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September 9, 2022

VIA DIRECT UPLOAD

RECEIVED
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COMMUNITY DEVELOPMENT

Brandon Dunn, Principal Planner
Department of Community Development, Zoning Section
Lee County
P.O. Box 398
Fort Myers, FL 33902-0398
BDunn@leegov.com

RE: Daniels South Comprehensive Plan Amendments
CPA2021-00017 & CPA2021-00018 – 2nd Insufficiency Response

Dear Mr. Dunn,

The purpose of this letter is to provide a response to the Lee County Department of Community Development's review comments dated July 15, 2022, for the Comprehensive Plan Amendment applications referenced above. We appreciate the coordination and assistance from Staff over the past few months related to this application.

We welcome additional calls and emails from County Staff that will continue to help us address all comments in the most efficient manner possible.

1. The surface water performance model, supplied by the applicant, examined conditions during the wet season. This area of Lee County experiences stress to the Sandstone aquifer during the dry season and this stress causes the aquifer to reach levels that are close to or meet the Maximum Developable Limit (MDL) of the aquifer. Staff is concerned that added stress to the Sandstone aquifer because of the additional wells may cause water levels to exceed the MDL. How will water withdrawal from the eight proposed Sandstone aquifer wells will impact nearby residents during 90 days of no rainfall?

RESPONSE: As part of the Applicant's Timber Creek residential development, located directly across Daniels Parkway from the subject property, the County required the installation of a Sandstone Aquifer monitoring well. Based on the well's Completion Report, the top of the Sandstone Aquifer was intersected at a depth of 85 feet below land surface. The surveyed land surface elevation at the wellhead is 29.55 feet NAVD, therefore, the top of the Sandstone Aquifer is at elevation -55.45 feet NAVD (29.55' – 85' = -55.45').

The MDL is determined by adding at 20 feet to the top elevation of the Sandstone Aquifer which equals elevation -35.45 feet NAVD (-55.45' + 20 = -35.45'). On June 28, 2022 a dry season groundwater level elevation was recorded in the monitor well at a depth of 20.96 feet below the measuring point which equals a water level elevation of 11.32 feet NAVD. The Sandstone Aquifer water level elevation is, therefore, 46.77 feet above the MDL (11.32' - -35.45' = 46.77'). Daily monitoring of the Sandstone Aquifer is ongoing at Timber Creek and recent groundwater elevation levels are increasing with the onset of the rainy season. Therefore, while Sandstone Aquifer groundwater levels in certain areas of Lee County have been impacted due to over extraction, the area in which the subject property is located appears to have significantly better water resource conditions.

In order to maintain local water resource conditions, the Daniels South irrigation system is designed to conjunctively use two sources of water; 1) surface water from the project's stormwater wet detention lakes; and 2) groundwater from the Sandstone Aquifer. As a result, the overall use of groundwater is anticipated to be greatly reduced, and at times intermittent to nonexistent, since the primary source of irrigation supplies is stormwater. However, to provide additional assurance that the proposed Sandstone Aquifer groundwater withdrawals will not result in adverse impacts, the irrigation demands used in a groundwater modeling analysis performed by Progressive Water Resources (PWR) were based on a 1-in-10 drought frequency, i.e., drought conditions. In addition, the model simulation assumes zero surface water quantities being derived from the project's stormwater wet detention lakes, a condition considered virtually impossible since it is predicated upon the wet detention lakes being completely empty for a duration of 90 days.

Therefore, the assumptions used in PWR's groundwater modeling analysis are considered highly conservative. Despite these conservative assumptions, modeling indicates that the maximum month (dry season) drawdown from the operation of the irrigation running continuously for 90 days with no recharge is less than 1 foot at the project's eastern property boundary. Given the conservative nature of the modeling exercise described above, there are no adverse impacts anticipated to occur to nearby existing legal users. However, in order to provide additional assurance that adverse interference will not occur, the Applicant agrees to install a dedicated Sandstone Aquifer monitoring well as part of Daniels South development, shown in Figure 1a. The well is proposed to be installed along the project's eastern boundary and daily groundwater level measurements initiated upon issuance of the first Development Order. These initial readings will represent background, i.e. predevelopment, water levels and are proposed to continue for three years after project build-out or until such time that an adequate database of groundwater elevation data is achieved to County Staff's satisfaction. The proposed Daniel's South monitoring well, in conjunction with the existing monitor well at Timber Creek, and the USGS Sandstone Monitoring Well L-729, located approximately 3.3 miles to the east along Highway 82, will collectively provide Lee County an unparalleled ability to assess Sandstone Aquifer groundwater levels along the northern reaches of the DR/GR.

2. Please expand on the analysis of Lee Plan policies 33.2.1 and 126.1.1 regarding use of the Sandstone aquifer. Has the applicant considered options to reduce the use of the Sandstone aquifer? Such as using a blend of Lower Hawthorn and Sandstone aquifer wells. The Lower hawthorn aquifer has a higher salt content but when blended with the Sandstone aquifer the lake water can yield quality irrigation water.

RESPONSE: Lee Plan Policy 33.2.1 regards the protection of existing subdivisions from external adverse impacts and Lee Plan Map 2-D identifies such an area along Shawnee Road, to the east of the proposed residential development. Onsite inspections indicate that there are numerous residential structures (ranchettes) located along Shawnee Road and review of Lee County's Permitted Wells database indicates that most, if not all, of the residences utilize the Sandstone Aquifer for potable and irrigation supplies. As described in the response to the question above, the Applicant's proposed groundwater withdrawals are anticipated to have a de minimis impact on existing groundwater levels and nearby existing legal users. In addition, as shown in Figure 1a, the Applicant has proposed a dedicated Sandstone Aquifer groundwater monitoring well to provide additional assurance that adverse interference will not occur, in accordance with Lee Plan Policy 33.2.1. Therefore, the suggested use of the artesian and highly mineralized Lower Hawthorn Aquifer is not warranted.

Lee Plan Policy 126.1.4 requires developments to maintain or improve surface water flows, groundwater levels, and lake levels at or above existing conditions. As provided in the application documents, the proposed residential development satisfies Lee Plan Policy 126.1.4 due to its proposed interconnection of the historic surface water basins (Six Mile Cypress to the west and the Estero River to the east) allowing for increased hydration of the northern DR/GR. In addition, groundwater flow modeling indicates that adverse reductions to existing Sandstone Aquifer groundwater levels will not occur as a result of the proposed irrigation system. Therefore, the proposed development satisfies Lee Plan Policy 126.1.4.

3. Staff are still reviewing the Surface and Groundwater model provided the applicant. Staff may have additional comments once the review of the model is completed.

RESPONSE: Acknowledged. If upon completion of Staff's review, there are any questions or comments regarding the modeling submitted in support of the proposed development, please do not hesitate to contact the Professional Engineer that performed the analysis.

4. As part of the resubmittal, the applicant provided an approved SFWMD formal wetland jurisdictional determination but the proposed Future Land Use Map and Legal Description do not reflect the approved wetland lines. Please clarify if the applicant will be amending the Wetland FLU to reflect the approved JD lines as part of this application or if a separate Map Boundary Determination will be submitted.

RESPONSE: The Applicant has received a Jurisdictional Determination (JD) from the South Florida Water Management District. A signed and sealed & digital copy of the Special Purpose Survey accepted by SFWMD are provided. Legal Descriptions will not be prepared in lieu of the survey so the Wetland Future Land Use category can be amended to reflect the JD.

5. The Indigenous Preservation, Restoration, and Management Plan states that 383.30 acres of indigenous restoration, including OSW and berm restoration, will occur on the property. Please clarify how many acres of the wetland and upland restoration will occur within the 10,000' Hazardous Wildlife Buffer. Please include the number of wetland restoration acres and the number of upland restoration acres.

RESPONSE: The Hazardous Wildlife Buffer contains 239.40± acres of wetland restoration and 62.66± acres of upland restoration.

Wetland Restoration

- **229.79± acres of Indigenous Wetland Restoration.**
- **1.77± acre of Other Surface Waters (OSW) to be Restored to Indigenous Wetlands.**
- **7.84± acres of Berms to be Restored to Indigenous Wetlands.**

239.40± acres of Wetland Restoration.

Uplands Restoration

- **53.88± acres of Indigenous Upland Restoration.**
- **4.03± acres of Other Surface Waters (OSW) to be Restored to Indigenous Uplands.**
- **4.75± acres of Berms to be Restored to Indigenous Uplands.**

62.66± acres of Upland Restoration.

There is a total of 543.90± acres of preserve within the Southwest Florida International Airport 10,000-Foot Hazardous Wildlife Buffer (Buffer).

Preservation and Enhancement

- **181.05± acres of Indigenous Wetland Preserve and Enhancement.**
- **60.79± acres of Indigenous Upland Preserve and Enhancement.**

241.84± acres of Indigenous Preserve and Enhancement.

Total Preservation, Enhancement and Restoration

- **241.84± acres of Indigenous Preserve and Enhancement.**
- **239.40± acres of Wetland Restoration.**
- **62.66± acres of Upland Restoration.**

543.9± acres of Preserve, Enhancement and Restoration.

