750	30.760
37.830	30.760
37.920	30.750
38.000	30.740
38.080	30.740
38.170	30.730
38.250	30.730
38.330	30.720
38.420	30.720
38.500	30.710
38.580	30.700
38.670	30.700
38.750	30.690
38.830	30.690
38.920	30.680
39.000	30.680
39.080	30.670
39.170	30.670
39.250	30.660
39.330	30.660
39.420	30.650
39.500	30.650
39.580	30.640
39.670	30.640
39.750	30.630
39.830	30.630
39.920	30.620
40.000	30.620
40.080	30.610
40.170	30.610
40.250	30.600
40.330	30.600
40.420	30.590
40.500	30.590
40.580	30.580
40.670	30.580
40.750	30.580
40.830	30.570
40.920	30.570
41.000	30.560
41.080	30.560
41.170	30.550
41.250	30.550
41.330	30.550
41.420	30.540
41.500	30.540
41.580	30.530
41.670	30.530
41.750	30.530
41.830	30.520
41.920	30.520
42.000	30.520
42.080	30.510
42.170	30.510
42.250	30.500
42.330	30.500
42.420	30.500
42.500	30.490
42.580	30.490
42.670	30.490
42.750	30.480
42.830	30.480
42.920	30.480

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43.000	30.470
43.080	30.470
43.170	30.470
43.250	30.460
43.330	30.460
43.420	30.460
43.500	30.460
43.580	30.450
43.670	30.450
43.750	30.450
43.830	30.440
43.920	30.440
44.000	30.440
44.080	30.430
44.170	30.430
44.250	30.430
44.330	30.430
44.420	30.420
44.500	30.420
44.580	30.420
44.670	30.420
44.750	30.410
44.830	30.410
44.920	30.410
45.000	30.410
45.080	30.400
45.170	30.400
45.250	30.400
45.330	30.400
45.420	30.390
45.500	30.390
45.580	30.390
45.670	30.390
45.750	30.380
45.830	30.380
45.920	30.380
46.000	30.380
46.080	30.370
46.170	30.370
46.250	30.370
46.330	30.370
46.420	30.370
46.500	30.360
46.580	30.360
46.670	30.360
46.750	30.360
46.830	30.360
46.920	30.350
47.000	30.350
47.080	30.350
47.170	30.350
47.250	30.350
47.330	30.340
47.420	30.340
47.500	30.340
47.580	30.340
47.670	30.340
47.750	30.330
47.830	30.330
47.920	30.330
48.000	30.330
48.080	30.330
48.170	30.320
48.250	30.320
48.330	30.320
48.420	30.320
48.500	30.320
48.580	30.320
48.670	30.310
48.750	30.310
48.830	30.310
48.920	30.310
49.000	30.310
49.080	30.310
49.170	30.300
49.250	30.300
49.330	30.300
49.420	30.300

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49.500	30.300
49.580	30.300
49.670	30.300
49.750	30.290
49.830	30.290
49.920	30.290
50.000	30.290
50.080	30.290
50.170	30.290
50.250	30.290
50.330	30.280
50.420	30.280
50.500	30.280
50.580	30.280
50.670	30.280
50.750	30.280
50.830	30.280
50.920	30.270
51.000	30.270
51.080	30.270
51.170	30.270
51.250	30.270
51.330	30.270
51.420	30.270
51.500	30.270
51.580	30.260
51.670	30.260
51.750	30.260
51.830	30.260
51.920	30.260
52.000	30.260
52.080	30.260
52.170	30.260
52.250	30.250
52.330	30.250
52.420	30.250
52.500	30.250
52.580	30.250
52.670	30.250
52.750	30.250
52.830	30.250
52.920	30.250
53.000	30.240
53.080	30.240
53.170	30.240
53.250	30.240
53.330	30.240
53.420	30.240
53.500	30.240
53.580	30.240
53.670	30.240
53.750	30.240
53.830	30.230
53.920	30.230
54.000	30.230
54.080	30.230
54.170	30.230
54.250	30.230
54.330	30.230
54.420	30.230
54.500	30.230
54.580	30.230
54.670	30.220
54.750	30.220
54.830	30.220
54.920	30.220
55.000	30.220
55.080	30.220
55.170	30.220
55.250	30.220
55.330	30.220
55.420	30.220
55.500	30.220
55.580	30.210
55.670	30.210
55.750	30.210
55.830	30.210
55.920	30.210

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56.000	30.210
56.080	30.210
56.170	30.210
56.250	30.210
56.330	30.210
56.420	30.210
56.500	30.210
56.580	30.200
56.670	30.200
56.750	30.200
56.830	30.200
56.920	30.200
57.000	30.200
57.080	30.200
57.170	30.200
57.250	30.200
57.330	30.200
57.420	30.200
57.500	30.200
57.580	30.200
57.670	30.200
57.750	30.190
57.830	30.190
57.920	30.190
58.000	30.190
58.080	30.190
58.170	30.190
58.250	30.190
58.330	30.190
58.420	30.190
58.500	30.190
58.580	30.190
58.670	30.190
58.750	30.190
58.830	30.190
58.920	30.180
59.000	30.180
59.080	30.180
59.170	30.180
59.250	30.180
59.330	30.180
59.420	30.180
59.500	30.180
59.580	30.180
59.670	30.180
59.750	30.180
59.830	30.180
59.920	30.180
60.000	30.180
60.080	30.180
60.170	30.180
60.250	30.180
60.330	30.170
60.420	30.170
60.500	30.170
60.580	30.170
60.670	30.170
60.750	30.170
60.830	30.170
60.920	30.170
61.000	30.170
61.080	30.170
61.170	30.170
61.250	30.170
61.330	30.170
61.420	30.170
61.500	30.170
61.580	30.170
61.670	30.170
61.750	30.170
61.830	30.160
61.920	30.160
62.000	30.160
62.080	30.160
62.170	30.160
62.250	30.160
62.330	30.160
62.420	30.160

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62.500	30.160
62.580	30.160
62.670	30.160
62.750	30.160
62.830	30.160
62.920	30.160
63.000	30.160
63.080	30.160
63.170	30.160
63.250	30.160
63.330	30.160
63.420	30.160
63.500	30.150
63.580	30.150
63.670	30.150
63.750	30.150
63.830	30.150
63.920	30.150
64.000	30.150
64.080	30.150
64.170	30.150
64.250	30.150
64.330	30.150
64.420	30.150
64.500	30.150
64.580	30.150
64.670	30.150
64.750	30.150
64.830	30.150
64.920	30.150
65.000	30.150
65.080	30.150
65.170	30.150
65.250	30.150
65.330	30.150
65.420	30.140
65.500	30.140
65.580	30.140
65.670	30.140
65.750	30.140
65.830	30.140
65.920	30.140
66.000	30.140
66.080	30.140
66.170	30.140
66.250	30.140
66.330	30.140
66.420	30.140
66.500	30.140
66.580	30.140
66.670	30.140
66.750	30.140
66.830	30.140
66.920	30.140
67.000	30.140
67.080	30.140
67.170	30.140
67.250	30.140
67.330	30.140
67.420	30.140
67.500	30.140
67.580	30.140
67.670	30.130
67.750	30.130
67.830	30.130
67.920	30.130
68.000	30.130
68.080	30.130
68.170	30.130
68.250	30.130
68.330	30.130
68.420	30.130
68.500	30.130
68.580	30.130
68.670	30.130
68.750	30.130
68.830	30.130
68.920	30.130

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69.000	30.130
69.080	30.130
69.170	30.130
69.250	30.130
69.330	30.130
69.420	30.130
69.500	30.130
69.580	30.130
69.670	30.130
69.750	30.130
69.830	30.130
69.920	30.130
70.000	30.130
70.080	30.130
70.170	30.130
70.250	30.130
70.330	30.120
70.420	30.120
70.500	30.120
70.580	30.120
70.670	30.120
70.750	30.120
70.830	30.120
70.920	30.120
71.000	30.120
71.080	30.120
71.170	30.120
71.250	30.120
71.330	30.120
71.420	30.120
71.500	30.120
71.580	30.120
71.670	30.120
71.750	30.120
71.830	30.120
71.920	30.120
72.000	30.120

Name: 2.33yr24hr Node: LAKE 3-PB tw Type: Stage

Time(hrs)	Stage(ft)
0.000	30.040
0.250	30.040
0.500	30.040
0.750	30.040
1.000	30.040
1.250	30.040
1.500	30.040
1.750	30.040
2.000	30.040
2.250	30.050
2.500	30.060
2.750	30.070
3.000	30.080
3.250	30.100
3.500	30.110
3.750	30.120
4.000	30.130
4.250	30.140
4.500	30.160
4.750	30.170
5.000	30.180
5.250	30.190
5.500	30.210
5.750	30.220
6.000	30.230
6.250	30.250
6.500	30.260
6.750	30.270
7.000	30.290
7.250	30.300
7.500	30.310
7.750	30.330
8.000	30.340
8.250	30.360
8.500	30.370

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8.750	30.390
9.000	30.410
9.250	30.430
9.500	30.450
9.750	30.470
10.000	30.490
10.250	30.520
10.500	30.550
10.750	30.580
11.000	30.620
11.250	30.660
11.500	30.720
11.750	30.870
12.000	31.230
12.250	31.640
12.500	31.880
12.750	31.990
13.000	32.030
13.250	32.040
13.500	32.030
13.750	32.030
14.000	32.020
14.250	32.000
14.500	31.990
14.750	31.970
15.000	31.960
15.250	31.940
15.500	31.920
15.750	31.900
16.000	31.880
16.250	31.860
16.500	31.840
16.750	31.810
17.000	31.790
17.250	31.770
17.500	31.750
17.750	31.730
18.000	31.710
18.250	31.690
18.500	31.670
18.750	31.640
19.000	31.620
19.250	31.600
19.500	31.580
19.750	31.560
20.000	31.540
20.250	31.520
20.500	31.500
20.750	31.480
21.000	31.450
21.250	31.430
21.500	31.410
21.750	31.390
22.000	31.370
22.250	31.350
22.500	31.330
22.750	31.310
23.000	31.290
23.250	31.270
23.500	31.250
23.750	31.230
24.000	31.210
24.250	31.190
24.500	31.160
24.750	31.130
25.000	31.110
25.250	31.080
25.500	31.050
25.750	31.030
26.000	31.000
26.250	30.980
26.500	30.950
26.750	30.930
27.000	30.910
27.250	30.890
27.500	30.870
27.750	30.840
28.000	30.820

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28.250	30.810
28.500	30.790
28.750	30.770
29.000	30.750
29.250	30.730
29.500	30.710
29.750	30.700
30.000	30.680
30.250	30.670
30.500	30.650
30.750	30.640
31.000	30.620
31.250	30.610
31.500	30.590
31.750	30.580
32.000	30.570
32.250	30.550
32.500	30.540
32.750	30.530
33.000	30.520
33.250	30.510
33.500	30.500
33.750	30.490
34.000	30.480
34.250	30.470
34.500	30.460
34.750	30.450
35.000	30.440
35.250	30.430
35.500	30.420
35.750	30.410
36.000	30.410
36.250	30.400
36.500	30.390
36.750	30.390
37.000	30.380
37.250	30.370
37.500	30.370
37.750	30.360
38.000	30.350
38.250	30.350
38.500	30.340
38.750	30.340
39.000	30.330
39.250	30.320
39.500	30.320
39.750	30.310
40.000	30.310
40.250	30.300
40.500	30.300
40.750	30.300
41.000	30.290
41.250	30.290
41.500	30.280
41.750	30.280
42.000	30.270
42.250	30.270
42.500	30.270
42.750	30.260
43.000	30.260
43.250	30.260
43.500	30.250
43.750	30.250
44.000	30.250
44.250	30.240
44.500	30.240
44.750	30.240
45.000	30.230
45.250	30.230
45.500	30.230
45.750	30.220
46.000	30.220
46.250	30.220
46.500	30.220
46.750	30.210
47.000	30.210
47.250	30.210
47.500	30.210

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47.750	30.200
48.000	30.200
48.250	30.200
48.500	30.200
48.750	30.200
49.000	30.190
49.250	30.190
49.500	30.190
49.750	30.190
50.000	30.180
50.250	30.180
50.500	30.180
50.750	30.180
51.000	30.180
51.250	30.180
51.500	30.170
51.750	30.170
52.000	30.170
52.250	30.170
52.500	30.170
52.750	30.170
53.000	30.160
53.250	30.160
53.500	30.160
53.750	30.160
54.000	30.160
54.250	30.160
54.500	30.160
54.750	30.150
55.000	30.150
55.250	30.150
55.500	30.150
55.750	30.150
56.000	30.150
56.250	30.150
56.500	30.140
56.750	30.140
57.000	30.140
57.250	30.140
57.500	30.140
57.750	30.140
58.000	30.140
58.250	30.140
58.500	30.140
58.750	30.130
59.000	30.130
59.250	30.130
59.500	30.130
59.750	30.130
60.000	30.130
60.250	30.130
60.500	30.130
60.750	30.130
61.000	30.130
61.250	30.130
61.500	30.120
61.750	30.120
62.000	30.120
62.250	30.120
62.500	30.120
62.750	30.120
63.000	30.120
63.250	30.120
63.500	30.120
63.750	30.120
64.000	30.120
64.250	30.120
64.500	30.110
64.750	30.110
65.000	30.110
65.250	30.110
65.500	30.110
65.750	30.110
66.000	30.110
66.250	30.110
66.500	30.110
66.750	30.110
67.000	30.110

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67.250	30.110
67.500	30.110
67.750	30.110
68.000	30.110
68.250	30.110
68.500	30.100
68.750	30.100
69.000	30.100
69.250	30.100
69.500	30.100
69.750	30.100
70.000	30.100
70.250	30.100
70.500	30.100
70.750	30.100
71.000	30.100
71.250	30.100
71.500	30.100
71.750	30.100
72.000	30.100
72.250	30.100
72.500	30.100
72.750	30.100
73.000	30.100
73.250	30.090
73.500	30.090
73.750	30.090
74.000	30.090
74.250	30.090
74.500	30.090
74.750	30.090
75.000	30.090
75.250	30.090
75.500	30.090
75.750	30.090
76.000	30.090
76.250	30.090
76.500	30.090
76.750	30.090
77.000	30.090
77.250	30.090
77.500	30.090
77.750	30.090
78.000	30.090
78.250	30.090
78.500	30.090
78.750	30.090
79.000	30.090
79.250	30.090
79.500	30.080
79.750	30.080
80.000	30.080
80.250	30.080
80.500	30.080
80.750	30.080
81.000	30.080
81.250	30.080
81.500	30.080
81.750	30.080
82.000	30.080
82.250	30.080
82.500	30.080
82.750	30.080
83.000	30.080
83.250	30.080
83.500	30.080
83.750	30.080
84.000	30.080
84.250	30.080
84.500	30.080
84.750	30.080
85.000	30.080
85.250	30.080
85.500	30.080
85.750	30.080
86.000	30.080
86.250	30.080
86.500	30.080

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86.750	30.080
87.000	30.080
87.250	30.080
87.500	30.080
87.750	30.080
88.000	30.080
88.250	30.070
88.500	30.070
88.750	30.070
89.000	30.070
89.250	30.070
89.500	30.070
89.750	30.070
90.000	30.070
90.250	30.070
90.500	30.070
90.750	30.070
91.000	30.070
91.250	30.070
91.500	30.070
91.750	30.070
92.000	30.070
92.250	30.070
92.500	30.070
92.750	30.070
93.000	30.070
93.250	30.070
93.500	30.070
93.750	30.070
94.000	30.070
94.250	30.070
94.500	30.070
94.750	30.070
95.000	30.070
95.250	30.070
95.500	30.070
95.750	30.070
96.000	30.070

Name: 2.33yr24hr Node: MH-1-PB-tw Type: Stage

Time(hrs)	Stage(ft)
0.000	30.040
0.250	29.120
0.500	29.090
0.750	29.080
1.000	29.070
1.250	29.060
1.500	29.060
1.750	29.060
2.000	29.060
2.250	29.050
2.500	29.050
2.750	29.050
3.000	29.050
3.250	29.040
3.500	29.040
3.750	29.040
4.000	29.030
4.250	29.030
4.500	29.020
4.750	29.020
5.000	29.010
5.250	29.010
5.500	29.000
5.750	29.000
6.000	29.000
6.250	28.990
6.500	28.990
6.750	28.980
7.000	28.980
7.250	28.970
7.500	28.970
7.750	28.970
8.000	28.960
8.250	28.960

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8.500	28.950
8.750	28.950
9.000	28.950
9.250	28.950
9.500	28.950
9.750	28.950
10.000	28.950
10.250	28.950
10.500	28.960
10.750	28.970
11.000	28.990
11.250	29.010
11.500	29.030
11.750	29.110
12.000	29.340
12.250	29.760
12.500	30.150
12.750	30.440
13.000	30.810
13.250	31.090
13.500	31.430
13.750	31.690
14.000	31.820
14.250	31.840
14.500	31.840
14.750	31.840
15.000	31.870
15.250	31.900
15.500	31.920
15.750	31.940
16.000	31.960
16.250	31.970
16.500	31.990
16.750	32.010
17.000	32.030
17.250	32.050
17.500	32.060
17.750	32.070
18.000	32.080
18.250	32.090
18.500	32.100
18.750	32.100
19.000	32.110
19.250	32.110
19.500	32.110
19.750	32.110
20.000	32.110
20.250	32.110
20.500	32.100
20.750	32.090
21.000	32.070
21.250	32.050
21.500	32.030
21.750	31.990
22.000	31.940
22.250	31.870
22.500	31.800
22.750	31.740
23.000	31.670
23.250	31.610
23.500	31.550
23.750	31.470
24.000	31.400
24.250	31.300
24.500	31.190
24.750	31.080
25.000	30.970
25.250	30.870
25.500	30.770
25.750	30.680
26.000	30.600
26.250	30.530
26.500	30.470
26.750	30.420
27.000	30.370
27.250	30.330
27.500	30.290
27.750	30.250

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28.000	30.210
28.250	30.180
28.500	30.150
28.750	30.120
29.000	30.090
29.250	30.060
29.500	30.030
29.750	30.000
30.000	29.970
30.250	29.950
30.500	29.920
30.750	29.900
31.000	29.880
31.250	29.860
31.500	29.840
31.750	29.810
32.000	29.800
32.250	29.780
32.500	29.760
32.750	29.740
33.000	29.720
33.250	29.700
33.500	29.690
33.750	29.670
34.000	29.660
34.250	29.650
34.500	29.640
34.750	29.630
35.000	29.610
35.250	29.600
35.500	29.590
35.750	29.580
36.000	29.570
36.250	29.560
36.500	29.560
36.750	29.550
37.000	29.540
37.250	29.530
37.500	29.520
37.750	29.510
38.000	29.510
38.250	29.500
38.500	29.490
38.750	29.480
39.000	29.480
39.250	29.470
39.500	29.460
39.750	29.460
40.000	29.450
40.250	29.440
40.500	29.440
40.750	29.430
41.000	29.420
41.250	29.410
41.500	29.410
41.750	29.400
42.000	29.390
42.250	29.380
42.500	29.380
42.750	29.370
43.000	29.360
43.250	29.360
43.500	29.350
43.750	29.350
44.000	29.340
44.250	29.330
44.500	29.330
44.750	29.320
45.000	29.320
45.250	29.310
45.500	29.310
45.750	29.300
46.000	29.300
46.250	29.290
46.500	29.290
46.750	29.280
47.000	29.280
47.250	29.270

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47.500	29.270
47.750	29.270
48.000	29.260
48.250	29.260
48.500	29.250
48.750	29.250
49.000	29.240
49.250	29.240
49.500	29.240
49.750	29.230
50.000	29.230
50.250	29.220
50.500	29.220
50.750	29.220
51.000	29.210
51.250	29.210
51.500	29.210
51.750	29.200
52.000	29.200
52.250	29.200
52.500	29.190
52.750	29.190
53.000	29.190
53.250	29.180
53.500	29.180
53.750	29.180
54.000	29.170
54.250	29.170
54.500	29.170
54.750	29.170
55.000	29.160
55.250	29.160
55.500	29.160
55.750	29.150
56.000	29.150
56.250	29.150
56.500	29.150
56.750	29.140
57.000	29.140
57.250	29.140
57.500	29.140
57.750	29.130
58.000	29.130
58.250	29.130
58.500	29.120
58.750	29.120
59.000	29.120
59.250	29.120
59.500	29.120
59.750	29.110
60.000	29.110
60.250	29.110
60.500	29.110
60.750	29.100
61.000	29.100
61.250	29.100
61.500	29.100
61.750	29.090
62.000	29.090
62.250	29.090
62.500	29.090
62.750	29.090
63.000	29.080
63.250	29.080
63.500	29.080
63.750	29.080
64.000	29.070
64.250	29.070
64.500	29.070
64.750	29.070
65.000	29.070
65.250	29.070
65.500	29.060
65.750	29.060
66.000	29.060
66.250	29.060
66.500	29.060
66.750	29.050

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67.000	29.050
67.250	29.050
67.500	29.050
67.750	29.050
68.000	29.050
68.250	29.040
68.500	29.040
68.750	29.040
69.000	29.040
69.250	29.040
69.500	29.040
69.750	29.030
70.000	29.030
70.250	29.030
70.500	29.030
70.750	29.030
71.000	29.030
71.250	29.020
71.500	29.020
71.750	29.020
72.000	29.020
72.250	29.020
72.500	29.020
72.750	29.020
73.000	29.020
73.250	29.020
73.500	29.010
73.750	29.010
74.000	29.010
74.250	29.010
74.500	29.010
74.750	29.010
75.000	29.010
75.250	29.010
75.500	29.010
75.750	29.000
76.000	29.000
76.250	29.000
76.500	29.000
76.750	29.000
77.000	29.000
77.250	29.000
77.500	29.000
77.750	29.000
78.000	29.000
78.250	29.000
78.500	28.990
78.750	28.990
79.000	28.990
79.250	28.990
79.500	28.990
79.750	28.990
80.000	28.990
80.250	28.990
80.500	28.990
80.750	28.990
81.000	28.990
81.250	28.980
81.500	28.980
81.750	28.980
82.000	28.980
82.250	28.980
82.500	28.980
82.750	28.980
83.000	28.980
83.250	28.980
83.500	28.980
83.750	28.980
84.000	28.980
84.250	28.980
84.500	28.980
84.750	28.980
85.000	28.980
85.250	28.980
85.500	28.980
85.750	28.980
86.000	28.980
86.250	28.980

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86.500	28.970
86.750	28.970
87.000	28.970
87.250	28.970
87.500	28.970
87.750	28.970
88.000	28.970
88.250	28.970
88.500	28.970
88.750	28.970
89.000	28.970
89.250	28.970
89.500	28.970
89.750	28.970
90.000	28.970
90.250	28.970
90.500	28.970
90.750	28.970
91.000	28.970
91.250	28.970
91.500	28.970
91.750	28.970
92.000	28.970
92.250	28.970
92.500	28.970
92.750	28.970
93.000	28.970
93.250	28.970
93.500	28.970
93.750	28.970
94.000	28.970
94.250	28.970
94.500	28.970
94.750	28.960
95.000	28.960
95.250	28.960
95.500	28.960
95.750	28.960
96.000	28.960

Name: 2.33yr24hr Node: BOX 1-IN tw Type: Stage

Time(hrs)	Stage(ft)
0.000	30.040
0.250	30.160
0.500	30.130
0.750	30.110
1.000	30.100
1.250	30.090
1.500	30.090
1.750	30.080
2.000	30.080
2.250	30.080
2.500	30.080
2.750	30.080
3.000	30.080
3.250	30.080
3.500	30.080
3.750	30.080
4.000	30.080
4.250	30.080
4.500	30.090
4.750	30.090
5.000	30.100
5.250	30.110
5.500	30.110
5.750	30.120
6.000	30.130
6.250	30.140
6.500	30.150
6.750	30.150
7.000	30.160
7.250	30.170
7.500	30.170
7.750	30.180
8.000	30.190

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8.250	30.200
8.500	30.210
8.750	30.220
9.000	30.230
9.250	30.240
9.500	30.250
9.750	30.260
10.000	30.270
10.250	30.280
10.500	30.300
10.750	30.310
11.000	30.330
11.250	30.360
11.500	30.380
11.750	30.430
12.000	30.550
12.250	30.770
12.500	30.960
12.750	31.070
13.000	31.140
13.250	31.240
13.500	31.380
13.750	31.450
14.000	31.510
14.250	31.520
14.500	31.530
14.750	31.530
15.000	31.520
15.250	31.520
15.500	31.510
15.750	31.510
16.000	31.510
16.250	31.500
16.500	31.500
16.750	31.500
17.000	31.510
17.250	31.500
17.500	31.500
17.750	31.490
18.000	31.490
18.250	31.480
18.500	31.480
18.750	31.470
19.000	31.460
19.250	31.450
19.500	31.440
19.750	31.430
20.000	31.420
20.250	31.410
20.500	31.400
20.750	31.390
21.000	31.370
21.250	31.360
21.500	31.340
21.750	31.330
22.000	31.310
22.250	31.290
22.500	31.270
22.750	31.240
23.000	31.220
23.250	31.200
23.500	31.170
23.750	31.150
24.000	31.120
24.250	31.100
24.500	31.070
24.750	31.050
25.000	31.030
25.250	31.020
25.500	31.020
25.750	31.010
26.000	30.990
26.250	30.980
26.500	30.970
26.750	30.950
27.000	30.940
27.250	30.920
27.500	30.910

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27.750	30.890
28.000	30.880
28.250	30.860
28.500	30.840
28.750	30.830
29.000	30.810
29.250	30.800
29.500	30.780
29.750	30.770
30.000	30.760
30.250	30.740
30.500	30.730
30.750	30.720
31.000	30.700
31.250	30.690
31.500	30.680
31.750	30.670
32.000	30.660
32.250	30.650
32.500	30.640
32.750	30.630
33.000	30.620
33.250	30.610
33.500	30.600
33.750	30.590
34.000	30.580
34.250	30.580
34.500	30.570
34.750	30.560
35.000	30.560
35.250	30.550
35.500	30.550
35.750	30.540
36.000	30.540
36.250	30.530
36.500	30.530
36.750	30.530
37.000	30.520
37.250	30.520
37.500	30.510
37.750	30.510
38.000	30.500
38.250	30.500
38.500	30.500
38.750	30.490
39.000	30.490
39.250	30.490
39.500	30.480
39.750	30.480
40.000	30.480
40.250	30.470
40.500	30.470
40.750	30.470
41.000	30.460
41.250	30.460
41.500	30.460
41.750	30.450
42.000	30.450
42.250	30.440
42.500	30.440
42.750	30.440
43.000	30.430
43.250	30.430
43.500	30.430
43.750	30.420
44.000	30.420
44.250	30.420
44.500	30.410
44.750	30.410
45.000	30.410
45.250	30.410
45.500	30.400
45.750	30.400
46.000	30.400
46.250	30.390
46.500	30.390
46.750	30.390
47.000	30.390

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47.250	30.380
47.500	30.380
47.750	30.380
48.000	30.380
48.250	30.370
48.500	30.370
48.750	30.370
49.000	30.370
49.250	30.360
49.500	30.360
49.750	30.360
50.000	30.360
50.250	30.350
50.500	30.350
50.750	30.350
51.000	30.350
51.250	30.350
51.500	30.340
51.750	30.340
52.000	30.340
52.250	30.340
52.500	30.340
52.750	30.330
53.000	30.330
53.250	30.330
53.500	30.330
53.750	30.320
54.000	30.320
54.250	30.320
54.500	30.320
54.750	30.320
55.000	30.310
55.250	30.310
55.500	30.310
55.750	30.310
56.000	30.310
56.250	30.310
56.500	30.300
56.750	30.300
57.000	30.300
57.250	30.300
57.500	30.300
57.750	30.290
58.000	30.290
58.250	30.290
58.500	30.290
58.750	30.290
59.000	30.290
59.250	30.280
59.500	30.280
59.750	30.280
60.000	30.280
60.250	30.280
60.500	30.270
60.750	30.270
61.000	30.270
61.250	30.270
61.500	30.270
61.750	30.270
62.000	30.260
62.250	30.260
62.500	30.260
62.750	30.260
63.000	30.260
63.250	30.260
63.500	30.250
63.750	30.250
64.000	30.250
64.250	30.250
64.500	30.250
64.750	30.250
65.000	30.240
65.250	30.240
65.500	30.240
65.750	30.240
66.000	30.240
66.250	30.240
66.500	30.240

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66.750	30.230
67.000	30.230
67.250	30.230
67.500	30.230
67.750	30.230
68.000	30.230
68.250	30.220
68.500	30.220
68.750	30.220
69.000	30.220
69.250	30.220
69.500	30.220
69.750	30.210
70.000	30.210
70.250	30.210
70.500	30.210
70.750	30.210
71.000	30.210
71.250	30.210
71.500	30.200
71.750	30.200
72.000	30.200
72.250	30.200
72.500	30.200
72.750	30.200
73.000	30.200
73.250	30.200
73.500	30.190
73.750	30.190
74.000	30.190
74.250	30.190
74.500	30.190
74.750	30.190
75.000	30.190
75.250	30.190
75.500	30.190
75.750	30.180
76.000	30.180
76.250	30.180
76.500	30.180
76.750	30.180
77.000	30.180
77.250	30.180
77.500	30.180
77.750	30.180
78.000	30.170
78.250	30.170
78.500	30.170
78.750	30.170
79.000	30.170
79.250	30.170
79.500	30.170
79.750	30.170
80.000	30.170
80.250	30.160
80.500	30.160
80.750	30.160
81.000	30.160
81.250	30.160
81.500	30.160
81.750	30.160
82.000	30.160
82.250	30.160
82.500	30.160
82.750	30.160
83.000	30.160
83.250	30.160
83.500	30.160
83.750	30.150
84.000	30.150
84.250	30.150
84.500	30.150
84.750	30.150
85.000	30.150
85.250	30.150
85.500	30.150
85.750	30.150
86.000	30.150

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86.250	30.150
86.500	30.150
86.750	30.150
87.000	30.150
87.250	30.150
87.500	30.150
87.750	30.150
88.000	30.150
88.250	30.150
88.500	30.150
88.750	30.150
89.000	30.140
89.250	30.140
89.500	30.140
89.750	30.140
90.000	30.140
90.250	30.140
90.500	30.140
90.750	30.140
91.000	30.140
91.250	30.140
91.500	30.140
91.750	30.140
92.000	30.140
92.250	30.140
92.500	30.140
92.750	30.140
93.000	30.140
93.250	30.140
93.500	30.140
93.750	30.140
94.000	30.140
94.250	30.140
94.500	30.140
94.750	30.140
95.000	30.140
95.250	30.140
95.500	30.140
95.750	30.140
96.000	30.140

Name: 10yr25hr Node: LAKE 3-PB tw Type: Stage

Time(hrs)	Stage(ft)
0.000	30.040
0.250	30.040
0.500	30.040
0.750	30.040
1.000	30.040
1.250	30.040
1.500	30.050
1.750	30.060
2.000	30.080
2.250	30.100
2.500	30.110
2.750	30.130
3.000	30.150
3.250	30.160
3.500	30.180
3.750	30.200
4.000	30.220
4.250	30.240
4.500	30.250
4.750	30.270
5.000	30.290
5.250	30.310
5.500	30.330
5.750	30.340
6.000	30.360
6.250	30.380
6.500	30.400
6.750	30.420
7.000	30.440
7.250	30.460
7.500	30.480
7.750	30.500

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8.000	30.520
8.250	30.540
8.500	30.560
8.750	30.590
9.000	30.620
9.250	30.650
9.500	30.680
9.750	30.710
10.000	30.740
10.250	30.780
10.500	30.820
10.750	30.880
11.000	30.940
11.250	31.000
11.500	31.090
11.750	31.340
12.000	31.870
12.250	32.460
12.500	32.820
12.750	32.990
13.000	33.040
13.250	33.060
13.500	33.060
13.750	33.050
14.000	33.030
14.250	33.010
14.500	32.990
14.750	32.960
15.000	32.940
15.250	32.910
15.500	32.880
15.750	32.850
16.000	32.820
16.250	32.790
16.500	32.760
16.750	32.730
17.000	32.700
17.250	32.670
17.500	32.640
17.750	32.610
18.000	32.580
18.250	32.550
18.500	32.520
18.750	32.490
19.000	32.460
19.250	32.430
19.500	32.410
19.750	32.380
20.000	32.350
20.250	32.330
20.500	32.300
20.750	32.270
21.000	32.240
21.250	32.210
21.500	32.190
21.750	32.160
22.000	32.140
22.250	32.110
22.500	32.090
22.750	32.060
23.000	32.040
23.250	32.010
23.500	31.980
23.750	31.960
24.000	31.930

Name: 10yr25hr Node: MH-1-PB-tw Type: Stage

Time(hrs)	Stage(ft)
0.000	30.040
0.250	29.210
0.500	29.110
0.750	29.080
1.000	29.070
1.250	29.060
1.500	29.060

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1.750	29.060
2.000	29.050
2.250	29.050
2.500	29.050
2.750	29.050
3.000	29.050
3.250	29.050
3.500	29.040
3.750	29.040
4.000	29.040
4.250	29.040
4.500	29.040
4.750	29.050
5.000	29.050
5.250	29.050
5.500	29.050
5.750	29.060
6.000	29.060
6.250	29.060
6.500	29.060
6.750	29.070
7.000	29.070
7.250	29.070
7.500	29.080
7.750	29.080
8.000	29.090
8.250	29.090
8.500	29.100
8.750	29.110
9.000	29.120
9.250	29.130
9.500	29.150
9.750	29.170
10.000	29.200
10.250	29.240
10.500	29.280
10.750	29.330
11.000	29.390
11.250	29.460
11.500	29.540
11.750	29.690
12.000	30.000
12.250	30.510
12.500	31.060
12.750	31.480
13.000	31.820
13.250	32.030
13.500	32.150
13.750	32.190
14.000	32.210
14.250	32.210
14.500	32.220
14.750	32.230
15.000	32.270
15.250	32.310
15.500	32.340
15.750	32.370
16.000	32.400
16.250	32.420
16.500	32.450
16.750	32.470
17.000	32.490
17.250	32.510
17.500	32.530
17.750	32.540
18.000	32.550
18.250	32.560
18.500	32.570
18.750	32.570
19.000	32.580
19.250	32.580
19.500	32.590
19.750	32.590
20.000	32.590
20.250	32.590
20.500	32.580
20.750	32.580
21.000	32.570

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21.250	32.550
21.500	32.540
21.750	32.520
22.000	32.500
22.250	32.480
22.500	32.450
22.750	32.420
23.000	32.370
23.250	32.310
23.500	32.260
23.750	32.200
24.000	32.140

Name: 10yr25hr Node: BOX 1-IN tw Type: Stage

Time(hrs)	Stage(ft)
0.000	30.040
0.250	30.160
0.500	30.130
0.750	30.110
1.000	30.100
1.250	30.090
1.500	30.090
1.750	30.080
2.000	30.080
2.250	30.080
2.500	30.080
2.750	30.080
3.000	30.080
3.250	30.080
3.500	30.090
3.750	30.100
4.000	30.110
4.250	30.120
4.500	30.130
4.750	30.140
5.000	30.160
5.250	30.170
5.500	30.180
5.750	30.190
6.000	30.200
6.250	30.210
6.500	30.220
6.750	30.230
7.000	30.240
7.250	30.250
7.500	30.270
7.750	30.280
8.000	30.290
8.250	30.300
8.500	30.310
8.750	30.320
9.000	30.340
9.250	30.350
9.500	30.370
9.750	30.390
10.000	30.420
10.250	30.450
10.500	30.480
10.750	30.520
11.000	30.560
11.250	30.600
11.500	30.660
11.750	30.740
12.000	30.900
12.250	31.090
12.500	31.330
12.750	31.590
13.000	31.780
13.250	31.880
13.500	31.940
13.750	31.980
14.000	32.000
14.250	32.020
14.500	32.040
14.750	32.060

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15.000	32.070
15.250	32.080
15.500	32.100
15.750	32.120
16.000	32.130
16.250	32.140
16.500	32.160
16.750	32.170
17.000	32.180
17.250	32.180
17.500	32.180
17.750	32.180
18.000	32.180
18.250	32.180
18.500	32.180
18.750	32.170
19.000	32.170
19.250	32.160
19.500	32.150
19.750	32.150
20.000	32.140
20.250	32.130
20.500	32.120
20.750	32.100
21.000	32.090
21.250	32.070
21.500	32.060
21.750	32.040
22.000	32.020
22.250	32.000
22.500	31.980
22.750	31.960
23.000	31.930
23.250	31.900
23.500	31.880
23.750	31.850
24.000	31.820

Name: 100YR24HR Node: N_HH00012 Type: Stage

Time(hrs)	Stage(ft)
0.000	29.410
1.250	29.410
6.110	29.670
9.440	30.000
11.420	30.310
12.500	31.890
15.100	31.400
17.090	31.570
18.790	31.680
22.120	31.480
25.630	30.820
28.870	30.150
36.600	29.700
50.000	29.530
120.000	29.500

Name: 100YR24HR Node: N_HH00020 Type: Stage

Time(hrs)	Stage(ft)
0.000	23.000
1.130	23.490
5.030	23.820
7.550	24.520
11.710	26.210
13.600	23.310
16.740	29.810
25.180	28.900
34.870	25.950
54.260	24.160
69.750	23.860
120.000	23.520

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Name: 100YR24HR Node: N_HH02030 Type: Stage

Time(hrs)	Stage(ft)
0.000	29.580
1.180	29.580
11.150	30.260
12.650	30.990
13.160	30.940
18.560	31.670
23.640	31.190
27.730	30.110
34.750	29.780
59.670	29.680
120.000	29.600

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5. PROPOSED CONDITIONS MODEL (PCM)

5A. PCM BASIN MAP

5B. PCM HYDROLOGY CALCULATIONS

5C. PCM NODE/LINK MAP

5D. PCM ICPR INPUT REPORT

5E. PCM ICPR BASIN SUMMARY

5F. PCM ICPR NODE MAXIMUM CONDITIONS REPORT

5G. PCM ICPR LINK MAXIMUM CONDITIONS REPORT

5H. POST-DEVELOPED DISCHARGE RATE / PRE-POST COMPARISON

5I. WETLAND NW-W22 RECM-PCM HYDROPERIOD ANALYSIS

```
            Basin Name: B-100
            Group Name: CORE
            Simulation: 025yr24hr
             Node Name: L-100A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 2.24
    Comp Time Inc (min): 2.24
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 16.80
       Time Shift (hrs): 0.00
              Area (ac): 9.070
   Vol of Unit Hyd (in): 1.000
           Curve Number: 92.000
               DCIA (%): 0.000

         Time Max (hrs): 12.10
         Flow Max (cfs): 33.96
     Runoff Volume (in): 7.039
    Runoff Volume (ft3): 231739


--------------------------------------------------------------------------------

            Basin Name: B-100
            Group Name: CORE
            Simulation: 100yr24hr
             Node Name: L-100A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 2.24
    Comp Time Inc (min): 2.24
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 16.80
       Time Shift (hrs): 0.00
              Area (ac): 9.070
   Vol of Unit Hyd (in): 1.000
           Curve Number: 92.000
               DCIA (%): 0.000

         Time Max (hrs): 12.10
         Flow Max (cfs): 43.01
     Runoff Volume (in): 9.021
    Runoff Volume (ft3): 297008


--------------------------------------------------------------------------------

            Basin Name: B-arena
            Group Name: CORE
            Simulation: 025yr24hr
             Node Name: LAKE 1-arena
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 1.33
    Comp Time Inc (min): 1.33
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 10.00
       Time Shift (hrs): 0.00
              Area (ac): 22.280
   Vol of Unit Hyd (in): 1.000
           Curve Number: 95.000
               DCIA (%): 0.000
```


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```
         Time Max (hrs): 12.04
         Flow Max (cfs): 105.43
      Runoff Volume (in): 7.399
     Runoff Volume (ft3): 598390


--------------------------------------------------------------------------------

             Basin Name: B-arena
             Group Name: CORE
             Simulation: 100yr24hr
              Node Name: LAKE 1-arena
             Basin Type: SCS Unit Hydrograph

         Unit Hydrograph: Uh256
           Peaking Fator: 256.0
     Spec Time Inc (min): 1.33
     Comp Time Inc (min): 1.33
           Rainfall File: Flmod
    Rainfall Amount (in): 10.000
    Storm Duration (hrs): 24.00
                  Status: Onsite
      Time of Conc (min): 10.00
        Time Shift (hrs): 0.00
                Area (ac): 22.280
    Vol of Unit Hyd (in): 1.000
            Curve Number: 95.000
                DCIA (%): 0.000

          Time Max (hrs): 12.04
          Flow Max (cfs): 132.48
       Runoff Volume (in): 9.392
      Runoff Volume (ft3): 759578


--------------------------------------------------------------------------------

             Basin Name: B-DOT 7
             Group Name: CORE
             Simulation: 025yr24hr
              Node Name: DOT Pond 7
             Basin Type: SCS Unit Hydrograph

         Unit Hydrograph: Uh256
           Peaking Fator: 256.0
     Spec Time Inc (min): 4.68
     Comp Time Inc (min): 4.68
           Rainfall File: Flmod
    Rainfall Amount (in): 8.000
    Storm Duration (hrs): 24.00
                  Status: Onsite
      Time of Conc (min): 35.11
        Time Shift (hrs): 0.00
                Area (ac): 27.210
    Vol of Unit Hyd (in): 1.000
            Curve Number: 91.820
                DCIA (%): 0.000

          Time Max (hrs): 12.33
          Flow Max (cfs): 69.87
       Runoff Volume (in): 7.016
      Runoff Volume (ft3): 692981


--------------------------------------------------------------------------------

             Basin Name: B-DOT 7
             Group Name: CORE
             Simulation: 100yr24hr
              Node Name: DOT Pond 7
             Basin Type: SCS Unit Hydrograph

         Unit Hydrograph: Uh256
           Peaking Fator: 256.0
     Spec Time Inc (min): 4.68
     Comp Time Inc (min): 4.68
           Rainfall File: Flmod
```


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```
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 35.11
       Time Shift (hrs): 0.00
              Area (ac): 27.210
   Vol of Unit Hyd (in): 1.000
          Curve Number: 91.820
              DCIA (%): 0.000

         Time Max (hrs): 12.33
         Flow Max (cfs): 88.62
    Runoff Volume (in): 8.997
   Runoff Volume (ft3): 888686


--------------------------------------------------------------------------------

             Basin Name: B08-BR
             Group Name: CORE
             Simulation: 025yr24hr
              Node Name: N05-BR
             Basin Type: SCS Unit Hydrograph

         Unit Hydrograph: Uh256
           Peaking Fator: 256.0
    Spec Time Inc (min): 4.00
    Comp Time Inc (min): 4.00
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 30.00
       Time Shift (hrs): 0.00
              Area (ac): 5.500
   Vol of Unit Hyd (in): 1.000
          Curve Number: 78.000
              DCIA (%): 0.000

         Time Max (hrs): 12.27
         Flow Max (cfs): 12.38
    Runoff Volume (in): 5.389
   Runoff Volume (ft3): 107595


--------------------------------------------------------------------------------

             Basin Name: B08-BR
             Group Name: CORE
             Simulation: 100yr24hr
              Node Name: N05-BR
             Basin Type: SCS Unit Hydrograph

         Unit Hydrograph: Uh256
           Peaking Fator: 256.0
    Spec Time Inc (min): 4.00
    Comp Time Inc (min): 4.00
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 30.00
       Time Shift (hrs): 0.00
              Area (ac): 5.500
   Vol of Unit Hyd (in): 1.000
          Curve Number: 78.000
              DCIA (%): 0.000

         Time Max (hrs): 12.27
         Flow Max (cfs): 16.61
    Runoff Volume (in): 7.262
   Runoff Volume (ft3): 144986


--------------------------------------------------------------------------------

             Basin Name: B10-BR
             Group Name: CORE
```


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```
            Simulation: 025yr24hr
             Node Name: NW-W23A W23B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
   Spec Time Inc (min): 9.20
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 8.000
  Storm Duration (hrs): 24.00
                Status: Onsite
    Time of Conc (min): 69.00
      Time Shift (hrs): 0.00
             Area (ac): 14.380
  Vol of Unit Hyd (in): 1.000
          Curve Number: 79.000
              DCIA (%): 0.000

       Time Max (hrs): 12.75
       Flow Max (cfs): 19.82
    Runoff Volume (in): 5.505
   Runoff Volume (ft3): 287337


--------------------------------------------------------------------------------

            Basin Name: B10-BR
            Group Name: CORE
            Simulation: 100yr24hr
             Node Name: NW-W23A W23B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
   Spec Time Inc (min): 9.20
   Comp Time Inc (min): 5.00
         Rainfall File: Flmod
  Rainfall Amount (in): 10.000
  Storm Duration (hrs): 24.00
                Status: Onsite
    Time of Conc (min): 69.00
      Time Shift (hrs): 0.00
             Area (ac): 14.380
  Vol of Unit Hyd (in): 1.000
          Curve Number: 79.000
              DCIA (%): 0.000

       Time Max (hrs): 12.75
       Flow Max (cfs): 26.55
    Runoff Volume (in): 7.388
   Runoff Volume (ft3): 385669


--------------------------------------------------------------------------------

            Basin Name: B11-BR
            Group Name: CORE
            Simulation: 025yr24hr
             Node Name: NW-W24
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
   Spec Time Inc (min): 2.80
   Comp Time Inc (min): 2.80
         Rainfall File: Flmod
  Rainfall Amount (in): 8.000
  Storm Duration (hrs): 24.00
                Status: Onsite
    Time of Conc (min): 21.00
      Time Shift (hrs): 0.00
             Area (ac): 8.390
  Vol of Unit Hyd (in): 1.000
          Curve Number: 75.000
              DCIA (%): 0.000

       Time Max (hrs): 12.18
```


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```
        Flow Max (cfs): 21.25
     Runoff Volume (in): 5.039
    Runoff Volume (ft3): 153466


--------------------------------------------------------------------------------

            Basin Name: B11-BR
            Group Name: CORE
            Simulation: 100yr24hr
             Node Name: NW-W24
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 2.80
    Comp Time Inc (min): 2.80
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 21.00
       Time Shift (hrs): 0.00
              Area (ac): 8.390
   Vol of Unit Hyd (in): 1.000
           Curve Number: 75.000
                DCIA (%): 0.000

         Time Max (hrs): 12.13
        Flow Max (cfs): 28.94
     Runoff Volume (in): 6.874
    Runoff Volume (ft3): 209341


--------------------------------------------------------------------------------

            Basin Name: B11-WS
            Group Name: CORE
            Simulation: 025yr24hr
             Node Name: NW-W23A W23B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 6.53
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 49.00
       Time Shift (hrs): 0.00
              Area (ac): 19.360
   Vol of Unit Hyd (in): 1.000
           Curve Number: 80.000
                DCIA (%): 0.000

         Time Max (hrs): 12.50
        Flow Max (cfs): 34.09
     Runoff Volume (in): 5.619
    Runoff Volume (ft3): 394866


--------------------------------------------------------------------------------

            Basin Name: B11-WS
            Group Name: CORE
            Simulation: 100yr24hr
             Node Name: NW-W23A W23B
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 6.53
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
```