6. The Protected Species Management and Human-Wildlife Coexistence Plan states that wading bird habitat and foraging areas will be provided through the preservation, enhancement and restoration of 507.2 acres of wetlands. Additionally, the plan states that removal of exotic plants and installation of native plants will result in habitats that are more suitable for wading bird foraging and roosting. How much of this preserved, enhanced and restored wetland habitat will be located within the 10,000' Hazardous Wildlife Buffer? Please address how these wetland habitat improvements within the buffer is consistent with Objective 47.2, as the statements in the Protected Species Management and Human-wildlife Coexistence Plan seem to be inconsistent.

RESPONSE: Per the response provided to Comment No. 5 above, the Buffer contains 420.45± acres of wetlands that will be preserved, enhanced, and restored.

- **181.05± acres of Indigenous Wetland Preservation and Enhancement.**
- **239.40± acres of Wetland Restoration.**

420.45± acres of Wetland Preservation, Enhancement, and Restoration.

Lee Plan Policy 47.2.5 states that "Hazardous wildlife attractants within 10,000 feet of a Port Authority airport's Air Operation Area (AOA) will be avoided by minimizing and correcting any wildlife hazards arising from wetlands or water bodies in accordance with FAA AC 150/5200-33B, or as otherwise amended. Site improvements on or near the Port Authority's airports must be designed to minimize attractiveness to wildlife of natural areas and manmade features such as detention/retention ponds, landscaping, and wetlands, which can provide wildlife with ideal locations for feeding, loafing, reproduction, and escape." Thus, Policy 47.2.5 is focused on compliance with the Federal Aviation Administration (FAA) Advisory Circular (AC) on hazardous wildlife attractants on or near airports. The following demonstrates how the project complies with the specific sections of the current FAA AC (150/5200-33C) with respect to minimizing wildlife attractants within the Buffer:

FAA AC 150/5200-33C

Section 2.3.2 – New Stormwater Management Facilities

This section of the AC states: "To facilitate the control of hazardous wildlife, the FAA recommends the use of steep-sided, rip-rap or concrete lined, narrow, linear-shaped water detention basins." In addition, this section states that "All vegetation in or around detention basins that provide food or cover for hazardous wildlife should be eliminated." Furthermore, this section of the AC recommends designing surface water management features "so as not to create above-ground standing water." The project has incorporated the following design modifications to address these issues: 1) Stormwater management lakes located within the Buffer will incorporate hardened shorelines (e.g., rip-rap) and/or steep slopes (i.e., 4:1); 2) stormwater lakes will be maintained in a manner that keeps them free of both emergent and submergent vegetation; and 3) the open water flow path previously proposed to connect the Six Mile Cypress and Estero drainage basins within the

project has been redesigned to be a closed system (i.e., piped with no open standing water). Therefore, the proposed design modifications are consistent with Section 2.3.2 of the AC.

Section 2.4.1 – Existing Wetlands on or near Airport Property

This section of the AC states: "At public-use airports, the FAA recommends immediately correcting, in cooperation with local, state, and Federal regulatory agencies, any wildlife hazards arising from existing wetlands located on or near airports within 5 miles of the aircraft operations area." Section 7.0 of the attached Protected Species and Human-Wildlife Coexistence Plan (PSHWCP) has been updated to include the following language consistent with Section 2.4.1 of the AC: If wildlife hazards are identified within the Project, the project team will coordinate with Lee County Port Authority (LCPA) Staff to immediately correct the issue(s). This may also involve coordination with local, state, and federal permitting agencies.

Section 2.4.3.2 – Off-Site Mitigation of Wetland Functions

This section of the AC states that "The FAA encourages landowners or communities supporting the restoration or enhancement of wetlands to do so only after critically analyzing how those activities would affect aviation safety. To do so, landowners or communities should contact the affected airport sponsor…" and "those parties should work cooperatively to develop restoration or enhancement plans that would not worsen existing wildlife hazards or create such hazards." Additionally, "if parties develop a mutually acceptable restoration or enhancement plan, the landowner or community proposing the restoration or enhancement must monitor the restored or enhanced site. This monitoring must verify that efforts have not worsened or created hazardous wildlife attraction or activity. If such attraction or activity occurs, the landowner or community should work with airport sponsor…to reduce the hazard to aviation."

The Applicant has had several meetings with LCPA Staff to thoroughly vet the conceptual site plan and discuss opportunities to minimize wildlife attractants within the site. Based on these meetings, the Applicant has incorporated multiple measures in the PSHWCP and Indigenous Preservation Restoration and Management Plan (IPRMP) to minimize wildlife attractants per LCPA recommendations. The minimization measures include:

1. **Stormwater lakes will incorporate a hardened shoreline (e.g., rip-rap) and/or steep slopes (i.e., 4:1) to minimize wading bird attractants.**
2. **Stormwater lakes will be maintained in a manner that keeps them free of both emergent and submergent vegetation such as pickerelweed (*Pontederia cordata*) and red ludwigia (*Ludwigia repens*).**
3. **No wetlands will be created within the Buffer.**
4. **Existing wetland and upland habitats will be managed such that they are restored, where applicable, in a "like-for-like" manner to maintain existing habitat types. For example, a melaleuca forest will be replaced with native trees and an exotic-infested**

marsh will be replanted with herbaceous vegetation.

5. **Plantings installed within the Buffer will adhere to the LCPA Compatible Native Plant List to reduce or eliminate plant material that would provide food, water, and shelter for large flocks of birds that could pose a high risk to aviation.**
6. **Hydrologic restoration will be focused on interconnecting wetland systems and is not anticipated to increase wetland hydroperiods within the site.**

In addition, Section 7.0 the attached PSHWCP includes a commitment to implement a wildlife monitoring program during construction and exotic removal activities. Numerous Best Management Practices (BMPs), as suggested by LCPA Staff, will be incorporated into the wildlife monitoring program to minimize wildlife attractants. A list of the BMPs is provided in Section 7.0 of the attached PSHWCP. Through multiple meetings and coordination efforts, the Applicant has demonstrated the willingness to work with LCPA Staff to develop management and monitoring plan strategies that best minimize wildlife attractants within the site. As such, the project is consistent with Section 2.4.3.2 of the AC.

As demonstrated above, the project is consistent with Sections 2.3.2, 2.4.1, and 2.4.3.2 of FAA AC 150/5200-33C; therefore, the project is consistent with Lee Plan Policy 47.2.5.

Section 12.1 of the attached PSHWCP has been revised to clarify that enhancement and restoration activities will adhere to the Hazardous Wildlife Protection Measures (Section 7.0) of the plan to minimize potential wildlife attractants.

7. The Indigenous Preservation, Restoration, and Management Plan states that extensive berm removal activities will restore hydrologic connectivity that historically existed among the onsite wetland communities. While the Protected Species Management and Human-Wildlife Coexistence Plan states that the hydrologic restoration proposed within the conservation areas will be focused on interconnecting wetland systems and is not anticipated to increase wetland hydroperiods. What engineering techniques will be implemented to ensure that the wetland hydroperiods within the 10,000' Hazardous Wildlife Buffer do not increase?

RESPONSE: As stated in Section 5.2 of the attached IPRMP, the proposed hydrologic restoration activities are designed to reconnect the Project's wetland systems and are not anticipated to increase wetland hydroperiods. Activities that could increase wetland hydroperiods, such as excavating/lowering the ground surface or creating impoundments, are not proposed as they could potentially attract hazardous wildlife. The main objective of the hydrologic restoration is to facilitate the north to south flow of water through the Project site that existed historically while maintaining existing wetland hydroperiods. It is anticipated that cypress and freshwater marsh systems will maintain long hydroperiods (approximately 180-270 days) while hydric pine and mixed wetland hardwood hammocks will maintain short hydroperiods (approximately 30-60 days), consistent with South Florida Water Management District habitat characterizations.

A flow path will be established in the central portion of the site which will facilitate a hydrologic connection between the Estero River and Six Mile Cypress sub-watersheds. Per coordination with LCPA Staff, the flow path was designed to be a closed (i.e., piped with no open standing water) system so it would not function as a wildlife attractant. The flow path will connect two short hydroperiod wetland habitat types (i.e., hydric pine and mixed wetland hardwoods); therefore, hydrologic connection between these systems is anticipated to occur only during peak wetland water levels or after large storm events. A cross-section showing how the flow path is intended to function is attached and provided as Appendix G in the attached IPRMP.

Additionally, the Drainage Report and model has been amended to include an analysis for shorter duration more frequent rainfall events. The South Florida Water Management District established a policy for analyzing potential wetland hydroperiod impacts with a rainfall event associated with a 2.33 year one day storm. A pre-vs-post comparison of the wetland areas for this rainfall event show 0.03 feet increase in peak stage in one wetland area and small decreases (0.03- 0.09 feet) in in peak stage of the other wetland areas for the 2.33-year storm event. These differences are negligible and within the modeling tolerances. Changes in hydroperiods would require increases in the depth of water in wetland areas by several inches.

8. Will the LCPA Landscape List be implemented for all development including single family homes, amenity center, common elements, etc within the 10,000' Hazardous Wildlife Buffer?

RESPONSE: The applicant has included Proposed Conditions with the concurrent Mixed Use Planned Development.