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```
                Status: Onsite
     Time of Conc (min): 49.00
       Time Shift (hrs): 0.00
              Area (ac): 19.360
   Vol of Unit Hyd (in): 1.000
          Curve Number: 80.000
              DCIA (%): 0.000

         Time Max (hrs): 12.50
         Flow Max (cfs): 45.37
     Runoff Volume (in): 7.512
    Runoff Volume (ft3): 527950


--------------------------------------------------------------------------------

             Basin Name: B12-BR
             Group Name: CORE
             Simulation: 025yr24hr
              Node Name: N_WS07010
             Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 5.33
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                Status: Onsite
     Time of Conc (min): 40.00
       Time Shift (hrs): 0.00
              Area (ac): 10.310
   Vol of Unit Hyd (in): 1.000
          Curve Number: 78.000
              DCIA (%): 0.000

         Time Max (hrs): 12.42
         Flow Max (cfs): 19.65
     Runoff Volume (in): 5.380
    Runoff Volume (ft3): 201338


--------------------------------------------------------------------------------

             Basin Name: B12-BR
             Group Name: CORE
             Simulation: 100yr24hr
              Node Name: N_WS07010
             Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 5.33
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                Status: Onsite
     Time of Conc (min): 40.00
       Time Shift (hrs): 0.00
              Area (ac): 10.310
   Vol of Unit Hyd (in): 1.000
          Curve Number: 78.000
              DCIA (%): 0.000

         Time Max (hrs): 12.42
         Flow Max (cfs): 26.36
     Runoff Volume (in): 7.249
    Runoff Volume (ft3): 271304


--------------------------------------------------------------------------------

             Basin Name: B13-WS
             Group Name: CORE
             Simulation: 025yr24hr
              Node Name: N_WS07010
```


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```
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 7.73
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 58.00
       Time Shift (hrs): 0.00
              Area (ac): 70.080
   Vol of Unit Hyd (in): 1.000
           Curve Number: 71.000
               DCIA (%): 0.000

         Time Max (hrs): 12.67
         Flow Max (cfs): 89.57
     Runoff Volume (in): 4.575
    Runoff Volume (ft3): 1163940


--------------------------------------------------------------------------------

            Basin Name: B13-WS
            Group Name: CORE
            Simulation: 100yr24hr
             Node Name: N_WS07010
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 7.73
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 58.00
       Time Shift (hrs): 0.00
              Area (ac): 70.080
   Vol of Unit Hyd (in): 1.000
           Curve Number: 71.000
               DCIA (%): 0.000

         Time Max (hrs): 12.67
         Flow Max (cfs): 124.96
     Runoff Volume (in): 6.351
    Runoff Volume (ft3): 1615565


--------------------------------------------------------------------------------

            Basin Name: B15-WS
            Group Name: CORE
            Simulation: 025yr24hr
             Node Name: N_HH09020
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 9.07
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 68.00
       Time Shift (hrs): 0.00
              Area (ac): 5.300
   Vol of Unit Hyd (in): 1.000
           Curve Number: 78.000
               DCIA (%): 0.000

         Time Max (hrs): 12.75
         Flow Max (cfs): 7.22
     Runoff Volume (in): 5.389
```


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```
    Runoff Volume (ft3): 103673


--------------------------------------------------------------------------------

            Basin Name: B15-WS
            Group Name: CORE
            Simulation: 100yr24hr
             Node Name: N_HH09020
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 9.07
    Comp Time Inc (min): 5.00
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 68.00
       Time Shift (hrs): 0.00
              Area (ac): 5.300
   Vol of Unit Hyd (in): 1.000
           Curve Number: 78.000
               DCIA (%): 0.000

         Time Max (hrs): 12.75
         Flow Max (cfs): 9.72
      Runoff Volume (in): 7.261
     Runoff Volume (ft3): 139700


--------------------------------------------------------------------------------

            Basin Name: DITCH 1
            Group Name: CORE
            Simulation: 025yr24hr
             Node Name: BOX 2-IN
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 1.33
    Comp Time Inc (min): 1.33
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 10.00
       Time Shift (hrs): 0.00
              Area (ac): 0.710
   Vol of Unit Hyd (in): 1.000
           Curve Number: 78.000
               DCIA (%): 15.500

         Time Max (hrs): 12.04
         Flow Max (cfs): 2.80
      Runoff Volume (in): 5.778
     Runoff Volume (ft3): 14892


--------------------------------------------------------------------------------

            Basin Name: DITCH 1
            Group Name: CORE
            Simulation: 100yr24hr
             Node Name: BOX 2-IN
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 1.33
    Comp Time Inc (min): 1.33
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 10.00
```


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```
       Time Shift (hrs): 0.00
             Area (ac): 0.710
   Vol of Unit Hyd (in): 1.000
           Curve Number: 78.000
               DCIA (%): 15.500

         Time Max (hrs): 12.04
         Flow Max (cfs): 3.69
     Runoff Volume (in): 7.670
    Runoff Volume (ft3): 19769


--------------------------------------------------------------------------------

             Basin Name: DITCH 2
             Group Name: CORE
             Simulation: 025yr24hr
              Node Name: SR-70
             Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 1.33
    Comp Time Inc (min): 1.33
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 10.00
       Time Shift (hrs): 0.00
             Area (ac): 1.050
   Vol of Unit Hyd (in): 1.000
           Curve Number: 78.000
               DCIA (%): 19.000

         Time Max (hrs): 12.04
         Flow Max (cfs): 4.18
     Runoff Volume (in): 5.866
    Runoff Volume (ft3): 22357


--------------------------------------------------------------------------------

             Basin Name: DITCH 2
             Group Name: CORE
             Simulation: 100yr24hr
              Node Name: SR-70
             Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 1.33
    Comp Time Inc (min): 1.33
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 10.00
       Time Shift (hrs): 0.00
             Area (ac): 1.050
   Vol of Unit Hyd (in): 1.000
           Curve Number: 78.000
               DCIA (%): 19.000

         Time Max (hrs): 12.04
         Flow Max (cfs): 5.49
     Runoff Volume (in): 7.763
    Runoff Volume (ft3): 29587


--------------------------------------------------------------------------------

             Basin Name: NW-W22
             Group Name: CORE
             Simulation: 025yr24hr
              Node Name: NW-W22
             Basin Type: SCS Unit Hydrograph
```


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```
        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 2.67
    Comp Time Inc (min): 2.67
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 20.00
       Time Shift (hrs): 0.00
              Area (ac): 14.000
   Vol of Unit Hyd (in): 1.000
           Curve Number: 73.000
                DCIA (%): 0.000

         Time Max (hrs): 12.13
         Flow Max (cfs): 34.80
     Runoff Volume (in): 4.808
    Runoff Volume (ft3): 244358


--------------------------------------------------------------------------------

              Basin Name: NW-W22
              Group Name: CORE
              Simulation: 100yr24hr
               Node Name: NW-W22
              Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 2.67
    Comp Time Inc (min): 2.67
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 20.00
       Time Shift (hrs): 0.00
              Area (ac): 14.000
   Vol of Unit Hyd (in): 1.000
           Curve Number: 73.000
                DCIA (%): 0.000

         Time Max (hrs): 12.13
         Flow Max (cfs): 47.91
     Runoff Volume (in): 6.615
    Runoff Volume (ft3): 336176


--------------------------------------------------------------------------------

              Basin Name: NW-W28A
              Group Name: CORE
              Simulation: 025yr24hr
               Node Name: NW-W28A
              Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 2.67
    Comp Time Inc (min): 2.67
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 20.00
       Time Shift (hrs): 0.00
              Area (ac): 4.310
   Vol of Unit Hyd (in): 1.000
           Curve Number: 90.000
                DCIA (%): 0.000

         Time Max (hrs): 12.13
         Flow Max (cfs): 14.60
     Runoff Volume (in): 6.803
    Runoff Volume (ft3): 106439
```


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```
--------------------------------------------------------------------------------

            Basin Name: NW-W28A
            Group Name: CORE
            Simulation: 100yr24hr
             Node Name: NW-W28A
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 2.67
    Comp Time Inc (min): 2.67
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 20.00
       Time Shift (hrs): 0.00
              Area (ac): 4.310
   Vol of Unit Hyd (in): 1.000
           Curve Number: 90.000
               DCIA (%): 0.000

         Time Max (hrs): 12.13
         Flow Max (cfs): 18.61
     Runoff Volume (in): 8.777
    Runoff Volume (ft3): 137320


--------------------------------------------------------------------------------

            Basin Name: NW-W28B
            Group Name: CORE
            Simulation: 025yr24hr
             Node Name: NW-W28b
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 3.33
    Comp Time Inc (min): 3.33
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 25.00
       Time Shift (hrs): 0.00
              Area (ac): 6.430
   Vol of Unit Hyd (in): 1.000
           Curve Number: 90.000
               DCIA (%): 0.000

         Time Max (hrs): 12.17
         Flow Max (cfs): 19.42
     Runoff Volume (in): 6.803
    Runoff Volume (ft3): 158794


--------------------------------------------------------------------------------

            Basin Name: NW-W28B
            Group Name: CORE
            Simulation: 100yr24hr
             Node Name: NW-W28b
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 3.33
    Comp Time Inc (min): 3.33
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 25.00
       Time Shift (hrs): 0.00
              Area (ac): 6.430
```


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```
   Vol of Unit Hyd (in): 1.000
           Curve Number: 90.000
               DCIA (%): 0.000

         Time Max (hrs): 12.17
         Flow Max (cfs): 24.78
    Runoff Volume (in): 8.777
   Runoff Volume (ft3): 204865


--------------------------------------------------------------------------------

              Basin Name: Post-5
              Group Name: CORE
              Simulation: 025yr24hr
               Node Name: Lake 5
              Basin Type: SCS Unit Hydrograph

          Unit Hydrograph: Uh256
            Peaking Fator: 256.0
   Spec Time Inc (min): 1.33
   Comp Time Inc (min): 1.33
         Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 10.00
       Time Shift (hrs): 0.00
              Area (ac): 9.930
   Vol of Unit Hyd (in): 1.000
           Curve Number: 90.000
               DCIA (%): 0.000

         Time Max (hrs): 12.04
         Flow Max (cfs): 45.07
    Runoff Volume (in): 6.803
   Runoff Volume (ft3): 245230


--------------------------------------------------------------------------------

              Basin Name: Post-5
              Group Name: CORE
              Simulation: 100yr24hr
               Node Name: Lake 5
              Basin Type: SCS Unit Hydrograph

          Unit Hydrograph: Uh256
            Peaking Fator: 256.0
   Spec Time Inc (min): 1.33
   Comp Time Inc (min): 1.33
         Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 10.00
       Time Shift (hrs): 0.00
              Area (ac): 9.930
   Vol of Unit Hyd (in): 1.000
           Curve Number: 90.000
               DCIA (%): 0.000

         Time Max (hrs): 12.04
         Flow Max (cfs): 57.36
    Runoff Volume (in): 8.777
   Runoff Volume (ft3): 316378


--------------------------------------------------------------------------------

              Basin Name: Post-7
              Group Name: CORE
              Simulation: 025yr24hr
               Node Name: Lake-7
              Basin Type: SCS Unit Hydrograph

          Unit Hydrograph: Uh256
            Peaking Fator: 256.0
```


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```
    Spec Time Inc (min): 2.00
    Comp Time Inc (min): 2.00
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 15.00
       Time Shift (hrs): 0.00
              Area (ac): 20.710
   Vol of Unit Hyd (in): 1.000
           Curve Number: 93.000
               DCIA (%): 0.000

         Time Max (hrs): 12.10
         Flow Max (cfs): 82.25
     Runoff Volume (in): 7.160
    Runoff Volume (ft3): 538286


--------------------------------------------------------------------------------

             Basin Name: Post-7
             Group Name: CORE
             Simulation: 100yr24hr
              Node Name: Lake-7
             Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 2.00
    Comp Time Inc (min): 2.00
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 15.00
       Time Shift (hrs): 0.00
              Area (ac): 20.710
   Vol of Unit Hyd (in): 1.000
           Curve Number: 93.000
               DCIA (%): 0.000

         Time Max (hrs): 12.10
         Flow Max (cfs): 103.85
     Runoff Volume (in): 9.147
    Runoff Volume (ft3): 687656


--------------------------------------------------------------------------------

             Basin Name: Post-8
             Group Name: CORE
             Simulation: 025yr24hr
              Node Name: CORE Lake-8
             Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 1.33
    Comp Time Inc (min): 1.33
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 10.00
       Time Shift (hrs): 0.00
              Area (ac): 2.350
   Vol of Unit Hyd (in): 1.000
           Curve Number: 93.000
               DCIA (%): 0.000

         Time Max (hrs): 12.04
         Flow Max (cfs): 10.97
     Runoff Volume (in): 7.160
    Runoff Volume (ft3): 61080


--------------------------------------------------------------------------------
```


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```
            Basin Name: Post-8
            Group Name: CORE
            Simulation: 100yr24hr
             Node Name: CORE Lake-8
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 1.33
    Comp Time Inc (min): 1.33
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 10.00
       Time Shift (hrs): 0.00
              Area (ac): 2.350
   Vol of Unit Hyd (in): 1.000
           Curve Number: 93.000
               DCIA (%): 0.000

         Time Max (hrs): 12.04
         Flow Max (cfs): 13.84
     Runoff Volume (in): 9.147
    Runoff Volume (ft3): 78030


--------------------------------------------------------------------------------

            Basin Name: Post-9
            Group Name: CORE
            Simulation: 025yr24hr
             Node Name: CORE Lake-9
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 2.00
    Comp Time Inc (min): 2.00
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 15.00
       Time Shift (hrs): 0.00
              Area (ac): 6.780
   Vol of Unit Hyd (in): 1.000
           Curve Number: 93.000
               DCIA (%): 0.000

         Time Max (hrs): 12.10
         Flow Max (cfs): 26.93
     Runoff Volume (in): 7.160
    Runoff Volume (ft3): 176223


--------------------------------------------------------------------------------

            Basin Name: Post-9
            Group Name: CORE
            Simulation: 100yr24hr
             Node Name: CORE Lake-9
            Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 2.00
    Comp Time Inc (min): 2.00
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 15.00
       Time Shift (hrs): 0.00
              Area (ac): 6.780
   Vol of Unit Hyd (in): 1.000
           Curve Number: 93.000
```


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```
              DCIA (%): 0.000

         Time Max (hrs): 12.10
         Flow Max (cfs): 34.00
     Runoff Volume (in): 9.147
    Runoff Volume (ft3): 225124


--------------------------------------------------------------------------------

             Basin Name: S_HH00010
             Group Name: CORE
             Simulation: 025yr24hr
              Node Name: N_HH00010
             Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 4.31
    Comp Time Inc (min): 4.31
          Rainfall File: Flmod
   Rainfall Amount (in): 8.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 32.32
       Time Shift (hrs): 0.00
               Area (ac): 8.810
   Vol of Unit Hyd (in): 1.000
           Curve Number: 89.990
                DCIA (%): 3.970

         Time Max (hrs): 12.28
         Flow Max (cfs): 23.28
     Runoff Volume (in): 6.845
    Runoff Volume (ft3): 218894


--------------------------------------------------------------------------------

             Basin Name: S_HH00010
             Group Name: CORE
             Simulation: 100yr24hr
              Node Name: N_HH00010
             Basin Type: SCS Unit Hydrograph

        Unit Hydrograph: Uh256
          Peaking Fator: 256.0
    Spec Time Inc (min): 4.31
    Comp Time Inc (min): 4.31
          Rainfall File: Flmod
   Rainfall Amount (in): 10.000
   Storm Duration (hrs): 24.00
                 Status: Onsite
     Time of Conc (min): 32.32
       Time Shift (hrs): 0.00
               Area (ac): 8.810
   Vol of Unit Hyd (in): 1.000
           Curve Number: 89.990
                DCIA (%): 3.970

         Time Max (hrs): 12.28
         Flow Max (cfs): 29.67
     Runoff Volume (in): 8.819
    Runoff Volume (ft3): 282041
```


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5. PROPOSED CONDITIONS MODEL (PCM)

5A. PCM BASIN MAP

5B. PCM HYDROLOGY CALCULATIONS

5C. PCM NODE/LINK MAP

5D. PCM ICPR INPUT REPORT

5E. PCM ICPR BASIN SUMMARY

5F. PCM ICPR NODE MAXIMUM CONDITIONS REPORT

5G. PCM ICPR LINK MAXIMUM CONDITIONS REPORT

5H. POST-DEVELOPED DISCHARGE RATE / PRE-POST COMPARISON

5I. WETLAND NW-W22 RECM-PCM HYDROPERIOD ANALYSIS

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	Max Outflow cfs
100-10	Tavistock	100yr24hr	12.11	35.27	0.00	-0.0025	127	12.08	16.11	12.09	16.02
100-10	Tavistock	10yr24hr	12.17	34.02	0.00	-0.0026	127	12.03	10.93	12.03	10.87
100-10	Tavistock	2.33yr24hr	12.36	33.30	0.00	-0.0025	127	12.05	6.90	12.06	6.86
100-10	Tavistock	25yr24hr	12.11	34.36	0.00	0.0017	127	12.03	12.53	12.04	12.47
100-11	Tavistock	100yr24hr	12.11	35.30	0.00	-0.0014	114	12.00	1.81	12.08	1.70
100-11	Tavistock	10yr24hr	12.16	34.03	0.00	-0.0013	114	12.00	1.26	12.04	1.16
100-11	Tavistock	2.33yr24hr	12.36	33.30	0.00	-0.0013	114	12.00	0.79	12.05	0.75
100-11	Tavistock	25yr24hr	12.11	34.38	0.00	-0.0007	114	12.00	1.44	12.05	1.33
100-12	Tavistock	100yr24hr	12.10	36.01	0.00	0.0016	125	12.08	13.71	12.09	13.62
100-12	Tavistock	10yr24hr	12.07	34.34	0.00	0.0016	125	12.02	9.31	12.03	9.23
100-12	Tavistock	2.33yr24hr	12.11	33.38	0.00	0.0016	125	12.05	5.85	12.05	5.81
100-12	Tavistock	25yr24hr	12.07	34.79	0.00	0.0016	125	12.02	10.69	12.03	10.60
100-13	Tavistock	100yr24hr	12.10	36.77	0.00	0.0017	120	12.05	13.82	12.08	13.71
100-13	Tavistock	10yr24hr	12.05	34.68	0.00	-0.0014	120	12.01	9.44	12.02	9.31
100-13	Tavistock	2.33yr24hr	12.10	33.52	0.00	-0.0014	120	12.03	5.89	12.05	5.85
100-13	Tavistock	25yr24hr	12.05	35.25	0.00	0.0017	120	12.01	10.85	12.02	10.69
100-14	Tavistock	100yr24hr	12.09	37.54	0.00	0.0021	114	12.00	9.94	12.07	9.72
100-14	Tavistock	10yr24hr	12.04	35.03	0.00	0.0013	114	12.00	6.83	12.01	6.62
100-14	Tavistock	2.33yr24hr	12.09	33.65	0.00	0.0013	114	12.00	4.20	12.04	4.15
100-14	Tavistock	25yr24hr	12.05	35.71	0.00	0.0014	114	12.00	7.87	12.01	7.61
100-2	Tavistock	100yr24hr	12.10	35.57	0.00	-0.0074	142	12.08	34.23	12.08	34.14
100-2	Tavistock	10yr24hr	12.09	34.17	0.00	-0.0072	142	12.02	23.64	12.03	23.58
100-2	Tavistock	2.33yr24hr	12.12	33.38	0.00	-0.0071	142	12.05	16.19	12.05	16.19
100-2	Tavistock	25yr24hr	12.08	34.55	0.00	-0.0053	142	12.03	26.87	12.03	26.79
100-3	Tavistock	100yr24hr	12.09	36.08	0.00	0.0022	119	12.00	5.23	12.07	5.07
100-3	Tavistock	10yr24hr	12.06	34.40	0.00	0.0018	119	12.00	3.59	12.02	3.46
100-3	Tavistock	2.33yr24hr	12.10	33.47	0.00	-0.0010	119	12.00	2.21	12.05	2.16
100-3	Tavistock	25yr24hr	12.06	34.85	0.00	0.0023	119	12.00	4.14	12.02	3.97
100-4	Tavistock	100yr24hr	12.10	35.91	0.00	0.0141	138	12.08	20.73	12.09	20.59
100-4	Tavistock	10yr24hr	12.07	34.33	0.00	-0.0074	138	12.03	14.57	12.04	14.30
100-4	Tavistock	2.33yr24hr	12.11	33.46	0.00	-0.0104	138	12.05	10.94	12.05	10.22
100-4	Tavistock	25yr24hr	12.07	34.76	0.00	0.0144	138	12.04	16.08	12.04	16.18
100-5	Tavistock	100yr24hr	12.10	35.99	0.00	0.0098	123	12.00	0.80	1.41	16.38
100-5	Tavistock	10yr24hr	12.07	34.37	0.00	0.0182	123	12.00	0.55	1.91	16.38
100-5	Tavistock	2.33yr24hr	12.10	33.49	0.00	0.0098	123	12.00	0.34	2.86	16.38
100-5	Tavistock	25yr24hr	12.07	34.81	0.00	-0.0117	123	12.00	0.64	13.98	2.35
100-6	Tavistock	100yr24hr	12.10	35.93	0.00	-0.0022	116	12.00	1.05	12.70	1.18
100-6	Tavistock	10yr24hr	12.07	34.34	0.00	-0.0024	116	12.00	0.73	12.63	1.16
100-6	Tavistock	2.33yr24hr	12.11	33.46	0.00	0.0016	116	12.00	0.46	12.77	1.07
100-6	Tavistock	25yr24hr	12.07	34.77	0.00	0.0018	116	12.00	0.84	12.07	0.77
100-8	Tavistock	100yr24hr	12.58	34.40	0.00	-0.0108	124	12.08	19.46	12.08	19.38
100-8	Tavistock	10yr24hr	12.55	33.77	0.00	-0.0108	124	12.03	13.19	12.03	13.13
100-8	Tavistock	2.33yr24hr	12.63	33.26	0.00	-0.0108	124	12.05	8.32	12.05	8.28
100-8	Tavistock	25yr24hr	12.56	33.98	0.00	-0.0025	124	12.03	15.13	12.03	15.07
100-9	Tavistock	100yr24hr	12.55	34.42	0.00	-0.0028	114	12.00	3.56	12.01	3.46
100-9	Tavistock	10yr24hr	12.54	33.78	0.00	-0.0028	114	12.00	2.45	12.00	2.38
100-9	Tavistock	2.33yr24hr	12.62	33.26	0.00	-0.0028	114	12.00	1.51	12.02	1.47
100-9	Tavistock	25yr24hr	12.54	33.99	0.00	-0.0015	114	12.00	2.82	12.00	2.73
9-10	Tavistock	100yr24hr	12.13	34.92	0.00	-0.0209	129	12.09	40.29	12.09	40.20
9-10	Tavistock	10yr24hr	12.18	33.92	0.00	-0.0209	129	12.03	27.27	12.03	27.22
9-10	Tavistock	2.33yr24hr	12.20	33.33	0.00	-0.0262	129	11.78	22.12	12.08	16.26
9-10	Tavistock	25yr24hr	12.17	34.19	0.00	0.0150	129	12.04	31.38	12.04	31.31
9-11	Tavistock	100yr24hr	12.12	35.22	0.00	0.0210	127	12.08	40.38	12.09	40.29
9-11	Tavistock	10yr24hr	12.12	34.04	0.00	0.0210	127	12.03	27.33	12.03	27.27

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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	Max Outflow cfs
9-11	Tavistock	2.33yr24hr	12.13	33.37	0.00	0.0210	127	12.08	16.28	11.78	22.12
9-11	Tavistock	25yr24hr	12.12	34.36	0.00	-0.0282	127	12.03	31.45	12.04	31.38
9-12	Tavistock	100yr24hr	12.11	35.50	0.00	-0.0236	129	12.07	31.49	12.08	31.38
9-12	Tavistock	10yr24hr	12.09	34.15	0.00	-0.0236	129	12.02	21.33	12.02	21.24
9-12	Tavistock	2.33yr24hr	12.12	33.41	0.00	-0.0236	129	11.82	16.32	12.08	12.40
9-12	Tavistock	25yr24hr	12.09	34.52	0.00	-0.0140	129	12.02	24.57	12.03	24.49
9-13	Tavistock	100yr24hr	12.10	35.76	0.00	-0.0182	132	12.07	30.25	12.08	30.18
9-13	Tavistock	10yr24hr	12.08	34.27	0.00	0.0194	132	12.02	20.38	12.02	20.44
9-13	Tavistock	2.33yr24hr	12.11	33.45	0.00	-0.0198	132	12.08	10.82	12.58	15.99
9-13	Tavistock	25yr24hr	12.08	34.67	0.00	-0.0177	132	12.02	23.75	12.02	23.55
9-14	Tavistock	100yr24hr	12.10	35.98	0.00	0.0177	144	12.06	27.30	12.07	26.40
9-14	Tavistock	10yr24hr	12.07	34.36	0.00	-0.0168	144	12.01	19.56	12.02	17.72
9-14	Tavistock	2.33yr24hr	12.10	33.48	0.00	-0.0168	144	12.00	16.64	12.08	9.12
9-14	Tavistock	25yr24hr	12.07	34.80	0.00	-0.0183	144	12.02	19.55	12.02	20.71
9-15	Tavistock	100yr24hr	12.10	36.04	0.00	0.0091	145	14.56	14.95	13.24	12.53
9-15	Tavistock	10yr24hr	12.07	34.40	0.00	0.0170	145	12.93	9.36	13.83	12.07
9-15	Tavistock	2.33yr24hr	12.10	33.52	0.00	0.0091	145	1.52	0.00	13.12	12.14
9-15	Tavistock	25yr24hr	12.07	34.82	0.00	-0.0138	145	12.00	15.92	13.00	10.64
9-16	Tavistock	100yr24hr	12.10	36.03	0.00	-0.0196	137	12.70	14.38	14.60	13.29
9-16	Tavistock	10yr24hr	12.07	34.39	0.00	-0.0124	137	12.71	15.41	13.03	8.28
9-16	Tavistock	2.33yr24hr	12.10	33.49	0.00	-0.0196	137	13.17	15.28	0.00	0.00
9-16	Tavistock	25yr24hr	12.07	34.84	0.00	0.0176	137	13.12	11.71	14.10	13.38
9-18	Tavistock	100yr24hr	12.27	34.56	0.00	-0.0186	133	12.11	23.10	12.11	23.01
9-18	Tavistock	10yr24hr	12.25	33.78	0.00	-0.0186	133	12.07	16.03	12.08	15.98
9-18	Tavistock	2.33yr24hr	12.22	33.29	0.00	-0.0185	133	12.09	10.66	12.09	10.63
9-18	Tavistock	25yr24hr	12.27	34.01	0.00	-0.0039	133	12.08	18.18	12.08	18.12
9-19	Tavistock	100yr24hr	12.15	35.78	0.00	0.0061	134	12.10	23.19	12.11	23.10
9-19	Tavistock	10yr24hr	12.14	34.35	0.00	-0.0047	134	12.07	16.08	12.07	16.03
9-19	Tavistock	2.33yr24hr	12.13	33.54	0.00	-0.0039	134	12.09	10.70	12.09	10.66
9-19	Tavistock	25yr24hr	12.15	34.74	0.00	0.0053	134	12.07	18.24	12.08	18.18
9-20	Tavistock	100yr24hr	12.15	35.80	0.00	-0.0031	114	12.00	1.81	12.08	1.64
9-20	Tavistock	10yr24hr	12.14	34.36	0.00	-0.0031	114	12.00	1.26	12.04	1.13
9-20	Tavistock	2.33yr24hr	12.13	33.55	0.00	-0.0031	114	12.00	0.79	3.77	1.08
9-20	Tavistock	25yr24hr	12.15	34.76	0.00	-0.0019	114	12.00	1.44	12.05	1.28
9-21	Tavistock	100yr24hr	12.14	36.11	0.00	-0.0055	128	12.11	19.85	12.12	19.77
9-21	Tavistock	10yr24hr	12.13	34.51	0.00	-0.0047	128	12.07	13.76	12.08	13.72
9-21	Tavistock	2.33yr24hr	12.13	33.61	0.00	0.0035	128	12.09	9.16	12.09	9.13
9-21	Tavistock	25yr24hr	12.14	34.95	0.00	-0.0047	128	12.08	15.62	12.09	15.56
9-22	Tavistock	100yr24hr	12.12	36.75	0.00	0.0015	117	12.06	8.40	12.09	8.23
9-22	Tavistock	10yr24hr	12.10	34.80	0.00	0.0012	117	12.01	5.82	12.02	5.68
9-22	Tavistock	2.33yr24hr	12.11	33.74	0.00	-0.0011	117	12.04	3.74	12.08	3.69
9-22	Tavistock	25yr24hr	12.11	35.33	0.00	0.0012	117	12.01	6.65	12.02	6.48
9-23	Tavistock	100yr24hr	12.11	37.40	0.00	0.0019	115	12.00	8.68	12.06	8.40
9-23	Tavistock	10yr24hr	12.08	35.10	0.00	-0.0013	115	12.00	6.03	12.01	5.82
9-23	Tavistock	2.33yr24hr	12.10	33.87	0.00	-0.0012	115	12.00	3.81	12.04	3.74
9-23	Tavistock	25yr24hr	12.09	35.71	0.00	0.0013	115	12.00	6.92	12.01	6.65
9-24	Tavistock	100yr24hr	12.15	36.91	0.00	0.0016	137	12.13	11.88	12.15	11.85
9-24	Tavistock	10yr24hr	12.12	34.89	0.00	-0.0014	137	12.09	8.29	12.10	8.26
9-24	Tavistock	2.33yr24hr	12.12	33.79	0.00	-0.0014	137	12.09	5.52	12.11	5.50
9-24	Tavistock	25yr24hr	12.13	35.44	0.00	0.0016	137	12.10	9.40	12.11	9.36
9-25	Tavistock	100yr24hr	12.14	37.32	0.00	0.0017	128	12.08	8.71	12.09	8.48
9-25	Tavistock	10yr24hr	12.11	35.09	0.00	0.0013	128	12.01	5.99	12.05	5.84
9-25	Tavistock	2.33yr24hr	12.11	33.87	0.00	0.0013	128	12.08	3.93	12.08	3.88
9-25	Tavistock	25yr24hr	12.12	35.70	0.00	-0.0015	128	12.02	6.83	12.05	6.64

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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	Max Outflow cfs
9-26	Tavistock	100yr24hr	12.14	37.33	0.00	0.0017	114	12.00	1.46	12.16	1.30
9-26	Tavistock	10yr24hr	12.11	35.10	0.00	0.0010	114	12.00	1.01	12.11	0.90
9-26	Tavistock	2.33yr24hr	12.11	33.88	0.00	-0.0006	114	12.00	0.64	12.11	0.60
9-26	Tavistock	25yr24hr	12.12	35.71	0.00	0.0012	114	12.00	1.16	12.12	1.02
9-27	Tavistock	100yr24hr	12.13	37.71	0.00	0.0019	116	12.00	6.29	12.08	5.99
9-27	Tavistock	10yr24hr	12.10	35.27	0.00	0.0011	116	12.00	4.37	12.01	4.14
9-27	Tavistock	2.33yr24hr	12.11	33.95	0.00	-0.0006	116	12.00	2.77	12.08	2.69
9-27	Tavistock	25yr24hr	12.11	35.94	0.00	0.0014	116	12.00	5.01	12.01	4.72
9-28	Tavistock	100yr24hr	12.15	37.05	0.00	0.0038	121	12.18	3.66	12.19	3.74
9-28	Tavistock	10yr24hr	12.12	34.96	0.00	-0.0011	121	12.12	2.56	12.15	2.56
9-28	Tavistock	2.33yr24hr	12.12	33.82	0.00	0.0010	121	12.12	1.70	12.14	1.71
9-28	Tavistock	25yr24hr	12.13	35.54	0.00	-0.0021	121	12.13	2.90	12.16	2.91
9-29	Tavistock	100yr24hr	12.15	37.06	0.00	-0.0024	114	12.00	0.93	12.20	0.84
9-29	Tavistock	10yr24hr	12.12	34.97	0.00	0.0009	114	12.00	0.65	12.15	0.57
9-29	Tavistock	2.33yr24hr	12.12	33.82	0.00	-0.0005	114	12.00	0.41	12.14	0.38
9-29	Tavistock	25yr24hr	12.13	35.54	0.00	-0.0014	114	12.00	0.74	12.17	0.65
9-30	Tavistock	100yr24hr	12.15	37.12	0.00	0.0024	119	12.08	1.97	12.19	1.96
9-30	Tavistock	10yr24hr	12.12	35.00	0.00	0.0010	119	12.07	1.36	12.14	1.35
9-30	Tavistock	2.33yr24hr	12.12	33.83	0.00	-0.0007	119	12.08	0.92	12.14	0.90
9-30	Tavistock	25yr24hr	12.13	35.58	0.00	0.0015	119	12.08	1.55	12.16	1.53
9-31	Tavistock	100yr24hr	12.15	37.13	0.00	-0.0017	114	12.00	1.05	12.20	0.93
9-31	Tavistock	10yr24hr	12.12	35.00	0.00	0.0009	114	12.00	0.73	12.15	0.64
9-31	Tavistock	2.33yr24hr	12.12	33.83	0.00	-0.0005	114	12.00	0.46	12.14	0.43
9-31	Tavistock	25yr24hr	12.13	35.58	0.00	-0.0015	114	12.00	0.84	12.16	0.73
9-32	Tavistock	100yr24hr	12.12	35.43	0.00	-0.0044	124	12.10	8.21	12.11	8.17
9-32	Tavistock	10yr24hr	12.10	34.13	0.00	-0.0044	124	12.05	5.58	12.06	5.55
9-32	Tavistock	2.33yr24hr	12.12	33.41	0.00	-0.0044	124	12.08	3.54	12.09	3.51
9-32	Tavistock	25yr24hr	12.10	34.48	0.00	0.0039	124	12.05	6.39	12.06	6.36
9-33	Tavistock	100yr24hr	12.11	35.75	0.00	0.0019	128	12.08	8.31	12.10	8.21
9-33	Tavistock	10yr24hr	12.09	34.27	0.00	0.0019	128	12.04	5.63	12.05	5.58
9-33	Tavistock	2.33yr24hr	12.11	33.47	0.00	0.0019	128	12.08	3.53	12.08	3.54
9-33	Tavistock	25yr24hr	12.09	34.67	0.00	-0.0019	128	12.00	6.48	12.05	6.39
9-34	Tavistock	100yr24hr	12.10	36.17	0.00	0.0014	114	12.00	7.52	12.07	7.33
9-34	Tavistock	10yr24hr	12.07	34.46	0.00	0.0008	114	12.00	5.17	12.00	5.01
9-34	Tavistock	2.33yr24hr	12.10	33.54	0.00	0.0007	114	12.00	3.18	12.05	3.13
9-34	Tavistock	25yr24hr	12.07	34.92	0.00	0.0010	114	12.00	5.96	12.00	5.76
9-35	Tavistock	100yr24hr	12.12	35.75	0.00	-0.0021	121	12.84	0.72	12.17	0.69
9-35	Tavistock	10yr24hr	12.09	34.27	0.00	0.0008	121	13.04	0.58	12.13	0.37
9-35	Tavistock	2.33yr24hr	12.11	33.47	0.00	0.0008	121	12.00	0.47	12.54	0.32
9-35	Tavistock	25yr24hr	12.09	34.67	0.00	-0.0013	121	12.11	0.42	12.15	0.44
9-36	Tavistock	100yr24hr	12.12	35.75	0.00	-0.0017	114	12.00	0.34	12.84	0.68
9-36	Tavistock	10yr24hr	12.09	34.27	0.00	0.0007	114	12.00	0.24	13.07	0.56
9-36	Tavistock	2.33yr24hr	12.11	33.47	0.00	0.0008	114	12.00	0.15	3.78	0.41
9-36	Tavistock	25yr24hr	12.09	34.67	0.00	0.0008	114	12.00	0.27	12.14	0.26
9-37	Tavistock	100yr24hr	12.09	36.54	0.00	0.0029	116	12.00	6.83	12.07	6.66
9-37	Tavistock	10yr24hr	12.05	34.62	0.00	0.0030	116	12.00	4.70	12.01	4.55
9-37	Tavistock	2.33yr24hr	12.10	33.58	0.00	0.0030	116	12.00	2.89	12.05	2.93
9-37	Tavistock	25yr24hr	12.06	35.13	0.00	0.0027	116	12.00	5.41	12.02	5.20
9-38	Tavistock	100yr24hr	12.10	36.05	0.00	0.0027	119	12.00	1.05	14.51	1.11
9-38	Tavistock	10yr24hr	12.07	34.40	0.00	-0.0020	119	12.00	0.73	12.06	0.36
9-38	Tavistock	2.33yr24hr	12.10	33.51	0.00	-0.0022	119	12.00	0.46	12.54	0.16
9-38	Tavistock	25yr24hr	12.07	34.84	0.00	0.0026	119	12.00	0.84	11.56	1.33
9-39	Tavistock	100yr24hr	12.10	36.32	0.00	0.0043	133	12.08	12.12	12.10	12.18
9-39	Tavistock	10yr24hr	12.06	34.52	0.00	0.0049	133	12.03	8.21	12.04	8.44

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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	Max Outflow cfs
9-39	Tavistock	2.33yr24hr	12.10	33.55	0.00	0.0043	133	12.07	5.12	12.09	5.78
9-39	Tavistock	25yr24hr	12.06	35.00	0.00	-0.0044	133	12.03	9.44	12.04	9.17
9-40	Tavistock	100yr24hr	12.10	36.34	0.00	0.0019	121	12.15	0.99	12.17	1.15
9-40	Tavistock	10yr24hr	12.06	34.53	0.00	-0.0009	121	12.08	0.63	12.10	0.64
9-40	Tavistock	2.33yr24hr	12.10	33.56	0.00	-0.0007	121	11.93	0.51	12.54	0.43
9-40	Tavistock	25yr24hr	12.06	35.01	0.00	0.0017	121	12.09	0.73	12.12	0.77
9-41	Tavistock	100yr24hr	12.10	36.34	0.00	0.0015	115	12.00	0.46	13.08	0.57
9-41	Tavistock	10yr24hr	12.06	34.53	0.00	-0.0008	115	12.00	0.32	13.07	0.46
9-41	Tavistock	2.33yr24hr	12.10	33.56	0.00	-0.0008	115	12.00	0.19	12.65	0.38
9-41	Tavistock	25yr24hr	12.07	35.02	0.00	0.0010	115	12.00	0.36	13.00	0.47
9-42	Tavistock	100yr24hr	12.10	36.65	0.00	0.0022	115	12.00	5.97	12.08	5.80
9-42	Tavistock	10yr24hr	12.06	34.67	0.00	0.0016	115	12.00	4.10	12.02	3.94
9-42	Tavistock	2.33yr24hr	12.10	33.61	0.00	-0.0008	115	12.00	2.53	12.06	2.47
9-42	Tavistock	25yr24hr	12.06	35.20	0.00	0.0026	115	12.00	4.73	12.02	4.52
9-43	Tavistock	100yr24hr	12.26	34.49	0.00	0.0019	114	12.00	1.81	14.47	1.85
9-43	Tavistock	10yr24hr	12.26	33.75	0.00	0.0019	114	12.00	1.26	12.00	1.18
9-43	Tavistock	2.33yr24hr	12.24	33.27	0.00	-0.0029	114	12.00	0.79	12.07	0.75
9-43	Tavistock	25yr24hr	12.27	33.98	0.00	0.0028	114	12.00	1.44	11.34	1.86
9-9	Tavistock	100yr24hr	12.26	34.48	0.00	0.0184	131	12.08	42.86	12.09	42.76
9-9	Tavistock	10yr24hr	12.26	33.75	0.00	0.0184	131	12.03	29.05	12.03	28.99
9-9	Tavistock	2.33yr24hr	12.25	33.27	0.00	0.0184	131	12.08	17.44	12.08	17.41
9-9	Tavistock	25yr24hr	12.27	33.97	0.00	-0.0245	131	12.04	33.40	12.04	33.33
BB-1	CORE	100yr24hr	17.90	32.55	0.00	0.0186	1848	12.75	46.68	12.52	33.29
BB-1	CORE	10yr24hr	18.52	31.86	0.00	0.0186	907	12.92	29.40	12.60	20.93
BB-1	CORE	2.33yr24hr	22.73	31.12	0.00	0.0186	1138	14.76	15.10	13.87	11.48
BB-1	CORE	25yr24hr	17.83	32.09	0.00	0.0186	1618	13.08	36.32	13.13	29.58
BB-9	CORE	100yr24hr	12.37	33.29	0.00	*********	113	25.12	3.79	0.00	0.00
BB-9	CORE	10yr24hr	12.32	32.70	0.00	*********	113	11.96	0.09	0.00	0.00
BB-9	CORE	2.33yr24hr	12.28	32.19	0.00	*********	113	12.00	0.06	0.00	0.00
BB-9	CORE	25yr24hr	12.34	32.90	0.00	*********	113	11.91	0.10	0.00	0.00
BOX 1-IN tw	CORE	100yr24hr	17.42	32.73	33.04	0.0003	1300	0.00	0.00	18.92	235.70
BOX 1-IN tw	CORE	10yr24hr	17.00	32.18	33.04	0.0002	1300	0.00	0.00	19.00	172.60
BOX 1-IN tw	CORE	2.33yr24hr	14.50	31.53	33.04	0.0001	1300	0.00	0.00	18.50	93.91
BOX 1-IN tw	CORE	25yr24hr	17.25	32.36	33.04	0.0002	1300	0.00	0.00	18.75	194.17
BOX 1-OUT	CORE	100yr24hr	17.50	32.61	33.04	-0.0017	9295	18.33	276.41	18.33	276.43
BOX 1-OUT	CORE	10yr24hr	17.03	32.07	33.04	-0.0016	8615	18.50	216.33	18.50	216.34
BOX 1-OUT	CORE	2.33yr24hr	14.54	31.45	33.04	-0.0016	7757	14.00	148.66	14.50	148.27
BOX 1-OUT	CORE	25yr24hr	17.28	32.24	33.04	-0.0016	8841	18.75	236.74	18.75	236.76
BOX 2-IN	CORE	100yr24hr	17.50	32.33	33.04	-0.0028	8595	18.33	276.56	18.33	276.59
BOX 2-IN	CORE	10yr24hr	17.05	31.75	33.04	-0.0029	7795	18.50	216.43	18.50	216.46
BOX 2-IN	CORE	2.33yr24hr	14.65	31.08	33.04	-0.0028	6868	14.50	148.38	14.51	148.29
BOX 2-IN	CORE	25yr24hr	17.30	31.93	33.04	-0.0028	8048	18.75	236.85	18.75	236.88
BOX 2-OUT	CORE	100yr24hr	17.50	32.27	33.04	0.0029	3891	18.33	276.59	18.33	276.60
BOX 2-OUT	CORE	10yr24hr	17.05	31.70	33.04	0.0031	3575	18.50	216.46	18.50	216.47
BOX 2-OUT	CORE	2.33yr24hr	14.66	31.04	33.04	0.0031	3207	14.51	148.29	14.51	148.26
BOX 2-OUT	CORE	25yr24hr	17.30	31.88	33.04	0.0031	3674	18.75	236.88	18.75	236.89
CORE Lake-8	CORE	100yr24hr	12.45	34.30	34.00	0.0004	26675	12.00	13.50	12.83	11.57
CORE Lake-8	CORE	10yr24hr	12.39	33.67	34.00	0.0002	24625	12.00	9.27	12.71	8.04
CORE Lake-8	CORE	2.33yr24hr	12.34	33.26	34.00	0.0002	23270	12.00	5.71	12.61	5.07
CORE Lake-8	CORE	25yr24hr	12.42	33.87	34.00	0.0003	25260	12.00	10.69	12.76	9.27
CORE Lake-9	CORE	100yr24hr	12.37	34.24	34.00	0.0004	40328	12.08	94.84	12.37	76.92
CORE Lake-9	CORE	10yr24hr	12.32	33.62	34.00	0.0002	38216	12.06	64.53	12.32	57.43
CORE Lake-9	CORE	2.33yr24hr	12.28	33.23	34.00	0.0002	36869	12.10	40.80	12.28	37.08
CORE Lake-9	CORE	25yr24hr	12.34	33.81	34.00	0.0003	38862	12.05	73.47	12.34	63.83