Proposed Condition #5 Development Order landscape plans must reflect 100% native vegetation for required buffers and landscaping. Any buffers within the 10,000 foot Hazardous Wildlife Buffer and not included in the IPRMP must be planted in compliance with the Lee County Port Authority "Recommended Compatible and Incompatible Native Landscape List." The planting requirements and plant list must be incorporated into project covenants and deed restrictions.

We believe that the responses above and attached materials provide the information necessary to appropriately respond to the comments provided. Should additional information be necessary to find the application sufficient, please do not hesitate to contact me at 850-354-7624 or email me at tekblad@stearnsweaver.com.

Sincerely,

Tina M. Ekblad MPA, AICP
Director of Planning

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ATTACHMENT 2

DANIELS PARKWAY SOUTH
COMPREHENSIVE PLAN AMENDMENTS
CPA2021-00017 & CPA2021-00018

SUPPORTING NARRATIVES

[June 10, 2022]
[September 9, 2022]

EXHIBIT A

OF SUPPORTING NARRATIVES

PROJECT NARRATIVE

STEARNS WEAVER MILLER
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Daniels Parkway South
Comprehensive Plan Amendment
Project Narrative

June 10, 2022

The Property subject to the Comprehensive Plan Amendment is approximately 1,233 acres including STRAPS: 09-45-26-00-00003.0000, 08-45-26-00-00001.0030, 17-45-26-00-00001.0010, 16-45-26-00-00001.0000, 21-45-26-00-00001.0000, located at the southeast corner of Daniels Parkway and SR 82. The Property is in a unique location in the County between two arterial roadways, platted neighborhoods, and an International Airport. Due to the Property's size and configuration, part of the Property is within urban service boundaries for Lehigh Acres as well as Southeast Lee County.



Figure 1. Aerial of Subject Property

The Property is within the DR/GR, Wetlands and Central Urban future land use categories as well as the Southeast Lee County and Lehigh Acres Community Planning Areas, which govern future development of the Property. A Map Amendment is proposed for the portion of the Property located within the Central Urban FLU and Lehigh Acres Community Planning Area. A Text

Amendment with accompanying map amendments are proposed for the portion of the Property within the DR/GR and Wetlands FLU in the Southeast Lee County Community Planning Area.

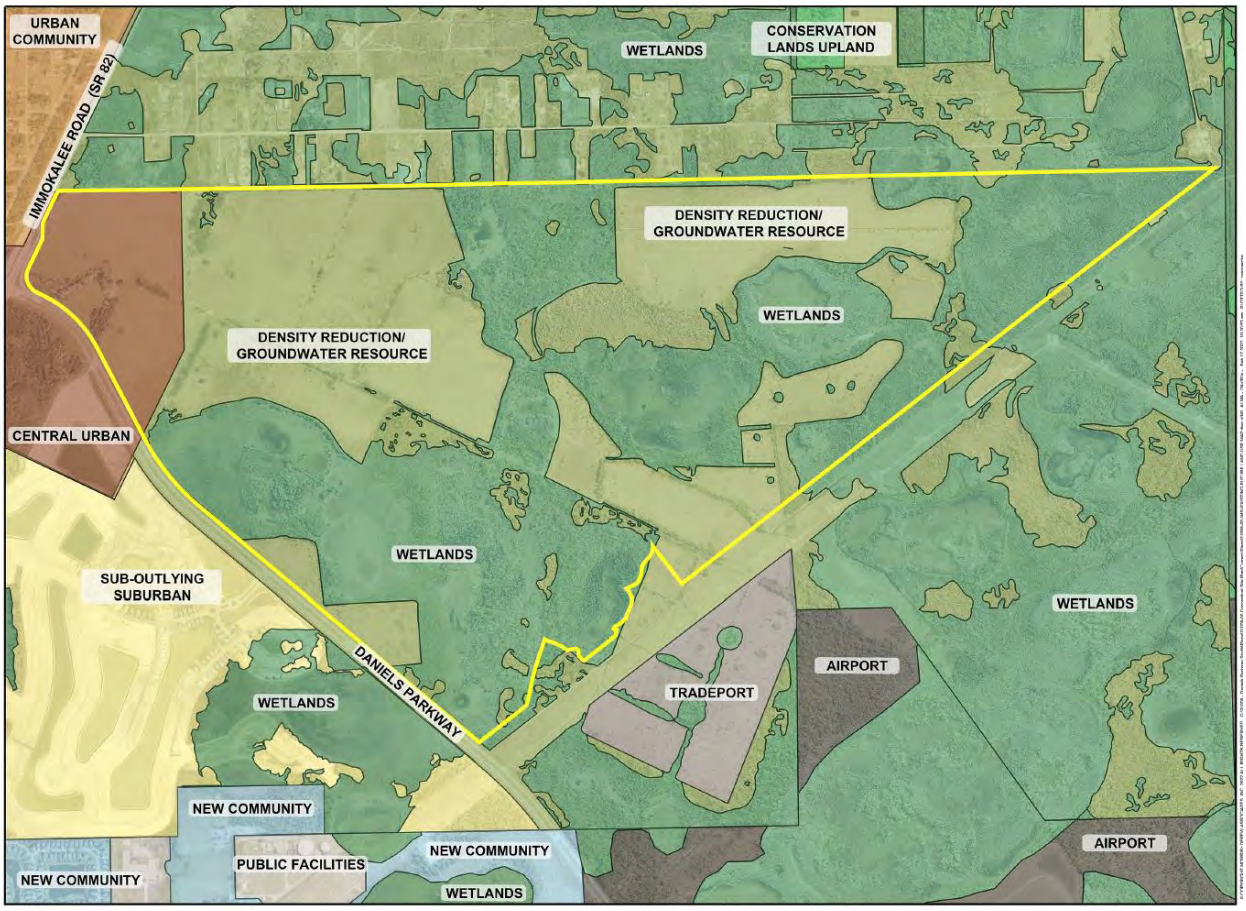

Figure 2. Existing Future Land Use

A formal determination of wetlands and other surface waters on-site was requested of the South Florida Water Management District (SFWMD) pursuant to Rule 62-330.201 Florida Administrative Code. A site visit and wetland limits were verified on January 14, 20 and 21, 2022 by the SFWMD and established 532.51 acres of wetlands and 30.93 acres of Other Surface Waters (OSW). The existing OSW on-site were agricultural ditches and remnants of prior military activity near the intersection of Daniels Parkway and SR 82. A copy of the determination is included in the supporting materials to the Map Amendment request.

As a result of the formal determination, the future land use categories of the subject property establish a maximum density of 933 dwelling units.

Future Land Use	Acreage	Density	Residential Units
DR/GR	616.05	1 DU/10 AC	61.60
Wetlands	532.51	1 DU/20 AC	26.62
Central Urban	84.52	10 DU/AC	845.2
Total Residential Units			**933.42**

Table 1. Existing Density Calculations

The development patterns that can be promoted by each future land use category are dramatically different. The Central Urban area, which is also within one of the mixed use overlays, can establish a clustered development pattern with higher densities and intensities served by central water and sewer. Only the Central Urban portion of the property is within the Lee County Utilities Future Service Area. Conversely, the DR/GR area can only establish 88.2 large lot single family development with well and septic. The pattern of development and use of 88 individual wells and septic systems conflicts with the desire to maintain the quality and quantity of surface and groundwater as envisioned by Lee Plan policy 1.4.5 for the Density Reduction/Groundwater Resource future land use. Additionally the property is within the Private Recreational Facilities Overlay. This Overlay is for properties that are located in areas characterized as "predominately impacted with agricultural, mining or other permitted uses, large lot single or limited ownership patterns and with direct access to existing roadways" in addition to being outside prioritized preservation areas. This Overlay precludes residential uses but permits ancillary commercial uses to a golf course, horse stable and camping facility. These uses also seem to conflict with the desire to maintain the quality and quantity of surface and groundwater as envisioned by Lee Plan policy 1.4.5.

As a result of these dramatically different development patterns for the subject property if developed independently, a map and text amendment with a concurrent planned development are proposed to establish a development strategy and design that promote a comprehensive master plan with unified commercial and residential development enhancing the vision and goals of each planning community, preserves and restores 676.10 acres of wetland and upland habitat (including 58 acres of Rare and Unique Uplands), establishes historic flow paths across the Property and promotes the responsible development of the Property in a manner that cannot be achieved under the existing Lee County requirements.

I. Introduction

The Southeast Lee Community Planning Area is often thought of as synonymous with the DR/GR Future Land Use Category. While this is not the case, the consideration of an enhancement overlay within this planning community has to start with an understanding of this FLU category and the existing land use characteristics of the Property.

The DR/GR is a future land use designation that was assigned to an area spanning approximately 82,560 acres in the southeast portion of Lee County and designated as the Southeast Lee Community Planning Area. The adoption of this land use category was the result of direction from the Department of Economic Opportunity (at the time, Department of Community Affairs) to direct growth to areas where development and infrastructure were already in place as well as to implement a strategy to protect shallow aquifers within this portion of Lee County. The DR/GR future land use category limits residential development to one (1) unit per 10 acres. The Wetlands future land use category, which permeates throughout the DR/GR, limits residential development to one (1) unit per 20 acres. The Southeast Lee County Community Planning Area is outlined in Goal 33 of the Lee Plan; which describes the importance of water resources and wildlife habitat and supports clustered and concentrated development patterns to incorporate protections for these resources into development designs.

Development within the DR/GR has largely occurred through three approaches:

1. Existing Acreage Subdivisions – Rural Subdivisions typically of 1 to 5 or more acre lots for residential and agricultural purposes. Development is supported by individual well and septic system.
2. Land Use Overlay – Several Overlays exist within the Southeast Lee Planning Area that seek to promote concentrated areas of development in a manner that improves and/or restores natural resources within the area.
3. Limerock Mining – Lands approved for mining historically or through the Mine Excavation. As mines have closed some have sought to be included in a land use overlay to promote redevelopment of the property in a manner that improved on-site natural resources.

Traditionally, central water and sewer service was not provided within the Southeast Lee County Planning Area promoting the use of potable well and septic. This seems to be in conflict with the DR/GR Future Land Use intent to maintain the quality and quantity of surface and groundwater as outlined by Policy 1.4.5.

Map 2-D Mixed Use Communities

As part of an evolving regulatory strategy for the Southeast Lee Community Planning Area, an amendment to the Lee Plan was adopted in 2010 that established Objectives 33.2 and 33.3 with their supporting polices and adopted Map 2-D identifying existing development types within the Southeast Lee Community Planning Area. An accompanying amendment was made to the Lee County Utilities Service Area to bring central utilities to specific locations. Map 2-D and Objective 33.3 identified existing residential areas and concentrated existing development rights on large tracts of land identified as Mixed Use Communities.

Since the initial implementation of the Mixed Use Communities, Map 2-D and associated utility service areas, have been amended with Objectives 33.2 and 33.3 and their supporting policies. Today there are 5 types of residential communities described in the Lee Plan and depicted on Map 2-D. Collectively, the strategies associated with these various communities have established a framework for development in the Southeast Lee Planning Community balancing residential and commercial development with environmental preservation. Some of this development within the Southeast Lee Community Planning Area is located along the Corkscrew Road corridor within the Environmental Enhancement Preservation Communities Overlay.

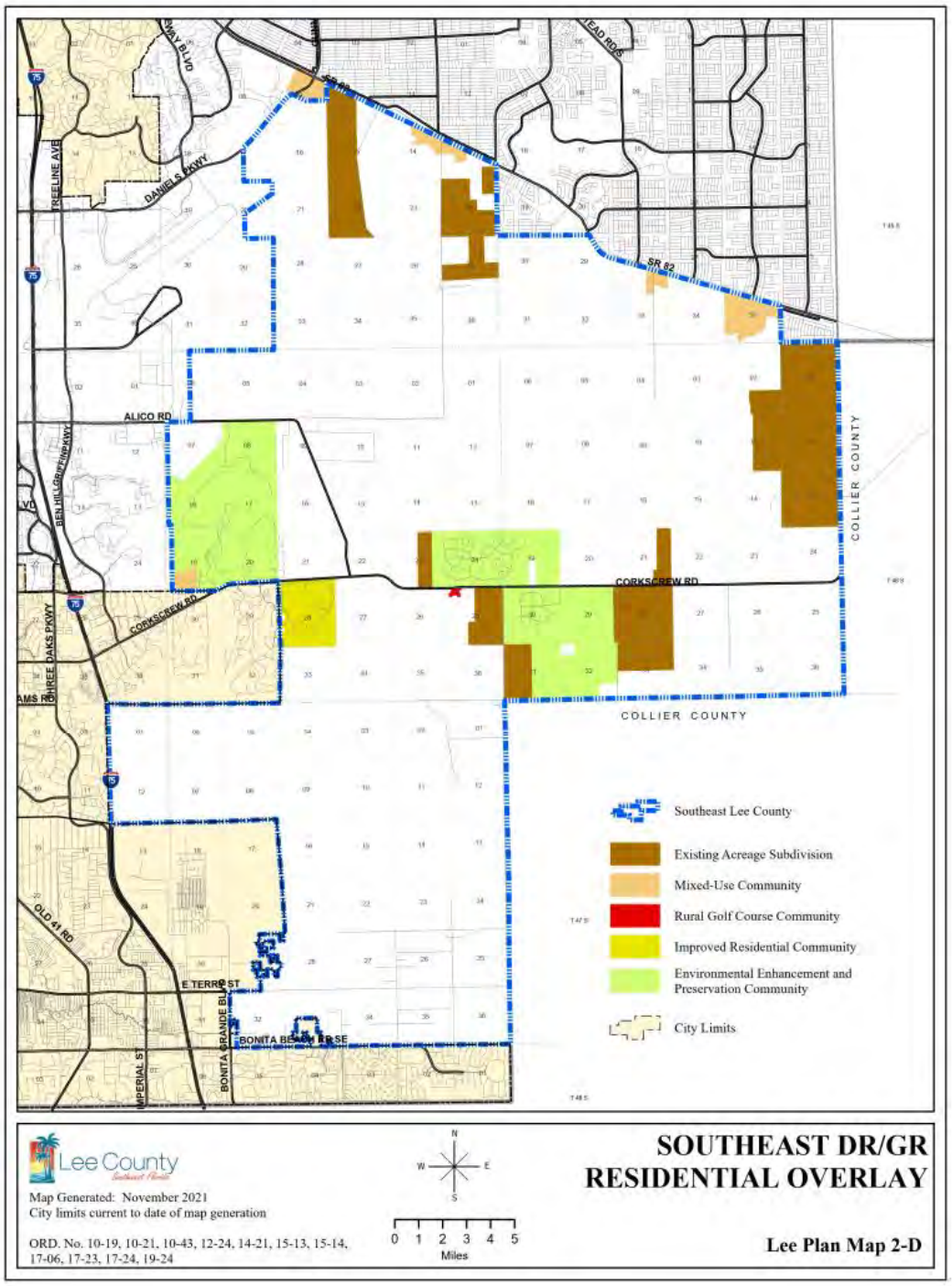

Figure 3. Map 2-D Southeast DR/GR Residential Overlay

Currently, there are six Mixed Use Communities established by Map 2-D - four are within Southeast Lee County and two are within Lehigh Acres. However, none of the Mixed Use Communities within Southeast Lee have developed as originally envisioned. The Mixed Use Community adjacent to WildBlue was excavated when the commercial uses were approved as part of the EEPCO to the east, supporting the project's MPD rezoning. The remaining three Mixed Use

Communities are located on properties currently utilized for agricultural activities and have not been rezoned to permit commercial or residential uses.

Of the two Mixed Use Communities in Lehigh Acres, one is zoned for 250,000 square feet of commercial uses, 150 hotel rooms and 50 multi-family units per Resolution Z-17-019. This community is immediately adjacent to a 1,315 unit residential subdivision known as Timber Creek. Unfortunately since the approval of the MPD in 2017, no development has occurred.

The remaining Mixed Use Community in Lehigh Acres is part of the subject property and is currently zoned AG-2. As part of the Lehigh Acres Planning Community this area is identified to be developed with a mix of two or more uses at the higher end of the density and intensity ranges to promote a sustainable urban development.

Proposed Mixed Use Enhancement Communities Overlay

The Lee Plan currently permits some additional development on contiguous property within 400 feet of the boundary of the Mixed Use Community for the Property. This limitation would impact existing on-site wetlands to cluster permitted development intensity within the existing 400 feet. Additionally, the existing policies do not prioritize the preservation and restoration of existing on-site native vegetative communities, including Rare and Unique Uplands, as well as the re-establishment of natural flow patterns and connection of watershed basins. The proposed Text Amendment seeks to establish a Mixed Use Enhancement Community Overlay to permit additional development beyond 400 ft of an existing Mixed Use Community provided a planned development is submitted demonstrating preservation and restoration of native vegetative communities, preservation and res-establishment of natural flow patterns, and the interconnection of watershed basins. As written, the concurrent review of an Overlay and Planned Development requests will ensure that the proposed development meets these objectives and is conditioned to appropriately address the natural resource priorities of the Southeast Lee Community Plan and Density Reduction Groundwater Resource future land use.

The joint map and text amendment applications together request the following:

1. Amend the Future Land Use Map 1-A for 84.5 acres of the subject property from Central Urban to Intensive Development.
2. Amend Map 1-F to eliminate the Private Recreation Facilities Overlay from the subject property.
3. Amend Maps 4-A and 4-B to extend Lee County Utilities Service Area over 1,148.5 acres of the subject property
4. Amend Map 2-D to include 1,148.5 acres of the subject property within the Mixed Use Community Enhancement Overlay.
5. Amend Policy 1.6.10, Objective 33.2 and Policy 33.2.2 to establish Mixed Use Communities Enhancement Overlay.
6. Amend Policy 1.5.10 to permit density to be summed across Non-Urban Future Land Use categories for properties within the Southeast Lee County Overlay (Map 2-D).
7. Propose new policy 33.2.X to establish the intent and characteristics of Mixed Use Communities Enhancement Overlay.

8. Amend Table 1(b) to reflect additional population within the Intensive Development FLU in the Gateway Planning Community.

II. Proposed Map Amendment

The northernmost 84.5 acres of the subject property are within the Central Urban FLU category and Lehigh Acres Planning Community. This portion of the property is also identified as being within the Lee County Utilities Future Water and Sewer Service Area on Maps 4-A and 4-B as well as a Mixed Use Community on Map 2-D. The current future land use would permit a possible density of 845 dwelling units and is expected to have intense commercial/light industrial development to promote a mix of uses.