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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	Max Outflow cfs
CS-DOT Pond 7	CORE	100yr24hr	19.08	32.49	0.00	*********	113	12.21	0.05	0.00	0.00
CS-DOT Pond 7	CORE	10yr24hr	19.67	31.78	0.00	*********	113	12.55	0.03	0.00	0.00
CS-DOT Pond 7	CORE	2.33yr24hr	23.10	31.09	0.00	*********	113	12.64	0.01	0.00	0.00
CS-DOT Pond 7	CORE	25yr24hr	18.58	32.00	0.00	*********	113	12.40	0.04	0.00	0.00
DITCH 4	CORE	100yr24hr	17.50	32.19	34.04	-0.0034	7046	18.33	276.60	18.33	276.64
DITCH 4	CORE	10yr24hr	17.05	31.61	34.04	-0.0032	6364	18.50	216.47	18.50	216.49
DITCH 4	CORE	2.33yr24hr	14.67	30.94	34.04	-0.0033	5574	14.51	148.26	14.55	148.21
DITCH 4	CORE	25yr24hr	17.30	31.79	34.04	-0.0033	6576	18.75	236.89	18.75	236.91
DITCH 5	CORE	100yr24hr	16.99	32.11	34.04	-0.0028	10142	18.33	279.67	18.33	279.72
DITCH 5	CORE	10yr24hr	17.05	31.53	34.04	-0.0028	9185	18.50	218.51	18.50	218.55
DITCH 5	CORE	2.33yr24hr	14.68	30.86	34.04	-0.0028	8082	14.54	149.90	14.61	149.87
DITCH 5	CORE	25yr24hr	17.30	31.70	34.04	-0.0028	9478	18.75	239.22	18.75	239.26
DOT Pond 7	CORE	100yr24hr	13.68	32.89	32.74	0.0002	177782	12.33	88.49	13.17	36.26
DOT Pond 7	CORE	10yr24hr	13.60	32.30	32.74	0.0001	172386	12.25	60.03	13.29	24.82
DOT Pond 7	CORE	2.33yr24hr	13.80	31.82	32.74	0.0001	167946	12.33	36.62	13.80	13.44
DOT Pond 7	CORE	25yr24hr	13.66	32.50	32.74	0.0002	174237	12.25	69.44	13.20	28.22
L-100A	CORE	100yr24hr	12.56	33.94	34.00	0.0003	33218	12.17	50.47	12.32	40.15
L-100A	CORE	10yr24hr	12.45	33.49	34.00	0.0002	31866	12.25	34.04	12.45	30.48
L-100A	CORE	2.33yr24hr	12.53	33.15	34.00	0.0002	30861	12.17	20.42	12.53	17.61
L-100A	CORE	25yr24hr	12.45	33.60	34.00	0.0002	32209	12.25	39.22	12.41	35.21
L-100B	CORE	100yr24hr	12.66	34.36	34.00	0.0003	76169	12.08	53.52	12.82	13.96
L-100B	CORE	10yr24hr	12.60	33.75	34.00	0.0002	73593	12.03	36.71	12.72	11.38
L-100B	CORE	2.33yr24hr	12.66	33.25	34.00	0.0002	71509	12.05	24.47	12.86	7.30
L-100B	CORE	25yr24hr	12.62	33.94	34.00	0.0003	74413	12.03	41.85	12.73	12.94
LAKE 1-arena	CORE	100yr24hr	16.02	38.85	39.00	0.0003	205335	12.00	129.28	16.02	5.92
LAKE 1-arena	CORE	10yr24hr	17.53	38.02	39.00	0.0002	199186	12.00	89.58	17.53	3.40
LAKE 1-arena	CORE	2.33yr24hr	20.02	37.29	39.00	0.0001	193819	12.00	56.18	20.02	1.62
LAKE 1-arena	CORE	25yr24hr	16.64	38.30	39.00	0.0003	201270	12.00	102.85	16.64	4.20
LAKE 3-PB tw	CORE	100yr24hr	13.08	34.21	34.04	0.0005	0	0.00	0.00	13.08	4.42
LAKE 3-PB tw	CORE	10yr24hr	13.25	33.06	34.04	0.0003	0	0.00	0.00	12.75	3.08
LAKE 3-PB tw	CORE	2.33yr24hr	13.25	32.04	34.04	0.0002	0	0.00	0.00	13.00	1.99
LAKE 3-PB tw	CORE	25yr24hr	13.25	33.47	34.04	0.0004	0	0.00	0.00	13.50	3.44
Lake 5	CORE	100yr24hr	13.15	35.99	36.60	0.0004	46277	12.00	55.86	12.15	21.33
Lake 5	CORE	10yr24hr	13.79	35.15	36.60	0.0003	43412	12.00	37.79	12.12	14.56
Lake 5	CORE	2.33yr24hr	14.59	34.38	36.60	0.0002	40791	12.00	22.53	12.10	9.27
Lake 5	CORE	25yr24hr	13.66	35.45	36.60	0.0003	44418	12.00	43.84	12.13	16.69
Lake 6	CORE	100yr24hr	13.29	35.95	36.60	0.0003	32696	12.15	21.33	13.26	6.56
Lake 6	CORE	10yr24hr	13.85	35.14	36.60	0.0002	30548	12.12	14.56	13.85	3.27
Lake 6	CORE	2.33yr24hr	14.61	34.38	36.60	0.0002	28529	12.10	9.27	14.61	1.59
Lake 6	CORE	25yr24hr	13.72	35.43	36.60	0.0003	31318	12.13	16.69	13.72	4.02
Lake-7	CORE	100yr24hr	12.59	35.65	35.30	0.0003	116073	12.08	103.83	12.52	54.60
Lake-7	CORE	10yr24hr	12.59	35.17	35.30	0.0002	112706	12.00	66.34	12.59	37.71
Lake-7	CORE	2.33yr24hr	12.70	34.74	35.30	0.0002	109706	12.08	43.95	12.70	19.81
Lake-7	CORE	25yr24hr	12.57	35.31	35.30	0.0002	113751	12.00	76.52	12.57	44.80
MH-1-PB-tw	CORE	100yr24hr	19.17	32.96	34.04	-0.0014	15	0.00	0.00	14.67	42.15
MH-1-PB-tw	CORE	10yr24hr	19.50	32.59	34.04	-0.0006	15	0.00	0.00	15.25	45.86
MH-1-PB-tw	CORE	2.33yr24hr	19.00	32.11	34.04	-0.0006	15	0.00	0.00	15.15	49.26
MH-1-PB-tw	CORE	25yr24hr	19.25	32.71	34.04	-0.0006	15	0.00	0.00	14.70	44.81
N-W22	CORE	100yr24hr	18.89	31.92	0.00	0.0087	145	25.93	24.13	23.67	24.71
N-W22	CORE	10yr24hr	19.68	31.23	0.00	-0.0048	299	21.05	17.78	21.05	17.78
N-W22	CORE	2.33yr24hr	23.13	30.79	0.00	0.0086	344	23.44	10.00	64.93	21.68
N-W22	CORE	25yr24hr	19.51	31.35	0.00	-0.0048	280	18.34	20.45	18.34	20.45
N05-BR	CORE	100yr24hr	12.98	33.12	0.00	-0.0059	1408	12.52	37.01	12.75	46.68
N05-BR	CORE	10yr24hr	13.17	32.86	0.00	-0.0046	1153	12.60	21.53	12.92	29.40

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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	Max Outflow cfs
N05-BR	CORE	2.33yr24hr	14.78	32.54	0.00	-0.0015	943	13.85	11.48	14.76	15.10
N05-BR	CORE	25yr24hr	13.05	32.95	0.00	-0.0055	1238	13.09	30.12	13.08	36.32
N15-BR	CORE	100yr24hr	13.00	33.29	0.00	-0.1300	126	0.00	0.00	1.67	3.79
N15-BR	CORE	10yr24hr	13.02	33.26	0.00	-0.1300	126	0.00	0.00	4.00	3.85
N15-BR	CORE	2.33yr24hr	16.00	33.25	0.00	-0.1300	126	0.00	0.00	4.00	3.85
N15-BR	CORE	25yr24hr	13.01	33.27	0.00	-0.1300	126	0.00	0.00	4.00	3.85
N_HH00010	CORE	100yr24hr	18.89	31.88	0.00	-0.0007	102242	12.59	31.99	25.48	27.13
N_HH00010	CORE	10yr24hr	19.68	31.21	0.00	-0.0007	68906	12.79	22.56	20.46	19.01
N_HH00010	CORE	2.33yr24hr	23.13	30.79	0.00	-0.0007	48660	64.93	21.68	23.13	10.49
N_HH00010	CORE	25yr24hr	19.52	31.32	0.00	-0.0007	75238	12.83	25.49	20.37	21.92
N_HH00012	CORE	100yr24hr	12.50	31.89	0.00	29.4100	0	0.00	29.41	12.50	23.57
N_HH00012	CORE	10yr24hr	12.73	31.53	0.00	29.4100	0	0.00	29.41	12.73	17.57
N_HH00012	CORE	2.33yr24hr	12.73	31.53	0.00	29.4100	0	0.00	29.41	12.73	17.57
N_HH00012	CORE	25yr24hr	12.73	31.53	0.00	29.4100	0	0.00	29.41	12.73	17.57
N_HH00015	CORE	100yr24hr	18.57	31.63	0.00	0.0005	140618	15.21	227.42	15.03	190.63
N_HH00015	CORE	10yr24hr	19.39	29.97	0.00	0.0004	94007	12.73	118.98	19.52	99.71
N_HH00015	CORE	2.33yr24hr	19.38	29.83	0.00	0.0003	89761	12.73	113.12	19.50	91.31
N_HH00015	CORE	25yr24hr	19.39	30.03	0.00	0.0004	95625	12.73	121.69	19.53	102.54
N_HH00020	CORE	100yr24hr	16.74	29.81	0.00	-0.4700	29	15.03	190.63	0.00	0.00
N_HH00020	CORE	10yr24hr	17.16	29.23	0.00	0.0200	29	19.52	99.71	0.00	0.00
N_HH00020	CORE	2.33yr24hr	17.16	29.23	0.00	0.0200	29	19.50	91.31	0.00	0.00
N_HH00020	CORE	25yr24hr	17.16	29.23	0.00	0.0200	29	19.53	102.54	0.00	0.00
N_HH02030	CORE	100yr24hr	18.56	31.67	0.00	0.0100	0	0.00	0.00	15.23	192.82
N_HH02030	CORE	10yr24hr	12.73	30.86	0.00	0.0001	0	0.00	0.00	12.73	91.29
N_HH02030	CORE	2.33yr24hr	12.73	30.86	0.00	0.0001	0	0.00	0.00	12.73	91.28
N_HH02030	CORE	25yr24hr	12.73	30.86	0.00	0.0001	0	0.00	0.00	12.73	91.29
N_HH03075	CORE	100yr24hr	16.72	31.64	34.04	0.0265	15189	13.21	287.58	13.23	286.99
N_HH03075	CORE	10yr24hr	17.03	31.14	34.04	0.0265	11812	17.16	222.47	17.19	222.55
N_HH03075	CORE	2.33yr24hr	16.90	30.60	34.04	0.0265	9603	14.11	156.97	14.13	156.53
N_HH03075	CORE	25yr24hr	17.28	31.28	34.04	0.0265	12422	13.12	245.45	13.15	245.44
N_HH03085	CORE	100yr24hr	16.40	30.16	30.00	2.6900	5582	13.23	286.99	0.00	0.00
N_HH03085	CORE	10yr24hr	16.90	29.61	30.00	2.6900	4852	17.19	222.55	0.00	0.00
N_HH03085	CORE	2.33yr24hr	16.90	29.61	30.00	2.6900	4560	14.13	156.53	0.00	0.00
N_HH03085	CORE	25yr24hr	16.90	29.61	30.00	2.6900	4940	13.15	245.44	0.00	0.00
N_HH09020	CORE	100yr24hr	13.30	33.05	36.00	0.0005	229142	13.46	23.36	13.76	26.91
N_HH09020	CORE	10yr24hr	13.45	32.88	36.00	0.0005	172562	14.56	11.92	14.28	15.24
N_HH09020	CORE	2.33yr24hr	14.00	32.64	36.00	0.0005	126554	12.25	7.37	17.35	5.80
N_HH09020	CORE	25yr24hr	13.21	32.94	36.00	0.0005	183943	13.82	15.43	13.89	17.76
N_HH09040	CORE	100yr24hr	13.01	32.72	0.00	-0.0022	13623	12.52	54.60	12.62	52.24
N_HH09040	CORE	10yr24hr	17.02	32.07	0.00	-0.0022	5184	12.59	37.71	12.63	37.68
N_HH09040	CORE	2.33yr24hr	14.02	31.48	0.00	-0.0022	1116	12.70	19.81	12.71	19.81
N_HH09040	CORE	25yr24hr	13.01	32.33	0.00	-0.0022	8238	12.57	44.80	12.59	43.92
N_WS07010	CORE	100yr24hr	16.70	30.06	30.10	0.0001	0	12.74	242.45	0.00	0.00
N_WS07010	CORE	10yr24hr	13.70	29.84	30.10	0.0000	0	12.75	139.73	0.00	0.00
N_WS07010	CORE	2.33yr24hr	13.70	29.84	30.10	0.0000	0	12.67	75.12	0.00	0.00
N_WS07010	CORE	25yr24hr	13.70	29.84	30.10	0.0000	0	12.75	172.08	0.00	0.00
NW-W22	CORE	100yr24hr	19.26	32.48	32.50	-0.0799	609289	12.17	68.98	26.23	24.01
NW-W22	CORE	10yr24hr	19.83	31.77	32.50	-0.0799	608516	12.60	40.33	24.00	13.00
NW-W22	CORE	2.33yr24hr	23.30	31.09	32.50	-0.0799	607773	12.17	16.49	27.14	8.41
NW-W22	CORE	25yr24hr	18.82	31.99	32.50	-0.0799	608757	12.40	50.87	24.00	14.45
NW-W23A W23B	CORE	100yr24hr	13.02	33.20	34.00	-0.0011	139414	12.33	36.39	12.52	22.46
NW-W23A W23B	CORE	10yr24hr	13.24	32.93	34.00	-0.0011	115398	12.50	25.48	14.13	18.20
NW-W23A W23B	CORE	2.33yr24hr	13.96	32.64	34.00	-0.0011	89028	12.83	12.10	13.96	9.78
NW-W23A W23B	CORE	25yr24hr	13.08	33.03	34.00	-0.0011	124232	12.50	30.56	13.09	23.56

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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	Max Outflow cfs
NW-W24	CORE	100yr24hr	12.32	33.25	33.04	0.0031	81063	12.17	28.91	12.21	27.67
NW-W24	CORE	10yr24hr	13.02	33.22	33.04	0.0031	79719	12.25	17.01	12.29	15.70
NW-W24	CORE	2.33yr24hr	13.08	33.22	33.04	0.0031	79286	12.17	8.43	12.29	7.23
NW-W24	CORE	25yr24hr	12.40	33.23	33.04	0.0031	79993	12.25	20.62	12.28	19.32
NW-W28A	CORE	100yr24hr	18.18	33.56	0.00	0.0002	140859	12.17	24.45	18.13	10.71
NW-W28A	CORE	10yr24hr	18.14	33.04	0.00	0.0001	125851	12.25	15.59	17.99	6.69
NW-W28A	CORE	2.33yr24hr	16.89	32.68	0.00	0.0000	121585	12.17	8.79	18.82	3.87
NW-W28A	CORE	25yr24hr	18.61	33.21	0.00	0.0001	127854	12.25	18.46	18.56	7.97
NW-W28B	CORE	100yr24hr	13.41	33.10	37.00	0.0001	68714	12.17	20.27	13.63	16.33
NW-W28B	CORE	10yr24hr	13.93	32.88	37.00	0.0001	51212	12.25	13.59	14.60	8.97
NW-W28B	CORE	2.33yr24hr	14.00	32.64	37.00	0.0001	38550	12.17	9.54	12.17	5.68
NW-W28B	CORE	25yr24hr	13.56	32.95	37.00	0.0001	56681	12.25	15.41	14.11	10.91
SR-70	CORE	100yr24hr	16.99	32.01	34.04	-0.0120	7089	13.19	287.83	13.21	287.58
SR-70	CORE	10yr24hr	17.04	31.43	34.04	-0.0120	6495	17.13	222.44	17.16	222.47
SR-70	CORE	2.33yr24hr	16.91	30.77	34.04	-0.0120	5816	14.09	157.22	14.11	156.97
SR-70	CORE	25yr24hr	17.30	31.61	34.04	-0.0120	6675	13.07	245.52	13.12	245.45
TailW W24	CORE	100yr24hr	15.00	34.66	0.00	0.0002	13	1.67	3.79	0.00	0.00
TailW W24	CORE	10yr24hr	16.00	34.38	0.00	-0.0200	13	4.00	3.85	0.00	0.00
TailW W24	CORE	2.33yr24hr	16.00	34.38	0.00	-0.0200	13	4.00	3.85	0.00	0.00
TailW W24	CORE	25yr24hr	16.00	34.38	0.00	-0.0200	13	4.00	3.85	0.00	0.00

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5. PROPOSED CONDITIONS MODEL (PCM)

5A. PCM BASIN MAP

5B. PCM HYDROLOGY CALCULATIONS

5C. PCM NODE/LINK MAP

5D. PCM ICPR INPUT REPORT

5E. PCM ICPR BASIN SUMMARY

5F. PCM ICPR NODE MAXIMUM CONDITIONS REPORT

5G. PCM ICPR LINK MAXIMUM CONDITIONS REPORT

5H. POST-DEVELOPED DISCHARGE RATE / PRE-POST COMPARISON

5I. WETLAND NW-W22 RECM-PCM HYDROPERIOD ANALYSIS

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
9-21	Tavistock	100yr24hr	12.12	19.77	2.547	12.14	36.11	12.15	35.78
9-21	Tavistock	10yr24hr	12.08	13.72	2.547	12.13	34.51	12.14	34.35
9-21	Tavistock	2.33yr24hr	12.09	9.13	2.547	12.13	33.61	12.13	33.54
9-21	Tavistock	25yr24hr	12.09	15.56	-1.980	12.14	34.95	12.15	34.74
BB-9	CORE	100yr24hr	27.98	3.70	6.407	19.26	32.48	12.37	33.29
BB-9	CORE	10yr24hr	0.00	0.00	-0.018	19.83	31.77	12.32	32.70
BB-9	CORE	2.33yr24hr	0.00	0.00	-0.012	23.30	31.09	12.28	32.19
BB-9	CORE	25yr24hr	0.00	0.00	-0.019	18.82	31.99	12.34	32.90
Box Culvert	CORE	100yr24hr	13.21	287.58	134.268	16.99	32.01	16.72	31.64
Box Culvert	CORE	10yr24hr	17.16	222.47	134.268	17.04	31.43	17.03	31.14
Box Culvert	CORE	2.33yr24hr	14.11	156.97	134.268	16.91	30.77	16.90	30.60
Box Culvert	CORE	25yr24hr	13.12	245.45	134.268	17.30	31.61	17.28	31.28
BOX CULVERT 1	CORE	100yr24hr	18.92	235.70	-0.053	17.42	32.73	17.50	32.61
BOX CULVERT 1	CORE	10yr24hr	19.00	172.60	0.037	17.00	32.18	17.03	32.07
BOX CULVERT 1	CORE	2.33yr24hr	18.50	93.91	0.038	14.50	31.53	14.54	31.45
BOX CULVERT 1	CORE	25yr24hr	18.75	194.17	-0.056	17.25	32.36	17.28	32.24
BOX CULVERT 2	CORE	100yr24hr	18.33	276.59	15.214	17.50	32.33	17.50	32.27
BOX CULVERT 2	CORE	10yr24hr	18.50	216.46	15.210	17.05	31.75	17.05	31.70
BOX CULVERT 2	CORE	2.33yr24hr	14.51	148.29	15.210	14.65	31.08	14.66	31.04
BOX CULVERT 2	CORE	25yr24hr	18.75	236.88	15.210	17.30	31.93	17.30	31.88
C05-BR	CORE	100yr24hr	12.75	46.68	-17.994	12.98	33.12	17.90	32.55
C05-BR	CORE	10yr24hr	12.92	29.40	-11.448	13.17	32.86	14.11	31.50
C05-BR	CORE	2.33yr24hr	14.76	15.10	-5.988	14.78	32.54	22.73	31.12
C05-BR	CORE	25yr24hr	13.08	36.32	13.815	13.05	32.95	17.83	32.09
C_HH00010	CORE	100yr24hr	25.48	27.13	0.004	18.89	31.88	18.57	31.63
C_HH00010	CORE	10yr24hr	20.46	19.01	0.004	19.68	31.21	19.39	29.97
C_HH00010	CORE	2.33yr24hr	23.13	10.49	-0.004	23.13	30.79	19.38	29.83
C_HH00010	CORE	25yr24hr	20.37	21.92	0.004	19.52	31.32	19.39	30.03
C_HH03075	CORE	100yr24hr	13.23	286.99	3.328	16.72	31.64	16.40	30.16
C_HH03075	CORE	10yr24hr	17.19	222.55	3.469	17.03	31.14	16.90	29.61
C_HH03075	CORE	2.33yr24hr	14.13	156.53	7.689	16.90	30.60	16.90	29.61
C_HH03075	CORE	25yr24hr	13.15	245.44	3.328	17.28	31.28	16.90	29.61
C_HH09010	CORE	100yr24hr	13.63	16.33	0.114	13.41	33.10	13.30	33.05
C_HH09010	CORE	10yr24hr	14.60	8.97	0.005	13.93	32.88	13.45	32.88
C_HH09010	CORE	2.33yr24hr	12.17	5.68	-0.320	14.00	32.64	14.00	32.64
C_HH09010	CORE	25yr24hr	14.11	10.91	0.007	13.56	32.95	13.21	32.94
C_HH09020	CORE	100yr24hr	28.39	6.96	-11.621	13.30	33.05	13.02	33.20
C_HH09020	CORE	10yr24hr	24.00	5.59	-11.621	13.45	32.88	13.24	32.93
C_HH09020	CORE	2.33yr24hr	20.80	4.40	-11.621	14.00	32.64	13.96	32.64
C_HH09020	CORE	25yr24hr	24.00	5.37	-11.621	13.21	32.94	13.08	33.03
CS-100A	CORE	100yr24hr	12.32	40.15	0.011	12.56	33.94	16.99	32.01
CS-100A	CORE	10yr24hr	12.45	30.48	0.007	12.45	33.49	17.04	31.43
CS-100A	CORE	2.33yr24hr	12.53	17.61	0.004	12.53	33.15	16.91	30.77
CS-100A	CORE	25yr24hr	12.41	35.21	0.008	12.45	33.60	17.30	31.61
CS-8	CORE	100yr24hr	12.83	11.57	0.025	12.45	34.30	12.37	34.24
CS-8	CORE	10yr24hr	12.71	8.04	0.008	12.39	33.67	12.32	33.62
CS-8	CORE	2.33yr24hr	12.61	5.07	0.008	12.34	33.26	12.28	33.23
CS-8	CORE	25yr24hr	12.76	9.27	-0.010	12.42	33.87	12.34	33.81
CS-9	CORE	100yr24hr	12.37	76.92	0.019	12.37	34.24	12.37	33.29
CS-9	CORE	10yr24hr	12.32	57.43	0.018	12.32	33.62	12.32	32.70
CS-9	CORE	2.33yr24hr	12.28	37.08	0.012	12.28	33.23	12.28	32.19
CS-9	CORE	25yr24hr	12.34	63.83	0.019	12.34	33.81	12.34	32.90
CS-arena 1	CORE	100yr24hr	16.02	5.92	0.001	16.02	38.85	18.18	33.56
CS-arena 1	CORE	10yr24hr	17.53	3.40	0.000	17.53	38.02	18.14	33.04