A Map Amendment is proposed to place this portion of the property into the Intensive Development FLU Category.

> ***POLICY 1.1.2:*** *The Intensive Development future land use category is located along major arterial roads. By virtue of their location, the County's current development patterns, and the available and potential levels of public services, areas with this designation are suited to accommodate high densities and intensities. Mixed use developments of high-density residential, commercial, limited light industrial, and office uses are encouraged to be developed as described in Objective 11.1, where appropriate. The standard density range is from eight dwelling units per acre (8 du/acre) to fourteen dwelling units per acre (14 du/acre), with a maximum total density of twenty-two dwelling units per acre (22 du/acre). The maximum total density may be increased to thirty dwelling units per acre (30 du/acre) utilizing Greater Pine Island Transfer of Development Units.*

The Property is located adjacent to Immokalee Road (State Road 82) and Daniels Parkway, each classified as arterial roadways. Within the Intensive Development FLU, the Property would yield a maximum of 1,183 dwelling units. Due to the existing capacity of the adjacent roadways, the Property has the opportunity to provide multi-family residential development as desired by the Lehigh Acres Community Planning Area with commercial and light industrial uses that benefit the region as identified by Policy 1.1.2. A concurrent mixed-use planned development is proposed for the subject property which will establish 350,000 square feet of commercial uses and multi-family dwelling units within this portion of the property consistent with the Intensive Development FLU category described by Policy 1.1.2 and the Lehigh Acres Community Planning Area described by Goal 25.

To address the additional population that will be expected within the Intensive Development FLU, an amendment to Table 1(b) is proposed. The concurrent Master Concept Plan shows approximately 14 acres of multi-family development will occur within the Intensive Development FLU. This acreage is proposed to be added to Table 1(b) through a reduction of New Community and Central Urban. These reductions represent an accurate accounting of development that has occurred within the Planning Community due to the build out of the Gateway Community and Timber Creek and can be allocated toward the proposed project. A strikethrough/underline version of Table 1(b) is included in the supporting materials for review.

In addition to the requested Future Land Use Map amendment, other amendments to the Map Series are proposed to achieve consistency with the Text Amendment outlined below. The remaining 1,148.5 acres of the property will continue to be within the Density Reduction Groundwater Resource and Wetlands Future Land Use Categories. To promote a unified development pattern that protects groundwater resources, the following map amendments are also requested.

- Maps 4-A and 4-B: Lee County Utilities Service Area. Extend the service area to include the portion of the property within the DR/GR Future Land Use. Currently the 84.5 acres of the Property within the Central Urban FLU are within the LCU Service Area. The requested map amendment will permit the additional residential proposed by the FLU Map amendment and new policy 33.2.X to be served by central water and sewer service.
- Map 2-D: Southeast DR/GR Residential Overlay. Establish the Mixed Use Enhancement Communities Overlay and apply it to the portion of the property within the Southeast Lee Community Planning Area.
- Map 1-F: Private Recreational Facilities Overlay. Eliminate the Overlay from the portion of the property within the Southeast Lee Community Planning Area.

III. Proposed Text Amendment

A companion text amendment is proposed for the remaining 1,148.5 acres of the property under unified ownership to promote a more contiguous and compact pattern of development than might otherwise result from development without these amendments under the existing land use regulations. Policy 33.2.X of the Lee Plan is being proposed to establish an additional Overlay depicted on Map 2-D to allow for increased density within properties contiguous to and more than 400 feet from an existing Mixed Use Community.

The proposed text amendment includes the preservation and/or restoration of existing wetland and upland habitat to restore flow paths across the property where they previously existed. This proposal will support restoration of the property from two perspectives:

1. Removal of the north/south agricultural road will enable re-establishment of the interconnection of a historic flow pattern from west to east across the property.
2. Restoration of the existing wetlands and adjacent upland habitats will enable interconnection of the existing systems to further promote a historic flow pattern from north to south.

The subject property has been hydrologically divided into east and west sections due to an existing north/south internal farm road that supports the existing agricultural operations. As part of the management of surface water related to the existing and historical agricultural operations, an extensive network of ditches and berms have been constructed on the property leading to the portioning of the existing on-site wetlands. The historical path of surface water across the subject property is bifurcated by the north/south internal farm road and the internal agricultural berm and ditch system. This same internal farm road has been used by the SFWMD to represent the division between the Estero River and Six Mile Cypress watershed basins.

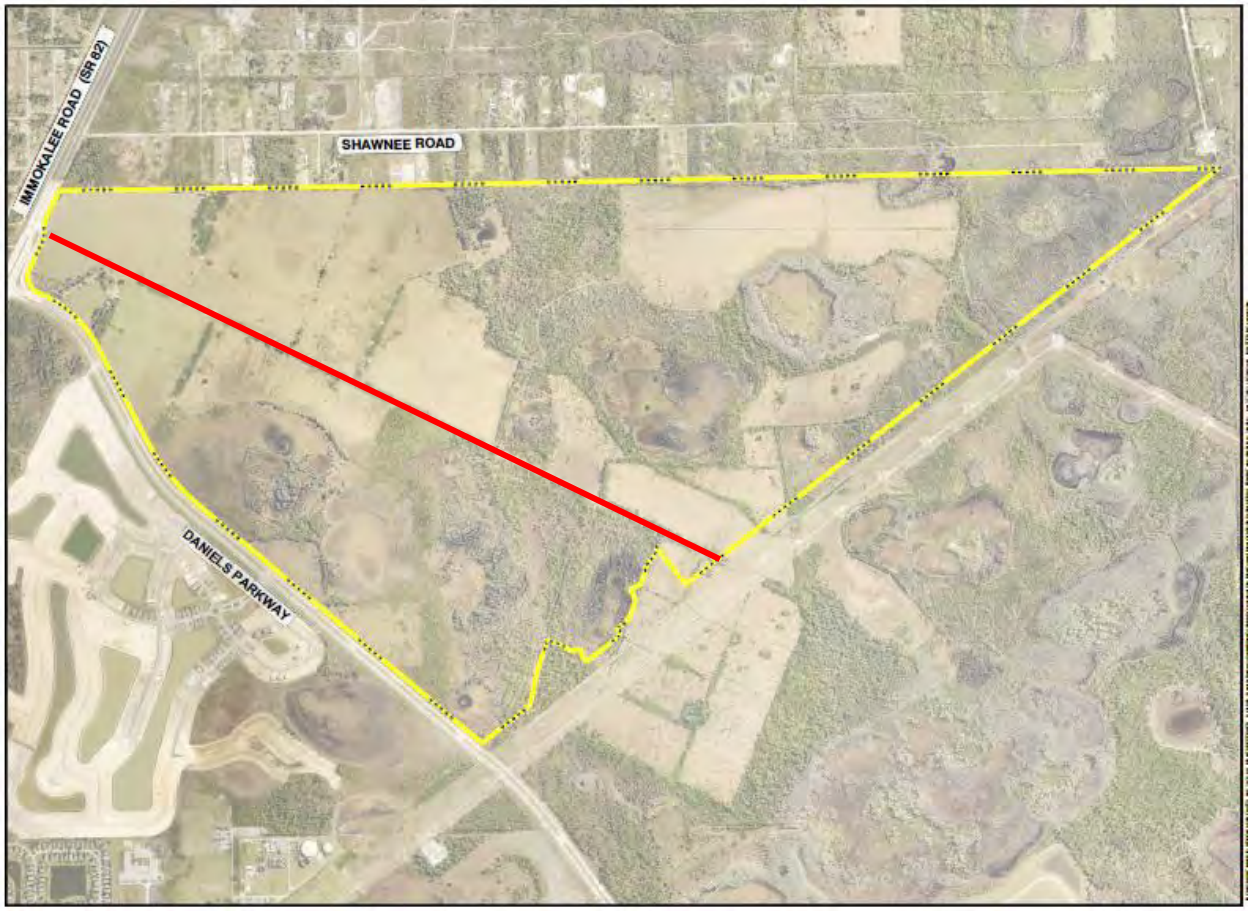

Figure 3. Subject Property with Agricultural Road Highlighted

In recognition of the competing concerns related to wildlife attractants and the proximity of the airport, the proposed restoration of the property does not include the creation of wetland habitats - only replacement of exotics with "like-for-like" native wetland vegetation to restore the areas that have been historically adversely impacted by the construction of berms, exotic infestation, and adjacent agricultural activities. The Master Concept Plan associated with the concurrent planned development application has been updated to reduce the development footprint proposed and attempt to limit the development area to the portions of the property impacted by the existing agricultural activity. As a result of the revised development layout the amount of Rare and Unique upland habitat restored on-site has increased in addition to the previous proposed wetland and upland restoration. Additionally, the Master Concept Plan demonstrates a connection across the existing basin boundary will be provided via a physical infrastructure improvement to the property reducing standing water on-site and wading bird foraging areas to promote increased compatibility with the Southwest Florida International Airport. These improvements promote the appropriate direction and path for surface water as demonstrated by historic mapping rather than continuing to rely on the existing agricultural berm and ditch systems internal to the property and wetland systems.

As a result of the improvements to the native vegetation, surface water connections, and groundwater recharge, the proposed text amendment includes a calculation of incentive density

based on the acreage of preserved and restored wetland and upland habitat. Many of the existing Overlays within the Southeast Lee Community Planning Area provide incentive density for preservation and restoration activities. The proposed text amendment seeks to only calculate density incentives from the 55% of the Property preserved and restored for native habitat.

The companion environmental reports prepared by Passarella and Associates demonstrate the following elements will occur on-site and qualify for incentive density.

- Preservation of 295.80 acres of indigenous wetlands and uplands
- Restoration of 359.60 acres of indigenous wetlands and uplands.
- Backfill 6.90 acres of other surface waters and replant with native vegetation
- Remove 16.8 acres of berms and replant with native vegetation.

The text amendment proposes to provide 1 incentive dwelling unit for each preserved and/or restored acre of wetlands and uplands. This is a reduction from the other existing overlays; which provide incentives based on the entire acreage of the concurrent planned development.

	Acres	**Density**	**Total Units**
Intensive Development	84.5	14 DU/AC	1,183
Preservation & Restoration	676.10	1 DU/AC	676
TOTAL RESIDENTIAL UNITS			**1,859**

Table 2. Proposed Density Calculations

The proposed site design implemented by the Master Concept Plan of the concurrent planned development demonstrates a clustered development pattern increasing the area of preservation and restoration proposed, including the amount of Rare and Unique Upland habitat preserved and restored on-site. As outlined by the Indigenous Preservation and Restoration Management Plan prepared by Passarella and Associates, the proposed development includes 676.10 acres of preservation and restoration. While the available maximum density is 1,859 dwelling units, the concurrent planned development limits the total maximum residential dwelling units to 1,600 dwelling units.

To aid in the evaluation of the proposed development, the text amendment requires the planned development submittal to include an indigenous preservation, restoration and management plan, enhancement lake management plan, plantings compatible with the Port Authority's planting list, and a management plan addressing wildlife on-site. Each of these plans and/or associated conditions are provided with the concurrent planned development application for review and evaluation. The enhanced lake management plan also includes an outline of the initial design methods to increase the shoreline slope of the proposed stormwater management lakes and deviations are requested to provide compatible plantings and/or hardened infrastructure along the shoreline consistent with the FAA vegetation and wildlife guidelines.

IV. Surrounding Properties

The Property is surrounded by a mix of uses in an area of Lee County that has significant residential and airport related development as well as vacant land and preservation areas.

Southwest

Immediately to the southwest of the subject property is a ±485-foot wide FPL easement on lands owned by the Jared Holes Trust which abut county-owned lands servicing Southwest Florida International Airport. The airport occupies a majority of land southeast of Daniels Parkway and the I-75 exchange. According to the Airport Layout Plan, the development of the airport will take place in two phases and is expected to extend into the year 2025. The Airport Layout Plan indicates that, at some point in the future, an expansion will occur for a second runway to be located south of the current runway. In addition, commercial, retail and industrial flex uses are proposed to be added to the airport in the future. Most of these services will be located along the northern boundary of the airport adjacent to Daniels Parkway, with a minor amount located adjacent to the Daniels Preserve center north of Daniels Parkway. As a result of the airport's proximity to the subject property, the existing 10,000' Hazardous Wildlife Buffer around the airport encumbers most of the subject property. Within this area only specifically approved species of vegetation may be utilized and water management lakes must be constructed to specific standards to discourage wildlife and reduce habitat in proximity to the airport.

Northwest

Immediately to the northwest is Daniels Parkway, a controlled access roadway from the segment commencing at US 41 and terminating at SR 82 per Resolution 16-04-08. This designation restricts the number and location of permanent access points along the roadway. The concurrent master concept plan accounts for this designation and aligns the proposed access points of the subject property with the approved access points as demonstrated in Resolution 16-04-08. Further northwest, across Daniels Parkway, is Timber Creek RPD and MPD which is currently under construction. Timber Creek was approved via Resolution #Z-17-019 for up to 1,315 dwelling units within the RPD portion, as well as 50 multi-family dwelling units, 250,000 square feet of commercial floor area, and 150 hotel rooms to be located within the MPD portion of the project.

North

The subject property is bounded to the north by SR 82, a 200-foot wide state-maintained arterial roadway. The SR 82 and Daniels Parkway intersection is the location of Florida's first Continuous Flow Interchange (CFI). Further north of SR 82, is the platted community of Lehigh Acres. A majority of the properties adjacent to SR 82 are zoned for commercial uses but have not been constructed. The remaining portion of Lehigh in this general vicinity is scattered residential development on the existing platted lots.

EXHIBIT B

OF SUPPORTING NARRATIVES

REVISED TEXT AMENDMENT
EXHIBIT – T4

STEARNS WEAVER MILLER
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Daniels Parkway South
Text Amendment
Exhibit T4

June 10, 2022

POLICY 1.6.10: The Southeast Lee County Overlay (Map 2-D) is described in Objective 33.2. Thisese overlay affects only Southeast Lee County and identifies ~~five~~ six types of ~~land~~ communities:

1. "Existing Acreage Subdivisions:" Existing rural residential subdivisions that should be protected from adverse external impacts such as natural resource extraction.
2. "Rural Golf Course Communities:" Potential locations for the concentration of development rights on property zoned Private Recreational Facilities Planned Development and located in the Southeast Density Reduction/Groundwater Resource area.
3. "Mixed-Use Communities:" Locations where this concentration of development rights from large contiguous tracts with the Density Reduction/Groundwater Resource area that can be supplemented by transfer of development rights from non-contiguous tracts in the Southeast Density Reduction/Groundwater Resource area. See Objective 33.32 and following policies.
4. "Mixed Use Enhancement Communities:" Specific properties that preserve and restore natural resources, hydrological connections, and wildlife habitat and concentrate development rights on large tracts adjacent to existing future urban areas and Mixed Use Communities. See Objective 33.2 and following policies.

~~4~~5."Improved Residential Communities:" Property with existing residential approvals that are inconsistent with the Southeast Density Reduction/Groundwater Resource area that could be improved environmentally.

~~5~~6. "Environmental Enhancement and Preservation Communities:" Properties adjacent to Corkscrew and Alico Roads that have the potential to improve and restore important regional hydrological and wildlife connections.

POLICY 5.1.10: In those instances where contiguous land under single ownership is ~~divided~~ int~~o~~ two or more land use categories ~~by the adoption or revision of the Future Land Use Map~~, the allowable density under this Plan will be the sum of the allowable densities for each land use category for each portion of the land. This density can be allocated across the property provided that:

1. The planned development zoning is utilized; and

2. No density is allocated to lands designated as non-urban or Environmentally Critical that would cause the density to exceed that allowed on such areas unless those lands

are within a community described by the Southeast Lee County Overlay in Policy 1.6.10; and

~~3. The land was under single ownership at the time this policy was adopted and is contiguous; in situations where land under single ownership is divided by roadways, railroads, streams (including secondary riparian systems and streams but excluding primary riparian systems and major flow-ways such as the Caloosahatchee River and Six Mile Cypress Slough), or other similar barriers, the land will be deemed contiguous for purposes of this policy; and~~

34. The resultant planned development affords further protection to environmentally sensitive lands if they exist on the property. (Ord. No. 92-35, 00-22, 07-12)

Objective 33.2: RESIDENTIAL AND MIXED-USE DEVELOPMENT. Designate on a Future Land Use Map overlay areas that should be protected from adverse impacts of mining (Existing Acreage Subdivisions), specific locations for concentrating existing development rights on large tracts (Mixed-Use Communities), specific properties which provide opportunities to protect, preserve, and restore strategic regional hydrological and wildlife connections (Environmental Enhancement and Preservation Communities), specific properties that preserve and restore natural resources, hydrological connections and wildlife habitat and concentrate development rights on large tracts (Mixed Use Enhancement Community), and vacant properties with existing residential approvals that are inconsistent with the Density Reduction/Groundwater Resources future land use category (Improved Residential Communities).

POLICY 33.2.2: Map 2-D identifies future locations for Mixed-Use Communities where development rights can be concentrated from large Southeast Lee County tracts into Traditional Neighborhood Developments or other clustered development patterns. The preferred pattern for residential development is to cluster density within Mixed-Use Communities with access to ~~along~~ existing roads ~~and away from Future Limerock Mining areas~~.

1. Southeast Lee County Mixed-Use Communities must be concentrated from contiguous property owned under single ownership or control. Residential density is calculated from the upland and wetland acreage of the entire contiguous Southeast Lee County property. Increases in residential densities may be approved through:
    a. a planned development consistent with Policy 33.2.X.
    b. incentives as specified in the LDC for permanent protection of indigenous native uplands on the contiguous tract (up to one extra dwelling unit allowed for each five acres of preserved or restored indigenous native uplands) and
    c. through the acquisition of TDUs from TDR sending areas within Southeast Lee County as provided in Objective 33.3..
        i. The maximum gross density is 5 dwelling units per acre of total land designated as a Mixed Use Community when TDUs are used.
        ii. Properties that concentrate development rights and/or use TDUs created from Southeast Lee County within the Mixed-Use Communities identified on Map 2-D will be allowed to develop using permitted uses and the property development regulations for the C-2A zoning district.