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
CS-arena 1	CORE	2.33yr24hr	20.02	1.62	0.000	20.02	37.29	16.89	32.68
CS-arena 1	CORE	25yr24hr	16.64	4.20	0.001	16.64	38.30	18.61	33.21
CS-Lake-7	CORE	100yr24hr	12.52	54.60	0.013	12.59	35.65	13.01	32.72
CS-Lake-7	CORE	10yr24hr	12.59	37.71	0.008	12.59	35.17	17.02	32.07
CS-Lake-7	CORE	2.33yr24hr	12.70	19.81	0.005	12.70	34.74	14.02	31.48
CS-Lake-7	CORE	25yr24hr	12.57	44.80	0.009	12.57	35.31	13.01	32.33
CS-Pond 7	CORE	100yr24hr	13.17	36.26	0.006	13.68	32.89	19.08	32.49
CS-Pond 7	CORE	10yr24hr	13.29	24.82	-0.005	13.60	32.30	19.67	31.78
CS-Pond 7	CORE	2.33yr24hr	13.80	13.44	0.002	13.80	31.82	23.10	31.09
CS-Pond 7	CORE	25yr24hr	13.20	28.22	0.004	13.66	32.50	18.58	32.00
CS-Pond 7-2	CORE	100yr24hr	0.00	0.00	-0.005	19.26	32.48	19.08	32.49
CS-Pond 7-2	CORE	10yr24hr	0.00	0.00	-0.003	19.83	31.77	19.67	31.78
CS-Pond 7-2	CORE	2.33yr24hr	0.00	0.00	-0.002	23.30	31.09	23.10	31.09
CS-Pond 7-2	CORE	25yr24hr	0.00	0.00	-0.004	18.82	31.99	18.58	32.00
CS-W22	CORE	100yr24hr	25.93	24.13	-0.246	19.26	32.48	18.89	31.92
CS-W22	CORE	10yr24hr	21.05	17.78	0.202	19.83	31.77	19.68	31.23
CS-W22	CORE	2.33yr24hr	23.44	10.00	-0.205	23.30	31.09	23.13	30.79
CS-W22	CORE	25yr24hr	18.34	20.45	0.211	18.82	31.99	19.51	31.35
D_HH00012a	CORE	100yr24hr	12.50	23.57	-0.005	12.50	31.89	18.57	31.63
D_HH00012a	CORE	10yr24hr	12.73	17.57	0.003	12.73	31.53	19.39	29.97
D_HH00012a	CORE	2.33yr24hr	12.73	17.57	0.002	12.73	31.53	19.38	29.83
D_HH00012a	CORE	25yr24hr	12.73	17.57	0.002	12.73	31.53	19.39	30.03
DITCH 2	CORE	100yr24hr	18.33	276.43	-13.558	17.50	32.61	17.50	32.33
DITCH 2	CORE	10yr24hr	18.50	216.34	-14.482	17.03	32.07	17.05	31.75
DITCH 2	CORE	2.33yr24hr	14.50	148.27	-14.429	14.54	31.45	14.65	31.08
DITCH 2	CORE	25yr24hr	18.75	236.76	-14.429	17.28	32.24	17.30	31.93
DITCH 3	CORE	100yr24hr	18.33	276.60	-12.332	17.50	32.27	17.50	32.19
DITCH 3	CORE	10yr24hr	18.50	216.47	-11.732	17.05	31.70	17.05	31.61
DITCH 3	CORE	2.33yr24hr	14.51	148.26	-12.010	14.66	31.04	14.67	30.94
DITCH 3	CORE	25yr24hr	18.75	236.89	-12.010	17.30	31.88	17.30	31.79
DITCH 4	CORE	100yr24hr	18.33	276.64	-12.584	17.50	32.19	16.99	32.11
DITCH 4	CORE	10yr24hr	18.50	216.49	-12.525	17.05	31.61	17.05	31.53
DITCH 4	CORE	2.33yr24hr	14.55	148.21	-12.745	14.67	30.94	14.68	30.86
DITCH 4	CORE	25yr24hr	18.75	236.91	-12.745	17.30	31.79	17.30	31.70
DITCH 5	CORE	100yr24hr	18.33	279.72	32.151	16.99	32.11	16.99	32.01
DITCH 5	CORE	10yr24hr	18.50	218.55	32.151	17.05	31.53	17.04	31.43
DITCH 5	CORE	2.33yr24hr	14.61	149.87	32.151	14.68	30.86	16.91	30.77
DITCH 5	CORE	25yr24hr	18.75	239.26	32.151	17.30	31.70	17.30	31.61
FDOT LAKE	CORE	100yr24hr	14.70	28.60	0.001	19.17	32.96	17.50	32.61
FDOT LAKE	CORE	10yr24hr	14.70	28.60	-0.000	19.50	32.59	17.03	32.07
FDOT LAKE	CORE	2.33yr24hr	14.70	28.60	-0.000	19.00	32.11	14.54	31.45
FDOT LAKE	CORE	25yr24hr	14.70	28.60	-0.000	19.25	32.71	17.28	32.24
Lake 3-D	CORE	100yr24hr	13.08	4.42	0.001	13.08	34.21	16.99	32.11
Lake 3-D	CORE	10yr24hr	12.75	3.08	-0.001	13.25	33.06	17.05	31.53
Lake 3-D	CORE	2.33yr24hr	13.00	1.99	-0.001	13.25	32.04	14.68	30.86
Lake 3-D	CORE	25yr24hr	13.50	3.44	0.000	13.25	33.47	17.30	31.70
Outfall-1	CORE	100yr24hr	23.50	23.16	-1.129	19.17	32.96	17.50	32.61
Outfall-1	CORE	10yr24hr	22.25	25.97	-0.760	19.50	32.59	17.03	32.07
Outfall-1	CORE	2.33yr24hr	21.00	29.62	-0.795	19.00	32.11	14.54	31.45
Outfall-1	CORE	25yr24hr	23.00	24.87	-0.795	19.25	32.71	17.28	32.24
P-100	CORE	100yr24hr	12.82	13.96	-0.135	12.66	34.36	12.56	33.94
P-100	CORE	10yr24hr	12.72	11.38	-0.136	12.60	33.75	12.45	33.49
P-100	CORE	2.33yr24hr	12.86	7.30	-0.135	12.66	33.25	12.53	33.15
P-100	CORE	25yr24hr	12.73	12.94	0.071	12.62	33.94	12.45	33.60

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
P-100 TAV	Tavistock	100yr24hr	13.24	10.18	-9.607	12.10	35.99	12.10	36.03
P-100 TAV	Tavistock	10yr24hr	13.72	11.22	5.983	12.07	34.37	12.07	34.39
P-100 TAV	Tavistock	2.33yr24hr	13.26	10.91	8.269	12.10	33.49	12.10	33.49
P-100 TAV	Tavistock	25yr24hr	13.12	8.77	-8.751	12.07	34.81	12.07	34.84
P-100-10	Tavistock	100yr24hr	12.09	16.02	1.989	12.11	35.27	12.58	34.40
P-100-10	Tavistock	10yr24hr	12.03	10.87	1.978	12.17	34.02	12.55	33.77
P-100-10	Tavistock	2.33yr24hr	12.06	6.86	1.969	12.36	33.30	12.63	33.26
P-100-10	Tavistock	25yr24hr	12.04	12.47	0.801	12.11	34.36	12.56	33.98
P-100-11	Tavistock	100yr24hr	12.08	1.70	0.660	12.11	35.30	12.11	35.27
P-100-11	Tavistock	10yr24hr	12.04	1.16	0.659	12.16	34.03	12.17	34.02
P-100-11	Tavistock	2.33yr24hr	12.05	0.75	0.660	12.36	33.30	12.36	33.30
P-100-11	Tavistock	25yr24hr	12.05	1.33	-0.403	12.11	34.38	12.11	34.36
P-100-12	Tavistock	100yr24hr	12.09	13.62	0.986	12.10	36.01	12.11	35.27
P-100-12	Tavistock	10yr24hr	12.03	9.23	0.984	12.07	34.34	12.17	34.02
P-100-12	Tavistock	2.33yr24hr	12.05	5.81	0.986	12.11	33.38	12.36	33.30
P-100-12	Tavistock	25yr24hr	12.03	10.60	-0.886	12.07	34.79	12.11	34.36
P-100-13	Tavistock	100yr24hr	12.08	13.71	-0.928	12.10	36.77	12.10	36.01
P-100-13	Tavistock	10yr24hr	12.02	9.31	-0.928	12.05	34.68	12.07	34.34
P-100-13	Tavistock	2.33yr24hr	12.05	5.85	-0.923	12.10	33.52	12.11	33.38
P-100-13	Tavistock	25yr24hr	12.02	10.69	-0.929	12.05	35.25	12.07	34.79
P-100-14	Tavistock	100yr24hr	12.07	9.72	0.517	12.09	37.54	12.10	36.77
P-100-14	Tavistock	10yr24hr	12.01	6.62	0.517	12.04	35.03	12.05	34.68
P-100-14	Tavistock	2.33yr24hr	12.04	4.15	0.517	12.09	33.65	12.10	33.52
P-100-14	Tavistock	25yr24hr	12.01	7.61	-0.678	12.05	35.71	12.05	35.25
P-100-2	Tavistock	100yr24hr	12.08	34.14	1.833	12.10	35.57	12.66	34.36
P-100-2	Tavistock	10yr24hr	12.03	23.58	1.627	12.09	34.17	12.60	33.75
P-100-2	Tavistock	2.33yr24hr	12.05	16.19	1.833	12.12	33.38	12.66	33.25
P-100-2	Tavistock	25yr24hr	12.03	26.79	-1.215	12.08	34.55	12.62	33.94
P-100-3	Tavistock	100yr24hr	12.07	5.07	-0.514	12.09	36.08	12.10	35.57
P-100-3	Tavistock	10yr24hr	12.02	3.46	-0.712	12.06	34.40	12.09	34.17
P-100-3	Tavistock	2.33yr24hr	12.05	2.16	-0.514	12.10	33.47	12.12	33.38
P-100-3	Tavistock	25yr24hr	12.02	3.97	0.367	12.06	34.85	12.08	34.55
P-100-4	Tavistock	100yr24hr	12.09	20.59	5.035	12.10	35.91	12.10	35.57
P-100-4	Tavistock	10yr24hr	12.04	14.30	-3.371	12.07	34.33	12.09	34.17
P-100-4	Tavistock	2.33yr24hr	12.05	10.22	-4.429	12.11	33.46	12.12	33.38
P-100-4	Tavistock	25yr24hr	12.04	16.18	5.118	12.07	34.76	12.08	34.55
P-100-5	Tavistock	100yr24hr	12.11	11.36	3.964	12.10	35.99	12.10	35.91
P-100-5	Tavistock	10yr24hr	12.05	8.08	7.478	12.07	34.37	12.07	34.33
P-100-5	Tavistock	2.33yr24hr	11.04	7.96	3.964	12.10	33.49	12.11	33.46
P-100-5	Tavistock	25yr24hr	12.05	8.72	-3.350	12.07	34.81	12.07	34.76
P-100-6	Tavistock	100yr24hr	12.70	1.18	-1.262	12.10	35.93	12.10	35.91
P-100-6	Tavistock	10yr24hr	12.63	1.16	0.678	12.07	34.34	12.07	34.33
P-100-6	Tavistock	2.33yr24hr	12.77	1.07	0.971	12.11	33.46	12.11	33.46
P-100-6	Tavistock	25yr24hr	12.07	0.77	-0.836	12.07	34.77	12.07	34.76
P-100-8	Tavistock	100yr24hr	12.08	19.38	2.059	12.58	34.40	12.66	34.36
P-100-8	Tavistock	10yr24hr	12.03	13.13	1.977	12.55	33.77	12.60	33.75
P-100-8	Tavistock	2.33yr24hr	12.05	8.28	2.059	12.63	33.26	12.66	33.25
P-100-8	Tavistock	25yr24hr	12.03	15.07	1.585	12.56	33.98	12.62	33.94
P-100-9	Tavistock	100yr24hr	12.01	3.46	1.551	12.55	34.42	12.58	34.40
P-100-9	Tavistock	10yr24hr	12.00	2.38	1.547	12.54	33.78	12.55	33.77
P-100-9	Tavistock	2.33yr24hr	12.02	1.47	1.545	12.62	33.26	12.63	33.26
P-100-9	Tavistock	25yr24hr	12.00	2.73	0.774	12.54	33.99	12.56	33.98
P-5	CORE	100yr24hr	12.15	21.33	0.116	13.15	35.99	13.29	35.95
P-5	CORE	10yr24hr	12.12	14.56	0.116	13.79	35.15	13.85	35.14

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
P-5	CORE	2.33yr24hr	12.10	9.27	0.115	14.59	34.38	14.61	34.38
P-5	CORE	25yr24hr	12.13	16.69	0.115	13.66	35.45	13.72	35.43
P-9-10	Tavistock	100yr24hr	12.09	40.20	-7.120	12.13	34.92	12.26	34.48
P-9-10	Tavistock	10yr24hr	12.03	27.22	-7.118	12.18	33.92	12.26	33.75
P-9-10	Tavistock	2.33yr24hr	12.08	16.26	-12.364	12.20	33.33	12.25	33.27
P-9-10	Tavistock	25yr24hr	12.04	31.31	6.840	12.17	34.19	12.27	33.97
P-9-11	Tavistock	100yr24hr	12.09	40.29	13.459	12.12	35.22	12.13	34.92
P-9-11	Tavistock	10yr24hr	12.03	27.27	13.460	12.12	34.04	12.18	33.92
P-9-11	Tavistock	2.33yr24hr	11.78	22.12	13.460	12.13	33.37	12.20	33.33
P-9-11	Tavistock	25yr24hr	12.04	31.38	-14.976	12.12	34.36	12.17	34.19
P-9-12	Tavistock	100yr24hr	12.08	31.38	7.823	12.11	35.50	12.12	35.22
P-9-12	Tavistock	10yr24hr	12.02	21.24	-7.414	12.09	34.15	12.12	34.04
P-9-12	Tavistock	2.33yr24hr	12.08	12.40	-8.926	12.12	33.41	12.13	33.37
P-9-12	Tavistock	25yr24hr	12.03	24.49	7.416	12.09	34.52	12.12	34.36
P-9-13	Tavistock	100yr24hr	12.08	30.18	11.210	12.10	35.76	12.11	35.50
P-9-13	Tavistock	10yr24hr	12.02	20.44	11.210	12.08	34.27	12.09	34.15
P-9-13	Tavistock	2.33yr24hr	12.58	15.99	11.210	12.11	33.45	12.12	33.41
P-9-13	Tavistock	25yr24hr	12.02	23.55	-9.756	12.08	34.67	12.09	34.52
P-9-14	Tavistock	100yr24hr	12.07	26.40	9.372	12.10	35.98	12.10	35.76
P-9-14	Tavistock	10yr24hr	12.02	17.72	-10.835	12.07	34.36	12.08	34.27
P-9-14	Tavistock	2.33yr24hr	12.08	9.12	10.927	12.10	33.48	12.11	33.45
P-9-14	Tavistock	25yr24hr	12.02	20.71	6.269	12.07	34.80	12.08	34.67
P-9-15	Tavistock	100yr24hr	13.24	12.53	8.154	12.10	36.04	12.10	35.98
P-9-15	Tavistock	10yr24hr	13.83	12.07	8.715	12.07	34.40	12.07	34.36
P-9-15	Tavistock	2.33yr24hr	13.12	12.14	8.154	12.10	33.52	12.10	33.48
P-9-15	Tavistock	25yr24hr	13.00	10.64	-7.022	12.07	34.82	12.07	34.80
P-9-16	Tavistock	100yr24hr	14.60	13.29	-5.566	12.10	36.03	12.10	36.04
P-9-16	Tavistock	10yr24hr	13.03	8.28	-10.057	12.07	34.39	12.07	34.40
P-9-16	Tavistock	2.33yr24hr	0.00	0.00	-5.566	12.10	33.49	12.10	33.52
P-9-16	Tavistock	25yr24hr	14.10	13.38	8.162	12.07	34.84	12.07	34.82
P-9-18	Tavistock	100yr24hr	12.11	23.01	-2.234	12.27	34.56	12.37	34.24
P-9-18	Tavistock	10yr24hr	12.08	15.98	-2.252	12.25	33.78	12.32	33.62
P-9-18	Tavistock	2.33yr24hr	12.09	10.63	-2.271	12.22	33.29	12.28	33.23
P-9-18	Tavistock	25yr24hr	12.08	18.12	-2.142	12.27	34.01	12.34	33.81
P-9-19	Tavistock	100yr24hr	12.11	23.10	3.840	12.15	35.78	12.27	34.56
P-9-19	Tavistock	10yr24hr	12.07	16.03	3.816	12.14	34.35	12.25	33.78
P-9-19	Tavistock	2.33yr24hr	12.09	10.66	3.788	12.13	33.54	12.22	33.29
P-9-19	Tavistock	25yr24hr	12.08	18.18	1.287	12.15	34.74	12.27	34.01
P-9-20	Tavistock	100yr24hr	12.08	1.64	0.897	12.15	35.80	12.15	35.78
P-9-20	Tavistock	10yr24hr	12.04	1.13	0.744	12.14	34.36	12.14	34.35
P-9-20	Tavistock	2.33yr24hr	3.77	1.08	0.744	12.13	33.55	12.13	33.54
P-9-20	Tavistock	25yr24hr	12.05	1.28	-0.625	12.15	34.76	12.15	34.74
P-9-22	Tavistock	100yr24hr	12.09	8.23	-0.951	12.12	36.75	12.14	36.11
P-9-22	Tavistock	10yr24hr	12.02	5.68	-0.948	12.10	34.80	12.13	34.51
P-9-22	Tavistock	2.33yr24hr	12.08	3.69	-0.539	12.11	33.74	12.13	33.61
P-9-22	Tavistock	25yr24hr	12.02	6.48	-0.957	12.11	35.33	12.14	34.95
P-9-23	Tavistock	100yr24hr	12.06	8.40	0.248	12.11	37.40	12.12	36.75
P-9-23	Tavistock	10yr24hr	12.01	5.82	0.202	12.08	35.10	12.10	34.80
P-9-23	Tavistock	2.33yr24hr	12.04	3.74	0.202	12.10	33.87	12.11	33.74
P-9-23	Tavistock	25yr24hr	12.01	6.65	0.277	12.09	35.71	12.11	35.33
P-9-24	Tavistock	100yr24hr	12.15	11.85	-1.329	12.15	36.91	12.14	36.11
P-9-24	Tavistock	10yr24hr	12.10	8.26	-1.322	12.12	34.89	12.13	34.51
P-9-24	Tavistock	2.33yr24hr	12.11	5.50	-0.778	12.12	33.79	12.13	33.61
P-9-24	Tavistock	25yr24hr	12.11	9.36	-1.363	12.13	35.44	12.14	34.95

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
P-9-25	Tavistock	100yr24hr	12.09	8.48	0.573	12.14	37.32	12.15	36.91
P-9-25	Tavistock	10yr24hr	12.05	5.84	0.555	12.11	35.09	12.12	34.89
P-9-25	Tavistock	2.33yr24hr	12.08	3.88	0.555	12.11	33.87	12.12	33.79
P-9-25	Tavistock	25yr24hr	12.05	6.64	0.538	12.12	35.70	12.13	35.44
P-9-26	Tavistock	100yr24hr	12.16	1.30	0.594	12.14	37.33	12.14	37.32
P-9-26	Tavistock	10yr24hr	12.11	0.90	0.426	12.11	35.10	12.11	35.09
P-9-26	Tavistock	2.33yr24hr	12.11	0.60	-0.292	12.11	33.88	12.11	33.87
P-9-26	Tavistock	25yr24hr	12.12	1.02	0.495	12.12	35.71	12.12	35.70
P-9-27	Tavistock	100yr24hr	12.08	5.99	0.447	12.13	37.71	12.14	37.32
P-9-27	Tavistock	10yr24hr	12.01	4.14	0.372	12.10	35.27	12.11	35.09
P-9-27	Tavistock	2.33yr24hr	12.08	2.69	-0.323	12.11	33.95	12.11	33.87
P-9-27	Tavistock	25yr24hr	12.01	4.72	0.405	12.11	35.94	12.12	35.70
P-9-28	Tavistock	100yr24hr	12.19	3.74	0.831	12.15	37.05	12.15	36.91
P-9-28	Tavistock	10yr24hr	12.15	2.56	0.401	12.12	34.96	12.12	34.89
P-9-28	Tavistock	2.33yr24hr	12.14	1.71	0.401	12.12	33.82	12.12	33.79
P-9-28	Tavistock	25yr24hr	12.16	2.91	-0.346	12.13	35.54	12.13	35.44
P-9-29	Tavistock	100yr24hr	12.20	0.84	-0.768	12.15	37.06	12.15	37.05
P-9-29	Tavistock	10yr24hr	12.15	0.57	0.311	12.12	34.97	12.12	34.96
P-9-29	Tavistock	2.33yr24hr	12.14	0.38	-0.259	12.12	33.82	12.12	33.82
P-9-29	Tavistock	25yr24hr	12.17	0.65	0.587	12.13	35.54	12.13	35.54
P-9-30	Tavistock	100yr24hr	12.19	1.96	0.686	12.15	37.12	12.15	37.05
P-9-30	Tavistock	10yr24hr	12.14	1.35	0.475	12.12	35.00	12.12	34.96
P-9-30	Tavistock	2.33yr24hr	12.14	0.90	0.212	12.12	33.83	12.12	33.82
P-9-30	Tavistock	25yr24hr	12.16	1.53	0.603	12.13	35.58	12.13	35.54
P-9-31	Tavistock	100yr24hr	12.20	0.93	0.830	12.15	37.13	12.15	37.12
P-9-31	Tavistock	10yr24hr	12.15	0.64	0.366	12.12	35.00	12.12	35.00
P-9-31	Tavistock	2.33yr24hr	12.14	0.43	0.366	12.12	33.83	12.12	33.83
P-9-31	Tavistock	25yr24hr	12.16	0.73	0.544	12.13	35.58	12.13	35.58
P-9-32	Tavistock	100yr24hr	12.11	8.17	-2.141	12.12	35.43	12.12	35.22
P-9-32	Tavistock	10yr24hr	12.06	5.55	-2.141	12.10	34.13	12.12	34.04
P-9-32	Tavistock	2.33yr24hr	12.09	3.51	-3.637	12.12	33.41	12.13	33.37
P-9-32	Tavistock	25yr24hr	12.06	6.36	3.239	12.10	34.48	12.12	34.36
P-9-33	Tavistock	100yr24hr	12.10	8.21	1.142	12.11	35.75	12.12	35.43
P-9-33	Tavistock	10yr24hr	12.05	5.58	1.142	12.09	34.27	12.10	34.13
P-9-33	Tavistock	2.33yr24hr	12.08	3.54	1.142	12.11	33.47	12.12	33.41
P-9-33	Tavistock	25yr24hr	12.05	6.39	-0.998	12.09	34.67	12.10	34.48
P-9-34	Tavistock	100yr24hr	12.07	7.33	-0.474	12.10	36.17	12.11	35.75
P-9-34	Tavistock	10yr24hr	12.00	5.01	-0.474	12.07	34.46	12.09	34.27
P-9-34	Tavistock	2.33yr24hr	12.05	3.13	-0.474	12.10	33.54	12.11	33.47
P-9-34	Tavistock	25yr24hr	12.00	5.76	0.597	12.07	34.92	12.09	34.67
P-9-35	Tavistock	100yr24hr	12.17	0.69	0.482	12.12	35.75	12.11	35.75
P-9-35	Tavistock	10yr24hr	12.13	0.37	0.328	12.09	34.27	12.09	34.27
P-9-35	Tavistock	2.33yr24hr	12.54	0.32	-0.294	12.11	33.47	12.11	33.47
P-9-35	Tavistock	25yr24hr	12.15	0.44	0.343	12.09	34.67	12.09	34.67
P-9-36	Tavistock	100yr24hr	12.84	0.68	0.704	12.12	35.75	12.12	35.75
P-9-36	Tavistock	10yr24hr	13.07	0.56	0.394	12.09	34.27	12.09	34.27
P-9-36	Tavistock	2.33yr24hr	3.78	0.41	0.394	12.11	33.47	12.11	33.47
P-9-36	Tavistock	25yr24hr	12.14	0.26	0.495	12.09	34.67	12.09	34.67
P-9-37	Tavistock	100yr24hr	12.07	6.66	-1.545	12.09	36.54	12.10	35.98
P-9-37	Tavistock	10yr24hr	12.01	4.55	1.212	12.05	34.62	12.07	34.36
P-9-37	Tavistock	2.33yr24hr	12.05	2.93	1.212	12.10	33.58	12.10	33.48
P-9-37	Tavistock	25yr24hr	12.02	5.20	-1.459	12.06	35.13	12.07	34.80
P-9-38	Tavistock	100yr24hr	14.51	1.11	-0.699	12.10	36.05	12.10	36.04
P-9-38	Tavistock	10yr24hr	12.06	0.36	-0.828	12.07	34.40	12.07	34.40