2. Contiguous property under the same ownership may be developed as part of a Mixed-Use Community provided it does not extend more than 400 feet beyond the perimeter of the Mixed Use Community as designated on Map 2-D. In a Mixed Use Enhancement Community developed as a planned development consistent with Policy 33.2.X, all contiguous property under the same ownership and control at the time of application may be included.
3. Central water and wastewater services are required to develop a Mixed-Use Community.
4. Commercial uses developed as part of a Mixed-Use Community will be consistent with Policy 33.3.5 and will not exceed the allowable total square footage for commercial uses in Southeast Lee County.

[NEW] POLICY 33.2.X: Contiguous property under single ownership or control at the time of the planned development application may be developed as a Mixed Use Enhancement Community provided it is immediately adjacent to a Mixed Use Community on Map 2-D or to an Urban Future Land Use Category and proposes to preserve, and restore surface and groundwater resources and indigenous wildlife habitats on such contiguous property. As an incentive to cluster development and preserve and restore surface and groundwater resources along with wildlife habitat for state and federally listed species additional densities may be granted if:

1. A portion of the property is within the "Mixed Use Enhancement Community" as designated on Map 2-D of the Lee Plan and consistent with the criteria below:
   a) Located adjacent to a Mixed Use Community and Urban Future Land Use Category with direct access to an arterial road.
   b) Proposes to preserve and restore surface and groundwater resources and indigenous wildlife habitats; and
   c) Develops as a planned development.
2. The planned development requires the following:
   a. The Mixed Use Community and adjacent property under unified ownership or control are included in the planned development application.
   b. The Master Concept Plan must demonstrate:
      i. Clustered development pattern proximate to the Mixed Use Community and adjacent arterial roadways that maintains large contiguous tracts of open space and protects environmentally sensitive areas;
      ii. Preservation or restoration of existing wetland and upland habitat, including Rare and Unique Upland habitats, which will be used to:
         1. Restore hydrological connectivity or flow-ways where they are currently or previously existed;
         2. Sustain and help restore existing and historic groundwater levels; or
         3. Preserve, enhance and restore indigenous Rare and Unique upland habitats.
      iii. Indigenous Preservation Areas that:
         1. Are a minimum of 55% of the planned development.
         2. Have an Indigenous Preservation, Restoration and Management Plan addressing:
            a. Preliminary restoration plans, demonstrating minimum dimensions required for indigenous open space areas set forth in the LDC;
            b. Methods for exotic and nuisance plant removal;

c. Wetland hydrological reconnections;
d. Lands identified for the restoration/creation of Rare and Unique Upland habitat containing the soil(s) needed to support the establishment and success of the indigenous Rare and Unique upland habitats;
e. Replanting plans;
f. Management plans with success criteria, monitoring, and maintenance for 5 consecutive years; and
g. Protected species, Airport Wildlife Management, and human-wildlife coexistence plans.

3. Will be platted in separate tracts and dedicated to an appropriate maintenance entity. Prior to the Certificate of Compliance (CC) for the first development order, a Community Development District or master property owners association must be created and accept responsibility for perpetually maintaining preservation areas larger than 300 acres.
4. Will be placed under Conservation Easement dedicated to a maintenance entity that provides Lee County (or other public agency) with third party enforcement rights. Conservation easements must be recorded within 5 years of first development order approval.

c. An enhanced lake management plan including:
   i. Best management practices for fertilizers and pesticides;
   ii. Erosion control and bank stabilization practices; and
   iii. Lake maintenance requirements.
d. A water quality monitoring plan demonstrating that stormwater leaving the development meets state and federal water quality standards.
e. Agricultural irrigation and use of fertilizers (or other agricultural chemicals) for agricultural purposes must cease at the time of first development order approvals.
f. Protection of public wells by demonstrating compliance with the Wellfield Protection Ordinance.
g. Florida Friendly Plantings and/or Lee County Port Authority (LCPA) Compatible Plantings with low irrigation requirements in common elements will be encouraged.
h. Written verification of adequate public services for the planned development from the sheriff, EMS, fire district and Lee County School District.

3. As a result of supporting a Mixed Use Enhancement Community, the recreation of historic flow paths, preservation of natural habitat, and restoration or creation of Rare and Unique Uplands, additional incentive density equal to one (1) dwelling unit per acre of preserved or restored wetland or upland habitat may be approved through planned developments meeting the criteria above.
   a. Additional incentive density will be based upon the acreage of preserved or restored wetland or upland habitat (i.e. all areas within the boundary of the planned development whether uplands or wetlands).
   b. Density from the contiguous Mixed Use Community and Urban Future Land Use Category may be transferred into the area of the Mixed Use Enhancement Community.

EXHIBIT C

OF SUPPORTING NARRATIVES

TABLE 1(B)

Table 1(b) Year 2045 Allocations

	Future Land Use Category	Unincorporated County		Planning District								
				District 1 Northeast Lee County	District 2 Boca Grande	District 3 Bonita	District 4 Fort Myers Shores	District 5 Burnt Store	District 6 Cape Coral	District 7 Captiva	District 8 Fort Myers	District 9 Fort Myers Beach
		Existing	Proposed									
Residential By Future Land Use Category	**Intensive Development**	1,483	1,497	-	-	-	17	-	21	-	238	-
	Central Urban	13,838	13,836	-	-	-	207	-	-	-	230	-
	Urban Community	22,739	22,739	813	453	-	475	-	-	-	-	-
	Suburban	14,913	14,913	-	-	-	1,950	-	-	-	80	-
	Outlying Suburban	3,648	3,648	25	-	-	490	13	3	429	-	-
	Sub-Outlying Suburban	1,731	1,731	-	-	-	330	-	-	-	-	-
	Commercial	-	-	-	-	-	-	-	-	-	-	-
	Industrial	15	15	-	-	-	-	-	-	-	-	-
	Public Facilities	-	-	-	-	-	-	-	-	-	-	-
	University Community	503	503	-	-	-	-	-	-	-	-	-
	Destination Resort Mixed Use Water Dependent	8	8	-	-	-	-	-	-	-	-	-
	Burnt Store Marina Village	2	2	-	-	-	-	2	-	-	-	-
	Industrial Interchange	-	-	-	-	-	-	-	-	-	-	-
	General Interchange	114	114	-	-	-	-	-	-	-	-	-
	General Commercial Interchange	-	-	-	-	-	-	-	-	-	-	-
	Industrial Commercial Interchange	-	-	-	-	-	-	-	-	-	-	-
	University Village Interchange	-	-	-	-	-	-	-	-	-	-	-
	New Community	2,104	2,075	1,115	-	-	-	-	-	-	-	-
	Airport	-	-	-	-	-	-	-	-	-	-	-
	Tradeport	3	3	-	-	-	-	-	-	-	-	-
	Rural	7,764	7,764	2,431	-	-	800	730	-	-	-	-
	Rural Community Preserve	3,517	3,517	-	-	-	-	-	-	-	-	-
	Coastal Rural	1,338	1,338	-	-	-	-	-	-	-	-	-
	Outer Island	233	233	2	4	-	1	-	-	169	-	-
	Open Lands	2,186	2,186	153	-	-	-	257	-	-	-	-
	Density Reduction/ Groundwater Resource	6,974	6,974	131	-	-	-	-	-	-	-	-
	Conservation Lands Upland	-	-	-	-	-	-	-	-	-	-	-
	Wetlands	-	-	-	-	-	-	-	-	-	-	-
	Conservation Lands Wetland	-	-	-	-	-	-	-	-	-	-	-
	Unincorporated County Total Residential	**83,113**	**83,096**	**4,669**	**457**	**-**	**4,270**	**1,002**	**24**	**598**	**548**	**-**
	Commercial	**8,916**	**8,916**	**300**	**53**	**-**	**450**	**27**	**9**	**125**	**150**	**-**
	Industrial	**4,787**	**4,787**	**30**	**3**	**-**	**300**	**10**	**15**	**70**	**315**	**-**
Non Regulatory Allocations												
	Public	**120,211**	**120,228**	**14,191**	**622**	**-**	**4,864**	**7,323**	**6**	**2,340**	**583**	**-**
	Active AG	**21,944**	**21,944**	**5,500**	**-**	**-**	**240**	**90**	**-**	**-**	**-**	**-**
	Passive AG	**13,685**	**13,685**	**5,500**	**-**	**-**	**615**	**100**	**-**	**-**	**-**	**-**
	Conservation	**87,746**	**87,746**	**2,458**	**297**	**-**	**1,163**	**3,186**	**67**	**1,595**	**926**	**-**
	Vacant	**26,118**	**26,118**	**1,145**	**28**	**-**	**733**	**766**	**8**	**103**	**17**	**-**
	Total	**366,520**	**366,520**	**33,793**	**1,460**	**-**	**12,634**	**12,505**	**129**	**4,831**	**2,538**	**-**
	Population Distribution (unincorporated Lee County)	**584,331**	**584,331**	**8,235**	**1,470**	**-**	**35,253**	**2,179**	**152**	**725**	**5,273**	**-**