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
P-9-38	Tavistock	2.33yr24hr	12.54	0.16	-0.699	12.10	33.51	12.10	33.52
P-9-38	Tavistock	25yr24hr	11.56	1.33	0.890	12.07	34.84	12.07	34.82
P-9-39	Tavistock	100yr24hr	12.10	12.18	-4.414	12.10	36.32	12.10	36.03
P-9-39	Tavistock	10yr24hr	12.04	8.44	2.460	12.06	34.52	12.07	34.39
P-9-39	Tavistock	2.33yr24hr	12.09	5.78	3.526	12.10	33.55	12.10	33.49
P-9-39	Tavistock	25yr24hr	12.04	9.17	-3.641	12.06	35.00	12.07	34.84
P-9-40	Tavistock	100yr24hr	12.17	1.15	0.710	12.10	36.34	12.10	36.32
P-9-40	Tavistock	10yr24hr	12.10	0.64	-0.594	12.06	34.53	12.06	34.52
P-9-40	Tavistock	2.33yr24hr	12.54	0.43	-0.557	12.10	33.56	12.10	33.55
P-9-40	Tavistock	25yr24hr	12.12	0.77	0.683	12.06	35.01	12.06	35.00
P-9-41	Tavistock	100yr24hr	13.08	0.57	0.593	12.10	36.34	12.10	36.34
P-9-41	Tavistock	10yr24hr	13.07	0.46	0.352	12.06	34.53	12.06	34.53
P-9-41	Tavistock	2.33yr24hr	12.65	0.38	0.347	12.10	33.56	12.10	33.56
P-9-41	Tavistock	25yr24hr	13.00	0.47	-0.530	12.07	35.02	12.06	35.01
P-9-42	Tavistock	100yr24hr	12.08	5.80	-0.754	12.10	36.65	12.10	36.32
P-9-42	Tavistock	10yr24hr	12.02	3.94	1.005	12.06	34.67	12.06	34.52
P-9-42	Tavistock	2.33yr24hr	12.06	2.47	-0.652	12.10	33.61	12.10	33.55
P-9-42	Tavistock	25yr24hr	12.02	4.52	1.003	12.06	35.20	12.06	35.00
P-9-43	Tavistock	100yr24hr	14.47	1.85	-0.992	12.26	34.49	12.26	34.48
P-9-43	Tavistock	10yr24hr	12.00	1.18	-0.992	12.26	33.75	12.26	33.75
P-9-43	Tavistock	2.33yr24hr	12.07	0.75	-1.586	12.24	33.27	12.25	33.27
P-9-43	Tavistock	25yr24hr	11.34	1.86	1.820	12.27	33.98	12.27	33.97
P-9-9	Tavistock	100yr24hr	12.09	42.76	-10.918	12.26	34.48	12.37	34.24
P-9-9	Tavistock	10yr24hr	12.03	28.99	5.775	12.26	33.75	12.32	33.62
P-9-9	Tavistock	2.33yr24hr	12.08	17.41	5.775	12.25	33.27	12.28	33.23
P-9-9	Tavistock	25yr24hr	12.04	33.33	-11.828	12.27	33.97	12.34	33.81
P-BB-1	CORE	100yr24hr	12.52	33.29	-24.624	17.90	32.55	19.26	32.48
P-BB-1	CORE	10yr24hr	12.60	20.93	-24.624	18.52	31.86	19.83	31.77
P-BB-1	CORE	2.33yr24hr	13.87	11.48	-24.624	22.73	31.12	23.30	31.09
P-BB-1	CORE	25yr24hr	13.13	29.58	-24.624	17.83	32.09	18.82	31.99
P03-BR	CORE	100yr24hr	11.33	19.23	-21.745	18.89	31.92	18.89	31.88
P03-BR	CORE	10yr24hr	21.10	10.56	-3.871	19.68	31.23	19.68	31.21
P03-BR	CORE	2.33yr24hr	64.93	19.26	22.599	23.13	30.79	23.13	30.79
P03-BR	CORE	25yr24hr	18.30	12.06	4.157	19.51	31.35	19.52	31.32
P03-BRc	CORE	100yr24hr	23.67	11.38	-5.895	18.89	31.92	18.89	31.88
P03-BRc	CORE	10yr24hr	20.97	7.21	4.839	19.68	31.23	19.68	31.21
P03-BRc	CORE	2.33yr24hr	24.79	4.58	7.647	23.13	30.79	23.13	30.79
P03-BRc	CORE	25yr24hr	18.40	8.39	4.839	19.51	31.35	19.52	31.32
P07-BR	CORE	100yr24hr	1.67	3.79	-27.083	13.00	33.29	15.00	34.66
P07-BR	CORE	10yr24hr	4.00	3.85	-26.863	13.02	33.26	16.00	34.38
P07-BR	CORE	2.33yr24hr	4.00	3.85	-26.863	16.00	33.25	16.00	34.38
P07-BR	CORE	25yr24hr	4.00	3.85	-26.863	13.01	33.27	16.00	34.38
P_HH00015A	CORE	100yr24hr	15.03	109.32	6.588	18.57	31.63	16.74	29.81
P_HH00015A	CORE	10yr24hr	19.46	47.24	-5.467	19.39	29.97	17.16	29.23
P_HH00015A	CORE	2.33yr24hr	13.07	43.75	-5.221	19.38	29.83	17.16	29.23
P_HH00015A	CORE	25yr24hr	19.47	48.57	-5.600	19.39	30.03	17.16	29.23
P_HH00015B	CORE	100yr24hr	16.32	90.13	-0.027	18.57	31.63	16.74	29.81
P_HH00015B	CORE	10yr24hr	19.58	52.56	0.009	19.39	29.97	17.16	29.23
P_HH00015B	CORE	2.33yr24hr	19.55	48.09	0.008	19.38	29.83	17.16	29.23
P_HH00015B	CORE	25yr24hr	19.59	54.06	0.009	19.39	30.03	17.16	29.23
P_HH09005a	CORE	100yr24hr	18.13	10.71	0.171	18.18	33.56	13.41	33.10
P_HH09005a	CORE	10yr24hr	17.99	6.69	0.169	18.14	33.04	13.93	32.88
P_HH09005a	CORE	2.33yr24hr	18.82	3.87	0.169	16.89	32.68	14.00	32.64
P_HH09005a	CORE	25yr24hr	18.56	7.97	0.169	18.61	33.21	13.56	32.95

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Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
P_HH09040A	CORE	100yr24hr	12.54	26.79	0.941	13.01	32.72	17.50	32.61
P_HH09040A	CORE	10yr24hr	12.64	19.76	0.941	17.02	32.07	17.03	32.07
P_HH09040A	CORE	2.33yr24hr	12.71	10.59	0.941	14.02	31.48	14.54	31.45
P_HH09040A	CORE	25yr24hr	12.58	22.77	0.941	13.01	32.33	17.28	32.24
P_HH09040B	CORE	100yr24hr	12.63	25.47	0.584	13.01	32.72	17.50	32.61
P_HH09040B	CORE	10yr24hr	12.63	17.92	0.584	17.02	32.07	17.03	32.07
P_HH09040B	CORE	2.33yr24hr	12.71	9.21	0.584	14.02	31.48	14.54	31.45
P_HH09040B	CORE	25yr24hr	12.60	21.15	0.584	13.01	32.33	17.28	32.24
W-6A	CORE	100yr24hr	13.23	5.46	-0.003	13.29	35.95	18.18	33.56
W-6A	CORE	10yr24hr	13.85	3.27	0.000	13.85	35.14	18.14	33.04
W-6A	CORE	2.33yr24hr	14.61	1.59	0.000	14.61	34.38	16.89	32.68
W-6A	CORE	25yr24hr	13.72	4.02	-0.002	13.72	35.43	18.61	33.21
W-6B	CORE	100yr24hr	13.29	1.10	0.001	13.29	35.95	18.18	33.56
W-6B	CORE	10yr24hr	0.00	0.00	0.000	13.85	35.14	18.14	33.04
W-6B	CORE	2.33yr24hr	0.00	0.00	0.000	14.61	34.38	16.89	32.68
W-6B	CORE	25yr24hr	0.00	0.00	0.000	13.72	35.43	18.61	33.21
W01-BR	CORE	100yr24hr	12.52	22.46	1.132	13.02	33.20	12.98	33.12
W01-BR	CORE	10yr24hr	14.13	18.20	0.378	13.24	32.93	13.17	32.86
W01-BR	CORE	2.33yr24hr	13.96	9.78	0.058	13.96	32.64	14.78	32.54
W01-BR	CORE	25yr24hr	13.09	23.56	0.692	13.08	33.03	13.05	32.95
W06-BR	CORE	100yr24hr	0.00	0.00	4.037	12.32	33.25	13.00	33.29
W06-BR	CORE	10yr24hr	0.00	0.00	-1.561	13.02	33.22	13.02	33.26
W06-BR	CORE	2.33yr24hr	0.00	0.00	-1.561	13.08	33.22	16.00	33.25
W06-BR	CORE	25yr24hr	0.00	0.00	-2.472	12.40	33.23	13.01	33.27
W_HH01013C	CORE	100yr24hr	12.32	54.85	0.011	12.32	33.25	16.70	30.06
W_HH01013C	CORE	10yr24hr	13.02	41.51	0.007	13.02	33.22	13.70	29.84
W_HH01013C	CORE	2.33yr24hr	13.08	37.78	0.005	13.08	33.22	13.70	29.84
W_HH01013C	CORE	25yr24hr	12.40	44.01	0.008	12.40	33.23	13.70	29.84
W_HH02030	CORE	100yr24hr	15.23	192.82	-0.076	18.56	31.67	18.57	31.63
W_HH02030	CORE	10yr24hr	12.73	91.29	0.019	12.73	30.86	19.39	29.97
W_HH02030	CORE	2.33yr24hr	12.73	91.28	0.015	12.73	30.86	19.38	29.83
W_HH02030	CORE	25yr24hr	12.73	91.29	0.015	12.73	30.86	19.39	30.03
W_HH09015C	CORE	100yr24hr	13.30	59.22	0.011	13.30	33.05	16.70	30.06
W_HH09015C	CORE	10yr24hr	13.45	24.44	0.006	13.45	32.88	13.70	29.84
W_HH09015C	CORE	2.33yr24hr	14.00	3.00	0.001	14.00	32.64	13.70	29.84
W_HH09015C	CORE	25yr24hr	13.21	34.01	0.007	13.21	32.94	13.70	29.84

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5. PROPOSED CONDITIONS MODEL (PCM)

5A. PCM BASIN MAP

5B. PCM HYDROLOGY CALCULATIONS

5C. PCM NODE/LINK MAP

5D. PCM ICPR INPUT REPORT

5E. PCM ICPR BASIN SUMMARY

5F. PCM ICPR NODE MAXIMUM CONDITIONS REPORT

5G. PCM ICPR LINK MAXIMUM CONDITIONS REPORT

5H. POST-DEVELOPED DISCHARGE RATE / PRE-POST COMPARISON

5I. WETLAND NW-W22 RECM-PCM HYDROPERIOD ANALYSIS

DOT Pond 7 Expansion								
25 yr 24hr Node and Stage Comparison								
Node Name	**Simulation**	**Pre- Dev Peak Stage**	**Post- Dev Peak Stage**	**Stage Difference (ft)**		**Pre-Developed Peak Flow**	**Post-Developed Peak Flow**	**Peak Flow Difference**
BB-1	25yr24hr	32.09	32.09	0.00		29.84	29.58	-0.26
BB-10	25yr24hr	31.99				0.00		
BB-9	25yr24hr	32.92	32.90	-0.02		0.00	0.00	0.00
BOX 1-IN tw	25yr24hr	32.36	32.36	0.00		194.16	194.17	0.01
BOX 1-OUT	25yr24hr	32.24	32.24	0.00		236.75	236.76	0.01
BOX 2-IN	25yr24hr	31.93	31.93	0.00		236.87	236.88	0.01
BOX 2-OUT	25yr24hr	31.88	31.88	0.00		236.88	236.89	0.01
CORE Lake-10	**25yr24hr**	**32.72**				**23.20**		
CORE Lake-8	25yr24hr	33.89	33.87	-0.02		9.35	9.27	-0.08
CORE Lake-9	25yr24hr	33.83	33.81	-0.02		64.53	63.83	-0.70
DITCH 4	25yr24hr	31.79	31.79	0.00		236.91	236.91	0.00
DITCH 5	25yr24hr	31.70	31.70	0.00		239.25	239.26	0.01
DOT Pond 7	**25yr24hr**	**32.51**	32.50	**-0.01**		**17.84**	28.21	**10.37**
L-100A	25yr24hr	33.60	33.60	0.00		35.24	35.21	-0.03
L-100B	25yr24hr	33.94	33.94	0.00		13.00	12.94	-0.06
LAKE 3-PB tw	25yr24hr	33.47	33.47	0.00		3.44	3.44	0.00
Lake 5	25yr24hr	35.45	35.45	0.00		16.69	16.69	0.00
Lake 6	25yr24hr	35.43	35.43	0.00		4.02	4.02	0.00
Lake-7	25yr24hr	35.31	35.31	0.00		44.80	44.80	0.00
MH-1-PB-tw	25yr24hr	32.71	32.71	0.00		44.80	44.81	0.01
N-W22	25yr24hr	31.35	31.35	0.00		20.42	20.45	0.03
N05-BR	25yr24hr	32.95	32.95	0.00		36.25	36.55	0.30
N15-BR	25yr24hr	33.27	33.27	0.00		3.85	3.85	0.00
N_HH00010	**25yr24hr**	**31.32**	31.32	**0.00**		**21.88**	21.92	**0.04**
N_HH00012	25yr24hr	31.53	31.53	0.00		17.57	17.57	0.00
N_HH00015	25yr24hr	30.03	30.03	0.00		102.54	102.54	0.00
N_HH00020	25yr24hr	29.23	29.23	0.00		0.00	0.00	0.00
N_HH02030	25yr24hr	30.86	30.86	0.00		91.29	91.29	0.00
N_HH03075	25yr24hr	31.28	31.28	0.00		245.48	245.44	-0.04
N_HH03085	25yr24hr	29.61	29.61	0.00		0.00	0.00	0.00
N_HH09020	25yr24hr	32.93	32.94	0.01		16.95	17.76	0.81
N_HH09040	25yr24hr	32.34	32.33	-0.01		43.92	43.92	0.00
N_WS07010	25yr24hr	29.84	29.84	0.00		0.00	0.00	0.00
NW-W22	**25yr24hr**	**31.99**	**31.99**	**0.00**		**16.92**	14.45	**-2.47**
NW-W23A W23B	25yr24hr	33.02	33.03	0.01		23.00	23.56	0.56
NW-W24	25yr24hr	33.23	33.23	0.00		19.32	19.32	0.00
NW-W28A	25yr24hr	33.21	33.21	0.00		7.97	7.97	0.00
NW-W28B	25yr24hr	32.95	32.95	0.00		10.63	10.91	0.28
SR-70	25yr24hr	31.61				245.48		

DOT Pond 7 Expansion								
100 yr 24hr Node and Stage Comparison								
Node Name	**Simulation**	**Pre- Dev Peak Stage**	**Post- Dev Peak Stage**	**Stage Difference (ft)**		**Pre-Developed Peak Flow**	**Post-Developed Peak Flow**	**Peak Flow Difference**
BB-1	100yr24hr	32.56	32.55	-0.01		32.45	33.28	0.83
BB-10	100yr24hr	32.48				0.00		
BB-9	100yr24hr	33.31	33.29	-0.02		0.00	0.00	0.00
BOX 1-IN tw	100yr24hr	32.73	32.73	0.00		235.70	235.70	0.00
BOX 1-OUT	100yr24hr	32.61	32.61	0.00		276.42	276.43	0.01
BOX 2-IN	100yr24hr	32.33	32.33	0.00		276.58	276.59	0.01
BOX 2-OUT	100yr24hr	32.27	32.27	0.00		276.60	276.60	0.00
CORE Lake-10	**100yr24hr**	**33.08**				**30.31**		
CORE Lake-8	100yr24hr	34.33	34.30	-0.03		11.69	11.57	-0.12
CORE Lake-9	100yr24hr	34.27	34.24	-0.03		77.66	76.92	-0.74
DITCH 4	100yr24hr	32.19	32.19	0.00		276.63	276.64	0.01
DITCH 5	100yr24hr	32.11	32.11	0.00		279.71	279.72	0.01
DOT Pond 7	**100yr24hr**	**32.86**	**32.89**	**0.03**		**23.57**	36.22	**12.65**
L-100A	100yr24hr	33.95	33.94	-0.01		40.16	40.15	-0.01
L-100B	100yr24hr	34.36	34.36	0.00		14.03	13.96	-0.07
LAKE 3-PB tw	100yr24hr	34.21	34.21	0.00		4.42	4.42	0.00
Lake 5	100yr24hr	35.99	35.99	0.00		21.33	21.33	0.00
Lake 6	100yr24hr	35.95	35.95	0.00		6.56	6.56	0.00
Lake-7	100yr24hr	35.65	35.65	0.00		54.60	54.60	0.00
MH-1-PB-tw	100yr24hr	32.96	32.96	0.00		42.15	42.15	0.00
N-W22	100yr24hr	31.92	31.92	0.00		24.66	24.70	0.04
N05-BR	100yr24hr	33.13	33.12	-0.01		45.36	46.38	1.02
N15-BR	100yr24hr	33.29	33.29	0.00		3.79	3.79	0.00
N_HH00010	**100yr24hr**	**31.88**	**31.88**	**0.00**		**27.10**	27.13	**0.03**
N_HH00012	100yr24hr	31.89	31.89	0.00		23.57	23.57	0.00
N_HH00015	100yr24hr	31.63	31.63	0.00		191.57	190.63	-0.94
N_HH00020	100yr24hr	29.81	29.81	0.00		0.00	0.00	0.00
N_HH02030	100yr24hr	31.67	31.67	0.00		191.46	192.82	1.36
N_HH03075	100yr24hr	31.64	31.64	0.00		287.02	286.99	-0.03
N_HH03085	100yr24hr	30.16	30.16	0.00		0.00	0.00	0.00
N_HH09020	100yr24hr	33.06	33.05	-0.01		26.80	26.91	0.11
N_HH09040	100yr24hr	32.72	32.72	0.00		52.24	52.24	0.00
N_WS07010	100yr24hr	30.06	30.06	0.00		0.00	0.00	0.00
NW-W22	**100yr24hr**	**32.48**	**32.48**	**0.00**		**26.65**	24.01	**-2.64**
NW-W23A W23B	100yr24hr	33.21	33.20	-0.01		20.87	22.45	1.58
NW-W24	100yr24hr	33.25	33.25	0.00		27.67	27.67	0.00
NW-W28A	100yr24hr	33.56	33.56	0.00		10.71	10.70	-0.01
NW-W28B	100yr24hr	33.10	33.10	0.00		16.30	16.33	0.03
SR-70	100yr24hr	32.01				287.61		

5. PROPOSED CONDITIONS MODEL (PCM)

5A. PCM BASIN MAP

5B. PCM HYDROLOGY CALCULATIONS

5C. PCM NODE/LINK MAP

5D. PCM ICPR INPUT REPORT

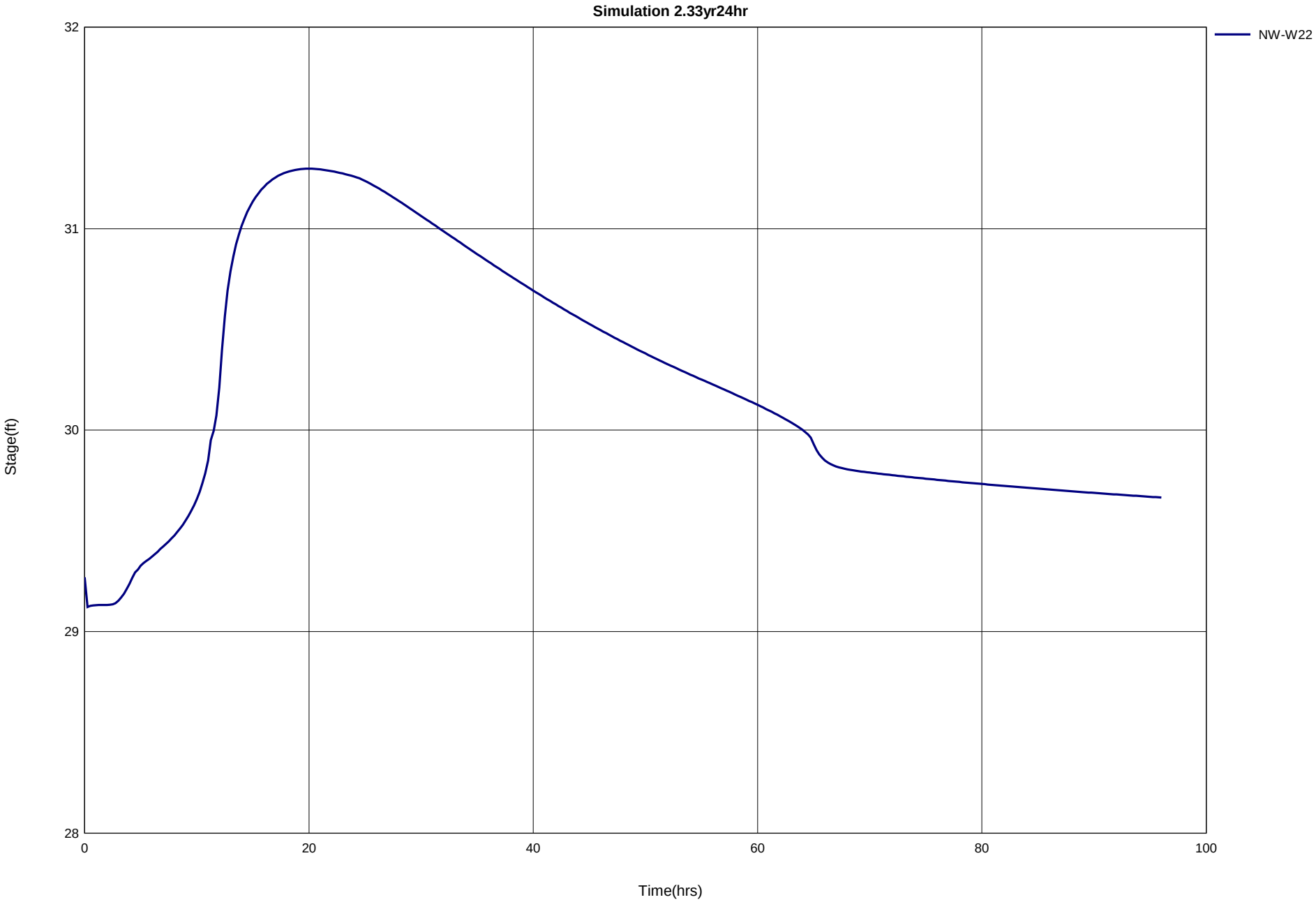
5E. PCM ICPR BASIN SUMMARY

5F. PCM ICPR NODE MAXIMUM CONDITIONS REPORT

5G. PCM ICPR LINK MAXIMUM CONDITIONS REPORT

5H. POST-DEVELOPED DISCHARGE RATE / PRE-POST COMPARISON

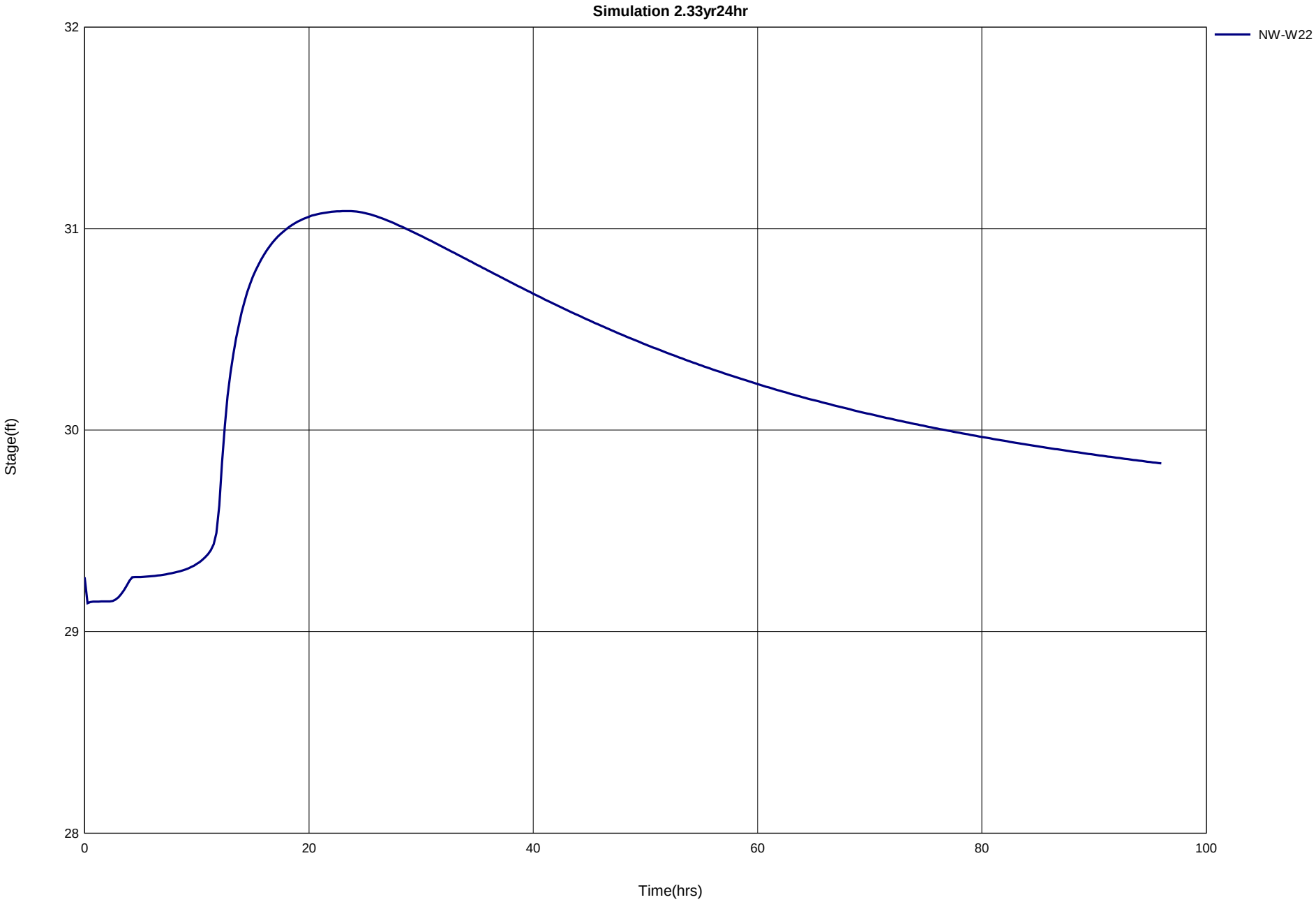
5I. WETLAND NW-W22 RECM-PCM HYDROPERIOD ANALYSIS



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Interconnected Channel and Pond Routing Model (ICPR) ©2002 Streamline Technologies, Inc.

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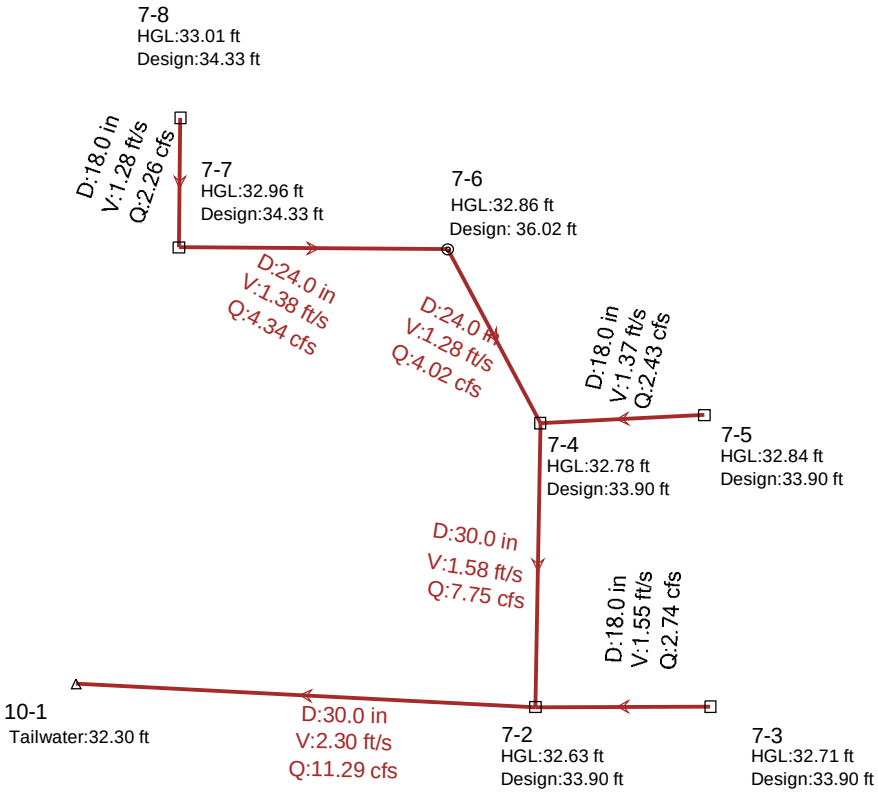
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6. INTERNAL STORMWATER MODEL

Scenario: Base



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Conduit FlexTable: Combined Pipe/Node Report

Label	Start Node	Stop Node	Length (Unified) (ft)	Upstream Inlet C	Upstream Inlet Area (acres)	Upstream Structure Flow (Total Surface) (cfs)	System Rational Flow (cfs)	Flow (cfs)	Velocity (ft/s)	Invert (Start) (ft)	Invert (Stop) (ft)	Slope (Calculated) (ft/ft)	Diameter (in)	Hydraulic Grade Line (In) (ft)	Hydraulic Grade Line (Out) (ft)
CO-63	7-8	7-7	85.0	0.604	0.496	2.26	2.26	2.26	1.28	30.56	30.39	0.002	18.0	33.00	32.96
CO-64	7-5	7-4	85.0	0.604	0.534	2.43	2.43	2.43	1.37	30.13	29.96	0.002	18.0	32.82	32.78
CO-65	7-3	7-2	85.0	0.604	0.603	2.74	2.74	2.74	1.55	30.13	29.96	0.002	18.0	32.69	32.63
CO-78	10-1	7-2	375.0	0.604	0.603	2.74	11.29	11.29	2.30	26.14	18.00	0.022	30.0	32.58	32.30
CO-79	7-2	7-4	336.0	0.604	0.534	2.43	7.75	7.75	1.58	28.66	27.99	0.002	30.0	32.75	32.63
CO-102	7-4	7-6	211.0	(N/A)	(N/A)	0.00	4.02	4.02	1.28	29.62	29.20	0.002	24.0	32.84	32.78
CO-103	7-6	7-7	198.0	0.604	0.496	2.26	4.34	4.34	1.38	30.02	29.62	0.002	24.0	32.94	32.86

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APPENDIX

A1. SUNBIZ.ORG – SMR NORTH 70, LLC

A2. MANATEE COUNTY PROPERTY INFORMATION

A3. STORMWATER MAINTENANCE INSTRUCTIONS TO OWNER

FLORIDA DEPARTMENT OF STATE
DIVISION OF CORPORATIONS

Detail by Entity Name

Florida Limited Liability Company

SMR NORTH 70, LLC

Filing Information

Document Number	L04000016326
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Last Event	ARTICLES OF CORRECTION
Event Date Filed	03/17/2004
Event Effective Date	NONE

Principal Address

14400 COVENANT WAY
LAKEWOOD RANCH, FL 34202

Changed: 04/06/2009

Mailing Address

14400 COVENANT WAY
LAKEWOOD RANCH, FL 34202

Changed: 04/06/2009

Registered Agent Name & Address

CHIOFALO, ANTHONY
14400 COVENANT WAY
LAKEWOOD RANCH, FL 34202

Address Changed: 04/06/2009

Authorized Person(s) Detail

Name & Address

Title MEMBER

SCHROEDER-MANATEE RANCH, INC.
14400 COVENANT WAY
LAKEWOOD RANCH, FL 34202

Annual Reports

Report Year	Filed Date
2014	03/12/2014
2015	04/13/2015
2016	03/16/2016

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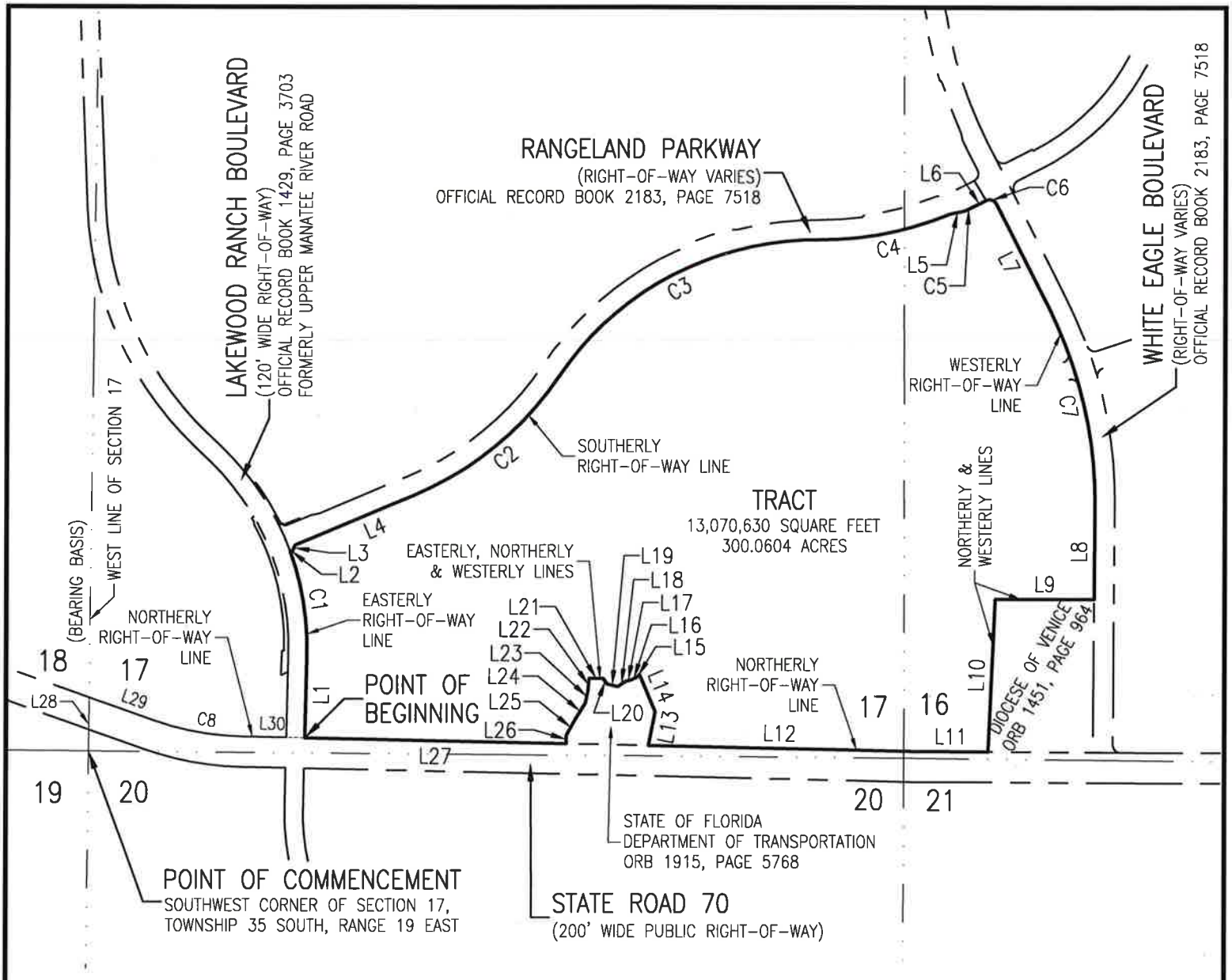
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APPENDIX

A1. SUNBIZ.ORG – SMR NORTH 70, LLC

A2. MANATEE COUNTY PROPERTY INFORMATION

A3. STORMWATER MAINTENANCE INSTRUCTIONS TO OWNER



SEE SHEET 2 FOR CURVE AND LINE TABLES
SEE SHEET 3 FOR LEGAL DESCRIPTION

ORB = OFFICIAL RECORD BOOK

SCALE: 1"=1000'

0' 250' 500' 1000' 2000'

NOTES:

1. Bearings shown hereon are arbitrary and are based on the west line of Section 17, Township 35 South, Range 19 East having a bearing of N00°24'52"E and do not refer to the true meridian.

2. This is a sketch only and does not represent a field survey.

3. Unless it bears the signature and the original raised seal of a Florida Surveyor and Mapper, this Sketch, Drawing, Plat or Map is for informational purposes only.

Robert R. Cunningham, P.S.M.
Florida Registration No. 3924

FOR: LAKEWOOD RANCH COMMERCE PARK, LLC

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Oct 20, 2016 – 10:25:13 BCUNNINGHAM|V:\2156\active\215613303\survey\drawing\sketch_desc\215613303v-spsk01.dwg

SKETCH & DESCRIPTION OF
A 300.0604 ACRE TRACT OF LAND LOCATED IN SECTIONS 16 & 17, TOWNSHIP 35 S., RANGE 19 E., MANATEE COUNTY, FLORIDA

Stantec
6900 Professional Parkway East, Sarasota, FL 34240-8414
Phone 941-907-6900 • Fax 941-907-6910
Certificate of Authorization #27013 • www.stantec.com
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420	HJC	RRC	215613303v-spsk01	215613303	1 OF 3	A215613303v-spsk01*	

LINE TABLE		
LINE	BEARING	DISTANCE
L1	N01°13'16"E	561.97'
L2	N69°51'38"E	17.00'
L3	N23°28'34"E	39.84'
L4	N66°57'40"E	841.44'
L5	N78°03'20"E	103.38'
L6	N63°00'45"E	100.00'
L7	S26°59'15"E	769.47'
L8	S00°16'42"W	626.55'
L9	N90°00'00"W	650.58'
L10	S02°25'12"W	1,002.11'
L11	N89°43'18"W	509.18'
L12	N88°46'44"W	1,710.36'
L13	N11°23'16"E	225.76'
L14	N23°10'45"W	266.14'
L15	S41°30'14"W	22.48'

LINE TABLE		
LINE	BEARING	DISTANCE
L16	S64°59'43"W	45.13'
L17	S74°34'40"W	36.76'
L18	S55°49'01"W	60.76'
L19	N76°37'32"W	70.20'
L20	N34°39'22"W	45.21'
L21	S89°47'44"W	92.75'
L22	S03°51'54"W	78.82'
L23	S12°26'27"W	82.84'
L24	S31°37'36"W	129.59'
L25	S29°06'23"W	115.80'
L26	S01°13'17"W	56.75'
L27	N88°46'44"W	1,703.31'
L28	N00°34'52"E	352.20'
L29	S70°25'14"E	442.21'
L30	S88°46'44"E	410.00'

CURVE TABLE					
CURVE	RADIUS	DELTA	ARC	CHORD	CHORD BEARING
C1	1,810.00'	21°21'39"	674.80'	670.90'	N09°27'34"W
C2	2,148.00'	33°10'29"	1,243.71'	1,226.41'	N50°22'25"E
C3	2,018.00'	56°37'47"	1,994.54'	1,914.34'	N62°06'04"E
C4	2,148.00'	23°18'10"	873.62'	867.61'	N78°45'53"E
C5	2,170.00'	1°25'11"	53.77'	53.77'	N63°43'20"E
C6	50.00'	90°00'00"	78.54'	70.71'	S71°59'15"E
C7	2,800.00'	27°15'57"	1,332.47'	1,319.93'	S13°21'17"E
C8	1,841.86'	18°21'30"	590.16'	587.64'	S79°35'59"E

SEE SHEET 1 FOR PLAN VIEW
SEE SHEET 3 FOR LEGAL DESCRIPTION

FOR: LAKEWOOD RANCH COMMERCE PARK, LLC

This is NOT a Survey and Not valid without all sheets.

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A 300.0604 ACRE TRACT OF LAND LOCATED IN SECTIONS 16 & 17, TOWNSHIP 35 S., RANGE 19 E., MANATEE COUNTY, FLORIDA

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Licensed Business Number 7866

TASK CODE:	DRAWN BY:	CHKED BY:	CAD FILE:	PROJECT NO:	SHEET	DRAWING INDEX NO:	REV:
420	HJC	RRC	215613303v-spsk01	215613303	2 OF 3	A215613303v-spsk01*	

DESCRIPTION (prepared by the signing Surveyor and Mapper):

A tract of land lying in Sections 16 and 17, Township 35 South, Range 19 East, Manatee County, Florida and described as follows:

Commence at the southwest corner of Section 17, Township 35 South, Range 19 East, Manatee County, Florida; thence N.00°34'52"E. along the west line of said Section 17, a distance of 352.20 feet to a point on the northerly line of State Road 70 (200-foot wide Public Right-Of-Way); the following three (3) calls are along said northerly right-of-way line of State Road 70; 1) thence S.70°25'14"E., a distance of 442.21 feet to the point of curvature of a curve to the left having a radius of 1,841.86 feet and a central angle of 18°21'30"; 2) thence easterly along the arc of said curve, an arc length of 590.16 feet to the point of tangency of said curve; 3) thence S.88°46'44"E., a distance of 410.00 feet to the POINT OF BEGINNING. said point being a point on the easterly right-of-way line of Lakewood Ranch Boulevard (120-foot wide Public Right-Of-Way), recorded in Official Record Book 1429, Page 3703 of the Public Records of Manatee County, Florida; the following two (2) calls are along said easterly right-of-way line of Lakewood Ranch Boulevard; 1) thence N.01°13'16"E., a distance of 561.97 feet to the point of curvature of a curve to the left having a radius of 1,810.00 feet and a central angle of 21°21'39"; 2) thence Northerly along the arc of said curve, a distance of 674.80 feet to the end of said curve, being a point on the southerly right-of-way of Rangeland Parkway as recorded in Official Records Book 2183, Page 7518 of said Public Records; the following nine (9) calls are along the southerly right-of-way line of said Rangeland Parkway; 1) thence N.69°51'38"E., along a line non-tangent with the previously described curve, a distance of 17.00 feet; 2) thence N.23°28'34"E., a distance of 39.84 feet; 3) thence N.66°57'40"E., a distance of 841.44 feet to the point of curvature of a curve to the left having a radius of 2,148.00 feet and a central angle of 33°10'29"; 4) thence Northeasterly along the arc of said curve, a distance of 1,243.71 feet to the point of reverse curvature of a curve to the right having a radius of 2,018.00 feet and a central angle of 56°37'47"; 5) thence Northeasterly along the arc of said curve, a distance of 1,994.54 feet to the point of reverse curvature of a curve to the left having a radius of 2,148.00 feet and a central angle of 23°18'10"; 6) thence Easterly along the arc of said curve, a distance of 873.62 feet to the end of said curve; 7) thence N.78°03'20"E., along a line non-tangent with the previously described curve, a distance of 103.38 feet to the point of curvature of a non-tangent curve to the left, having a radius of 2,170.00 feet and a central angle of 01°25'11"; 8) thence Northeasterly along the arc of said curve, a distance of 53.77 feet, said curve having a chord bearing and distance of N.63°43'20"E., 53.77 feet, to the point of tangency of said curve; 9) thence N.63°00'45"E., a distance of 100.00 feet to a point on the westerly right-of-way of White Eagle Boulevard as recorded in Official Records Book 2183, Page 7518 of said Public Records, said point being the point of curvature of a curve to the right having a radius of 50.00 feet and a central angle of 90°00'00"; the following four (4) calls are along the westerly right-of-way line of said White Eagle Boulevard; 1) thence Easterly along the arc of said curve, a distance of 78.54 feet to the point of tangency of said curve; 2) thence S.26°59'15"E., a distance of 769.47 feet to the point of curvature of a curve to the right having a radius of 2,800.00 feet and a central angle of 27°15'57"; 3) thence Southerly along the arc of said curve, a distance of 1,332.47 feet to the point of tangency of said curve; 4) thence S.00°16'42"W., a distance of 626.55 feet to a point on the northerly line of Diocese of Venice lands as recorded in Official Records Book 1451, Page 964 in said Public Records; the following two (2) calls are along the northerly and westerly line of said Diocese of Venice lands; 1) thence N.90°00'00"W., a distance of 650.58 feet; 2) thence S.02°25'12"W., a distance of 1,002.11 feet to a point on the above-mentioned northerly right-of-way line of State Road 70; the following two (2) calls are along said northerly right-of-way line of State Road 70; 1) thence N.89°43'18"W., a distance of 509.18 feet; 2) thence N.88°46'44"W., a distance of 1,710.36 feet to a point on the easterly line of a State of Florida Department of Transportation parcel described in Official Records Book 1915, Page 5768 in said Public Records; the following fourteen (14) calls are along the easterly, northerly, and westerly lines of said State of Florida Department of Transportation parcel; 1) thence N.11°23'16"E., a distance of 225.76 feet; 2) thence N.23°10'45"W., a distance of 266.14 feet; 3) thence S.41°30'14"W., a distance of 22.48 feet; 4) thence S.64°59'43"W., a distance of 45.13 feet; 5) thence S.74°34'40"W., a distance of 36.76 feet; 6) thence S.55°49'01"W., a distance of 60.76 feet; 7) thence N.76°37'32"W., a distance of 70.20 feet; 8) thence N.34°39'22"W., a distance of 45.21 feet; 9) thence S.89°47'44"W., a distance of 92.75 feet; 10) thence S.03°51'54"W., a distance of 78.82 feet; 11) thence S.12°26'27"W., a distance of 82.84 feet; 12) thence S.31°37'36"W., a distance of 129.59 feet; 13) thence S.29°06'23"W., a distance of 115.80 feet; 14) thence S.01°13'17"W., a distance of 56.75 feet to a point on said northerly right-of-way line of State Road 70; thence N.88°46'44"W., along said northerly right-of-way line of State Road 70, a distance of 1,703.31 feet to the POINT OF BEGINNING.

Said tract contains 13,070,630 square feet or 300.0604 acres, more or less.

SEE SHEET 1 FOR PLAN VIEW
SEE SHEET 2 FOR CURVE AND LINE TABLES

This is NOT a Survey and Not valid without all sheets.

FOR: LAKEWOOD RANCH COMMERCE PARK, LLC

Oct 20, 2016 - 10:25:13 BCUNNINGHAM|V:\2156\active\215613303\survey\drawing\sketch_desc\215613303v-spsk01.dwg

SKETCH & DESCRIPTION OF
A 300.0604 ACRE TRACT OF LAND LOCATED IN SECTIONS 16 & 17, TOWNSHIP 35 S., RANGE 19 E., MANATEE COUNTY, FLORIDA

Stantec
6900 Professional Parkway East, Sarasota, FL 34240-8414
Phone 941-907-6900 • Fax 941-907-6910
Certificate of Authorization #27013 • www.stantec.com
Licensed Business Number 7866

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APPENDIX

A1. SUNBIZ.ORG – SMR NORTH 70 LLC

A2. MANATEE COUNTY PROPERTY INFORMATION

A3. STORMWATER MAINTENANCE INSTRUCTIONS TO OWNER

Stantec Consulting Services Inc.
6900 Professional Parkway East
Sarasota FL 34240-8414
Tel: (941) 907-6900
Fax: (941) 907-6910

October 18, 2016

Via: Mail

File: 215613303 230

Lakewood Ranch Commerce Park, LLC
14400 Covenant Way
Lakewood Ranch, FL 34202

Attn: **Mr. Anthony Chiofalo, Vice President**

Reference: **Lakewood Centre CORE Phase I: Instruction for the Stormwater Management System**

Dear Mr. Chiofalo:

The Operation and Maintenance (O&M) of the stormwater management facility shall be in accordance with Chapters 40D-4, 40D-40, 40D-400, and 62-25, F.A.C. as required by the Southwest Florida Water Management District (SWFWMD). The system has been designed based on acceptable engineering principles and should provide a permanent means of stormwater treatment if properly maintained.

For normal operation, the following O&M procedures should be performed periodically:

Detention Ponds

- Pick up grass clippings after cutting.
- Re-sod disturbed side slopes and any areas where sod/ grass has been removed or eroded.
- On an annual basis and following a storm event, the entity responsible for maintenance should make inspections of the outfall structures to assure that the system is operating properly. Remove vegetation which can block the outfall structures.
- Inspect outfall pipes to ensure that no abnormal sedimentation or erosion is occurring.
- Keep all grassed swales free of excess debris and plant buildup. Keep grass in swales well maintained.

Sincerely,

STANTEC CONSULTING SERVICES INC.

Tyler Wilkinson

Tyler R. Wilkinson, E.I.
Project Engineer
Phone: (941) 907-6900
E-Mail: Tyler.Wilkinson@stantec.com