Table 1(b) Year 2045 Allocations

	Future Land Use Category	Planning District										
		District 10	District 10	District 11	District 12	District 13	District 14	District 15	District 16	District 17	District 18	District 19
		Gateway / Airport		Daniels Parkway	Iona / McGregor	San Carlos	Sanibel	South Fort Myers	Pine Island	Lehigh Acres	Southeast Lee County	North Fort Myers
		Existing	Proposed									
Residential By Future Land Use Category	**Intensive Development**	-	14	-	-	-	-	801	1	30	-	376
	Central Urban	~~25~~	23	-	656	20	-	3,113	-	7,362	-	2,225
	Urban Community	150	150	-	978	1,318	-	863	540	17,034	-	-
	Suburban	-	-	-	2,566	2,069	-	1,202	659	-	-	6,387
	Outlying Suburban	-	-	1,253	438	-	-	-	502	-	-	406
	Sub-Outlying Suburban	227	227	-	-	13	-	-	-	-	-	145
	Commercial	-	-	-	-	-	-	-	-	-	-	-
	Industrial	6	6	-	3	3	-	3	-	-	-	-
	Public Facilities	-	-	-	-	-	-	-	-	-	-	-
	University Community	-	-	-	-	503	-	-	-	-	-	-
	Destination Resort Mixed Use Water Dependent	-	-	-	8	-	-	-	-	-	-	-
	Burnt Store Marina Village	-	-	-	-	-	-	-	-	-	-	-
	Industrial Interchange	-	-	-	-	-	-	-	-	-	-	-
	General Interchange	15	15	58	-	-	-	-	-	-	8	14
	General Commercial Interchange	-	-	-	-	-	-	-	-	-	-	-
	Industrial Commercial Interchange	-	-	-	-	-	-	-	-	-	-	-
	University Village Interchange	-	-	-	-	-	-	-	-	-	-	-
	New Community	~~989~~	960	-	-	-	-	-	-	-	-	-
	Airport	-	-	-	-	-	-	-	-	-	-	-
	Tradeport	3	3	-	-	-	-	-	-	-	-	-
	Rural	-	-	1,573	-	99	-	-	227	14	-	454
	Rural Community Preserve	-	-	-	-	-	-	-	-	-	-	-
	Coastal Rural	-	-	-	-	-	-	-	1,338	-	-	-
	Outer Island	-	-	-	2	-	-	-	55	-	-	-
	Open Lands	-	-	80	-	-	-	-	-	-	-	30
	Density Reduction/ Groundwater Resource	-	-	-	-	-	-	-	-	-	4,742	-
	Conservation Lands Upland	-	-	-	-	-	-	-	-	-	-	-
	Wetlands	-	-	-	-	-	-	-	-	-	-	-
	Conservation Lands Wetland	-	-	-	-	-	-	-	-	-	-	-
	Unincorporated County Total Residential	~~1,415~~	1,398	2,964	4,650	4,024	-	5,982	3,322	24,440	4,750	10,035
	Commercial	1,216	1,216	326	774	938	-	2,012	288	900	118	1,121
	Industrial	2,134	2,134	5	198	387	-	566	67	218	215	244
Non Regulatory Allocations												
	Public	~~9,660~~	9,677	3,214	4,898	6,364	-	5,883	4,831	20,267	17,992	10,117
	Active AG	2	2	5	13	5	-	-	2,780	35	12,000	90
	Passive AG	485	485	10	-	5	-	-	70	50	2,500	250
	Conservation	2,206	2,206	1,677	9,786	2,232	-	211	15,489	1,077	41,028	1,607
	Vacant	88	88	20	55	158	-	4	2,200	14,804	2,400	1,183
	Total	17,205	17,205	8,221	20,374	14,114	-	14,658	29,047	61,791	81,003	24,649
	Population Distribution (unincorporated Lee County)	22,281	22,281	14,322	44,132	54,615	-	76,582	13,431	162,245	17,369	110,722

Table 1(b) Year 2045 Allocations

	Future Land Use Category	District 20 Buckingham	District 21 Estero	District 22 Bashore
Residential By Future Land Use Category	Intensive Development	-	-	-
	Central Urban	-	-	-
	Urban Community	115	-	-
	Suburban	-	-	-
	Outlying Suburban	-	90	-
	Sub-Outlying Suburban	66	-	950
	Commercial	-	-	-
	Industrial	-	-	-
	Public Facilities	-	-	-
	University Community	-	-	-
	Destination Resort Mixed Use Water Dependent	-	-	-
	Burnt Store Marina Village	-	-	-
	Industrial Interchange	-	-	-
	General Interchange	-	-	20
	General Commercial Interchange	-	-	-
	Industrial Commercial Interchange	-	-	-
	University Village Interchange	-	-	-
	New Community	-	-	-
	Airport	-	-	-
	Tradeport	-	-	-
	Rural	50	-	1,387
	Rural Community Preserve	3,517	-	-
	Coastal Rural	-	-	-
	Outer Island	-	-	-
	Open Lands	-	-	1,667
	Density Reduction/ Groundwater Resource	-	-	2,101
	Conservation Lands Upland	-	-	-
	Wetlands	-	-	-
	Conservation Lands Wetland	-	-	-
Unincorporated County Total Residential		**3,748**	**90**	**6,125**
Commercial		**19**	**18**	**72**
Industrial		**4**	**2**	**4**
Non Regulatory Allocations				
Public		**3,052**	**653**	**3,351**
Active AG		**630**	**4**	**550**
Passive AG		**2,000**	**-**	**2,100**
Conservation		**382**	**1,465**	**895**
Vacant		**850**	**130**	**1,425**
Total		**10,684**	**2,362**	**14,523**
Population Distribution (unincorporated Lee County)		**5,951**	**741**	**8,653**

EXHIBIT D

OF SUPPORTING NARRATIVES

LEE PLAN CONSISTENCY ANALYSIS
EXHIBITS – M11 & T6

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Daniels Parkway South
Comprehensive Plan Amendments
Lee Plan Consistency
September 9, 2022

The Daniels Parkway South property, in its entirety, is approximately ±1,233 acres, located near the intersection of SR 82 and Daniels Parkway. 1,148 acres are in the Southeast Lee County community planning area and 84.5 are in the Lehigh Acres community planning area. The property is comprised of three different Future Land Use Categories: Density Reduction/Groundwater Resource, Wetland, and Central Urban. The development patterns that can be promoted by each future land use category are dramatically different. The Central Urban area, which is also within one of the mixed use overlays, can establish a clustered development pattern with higher densities and intensities served by central water and sewer. Only the Central Urban portion of the property is within the Lee County Utilities Future Service Area. Conversely, the DR/GR area can only establish a large lot single family development with well and septic. The pattern of development and use of well and septic conflict with the desire to maintain the quality and quantity of surface and groundwater as envisioned by Lee Plan Policy 1.4.5.

As a result of these dramatically different possibilities for the subject properties if developed independently, a map and text amendment with concurrent planned development are proposed to establish a development strategy and design that promote a comprehensive master plan with unified commercial and residential development that enhances the vision and goals of each community plan, promoting responsible development that could not be achieved under the existing Lee County requirements.

Future Land Use Map Amendment

As part of the requested amendments, the Future Land Use (FLU) category of the 84.5 acre Central Urban portion of the property is proposed to be placed into the Intensive Development FLU.

> ***POLICY 1.1.2:*** *The Intensive Development future land use category is located along major arterial roads. By virtue of their location, the county's current development patterns, and the available and potential levels of public services, areas within this designation are suited to accommodate high densities and intensities. Mixed use developments of high-density residential, commercial, limited light industrial, and office uses are encouraged to be developed as described in Objective 11.1, where appropriate. The standard density range is from eight dwelling units per acre (8 du/acre) to fourteen dwelling units per acre (14 du/acre) with a maximum total density of twenty-two dwelling units per acre (22 du/acre). The maximum total density may be increased to thirty dwelling units per acre (30 du/acre) utilizing Greater Pine Island Transfer of Development Units.*

The Intensive Development FLU portion of the site is within the Lehigh Acres Community Plan area and located adjacent to two arterial roadways that serve as major travel corridors in the County. Daniels Parkway and SR 82 have arterial roadway functional classifications per the Lee County Road Maintenance System and provide access to other major commercial areas and employment centers in greater Lee

County. Daniels Parkway is a major north-south connector for the residents of Lehigh Acres. North of SR 82, Daniels Parkway becomes Gunnery Road, another major arterial in the Lehigh Acres Community. There are limited east-west connectors between Lehigh Acres and other areas in the County where major employers are located.

Lehigh Acres, the largest community planning area in the County, is a 96 square mile historically platted subdivision of mostly quarter- and half-acre residential lots. As a result of this development pattern and its location in east Lee County it serves as a "bedroom" community. Over time, Lee County has engaged in efforts to incentivize commercial and industrial development in central portions of the Lehigh Acres. As a result, community planning efforts have focused on creating mixed use nodes within the community to promote additional areas for commercial and employment services, but with only varying success. Currently, most commercial needs are met through existing commercial development along Lee Boulevard and the previously described commercial just south of the intersection of Lee Boulevard and Homestead Road. Another planning effort to promote additional commercial and employment areas is visibly demonstrated by the Future Land Use Map, where central portions of the community are within the Central Urban FLU and only a small quadrant of Intensive Development exists at the center of Lehigh Acres for an existing commercial plaza.

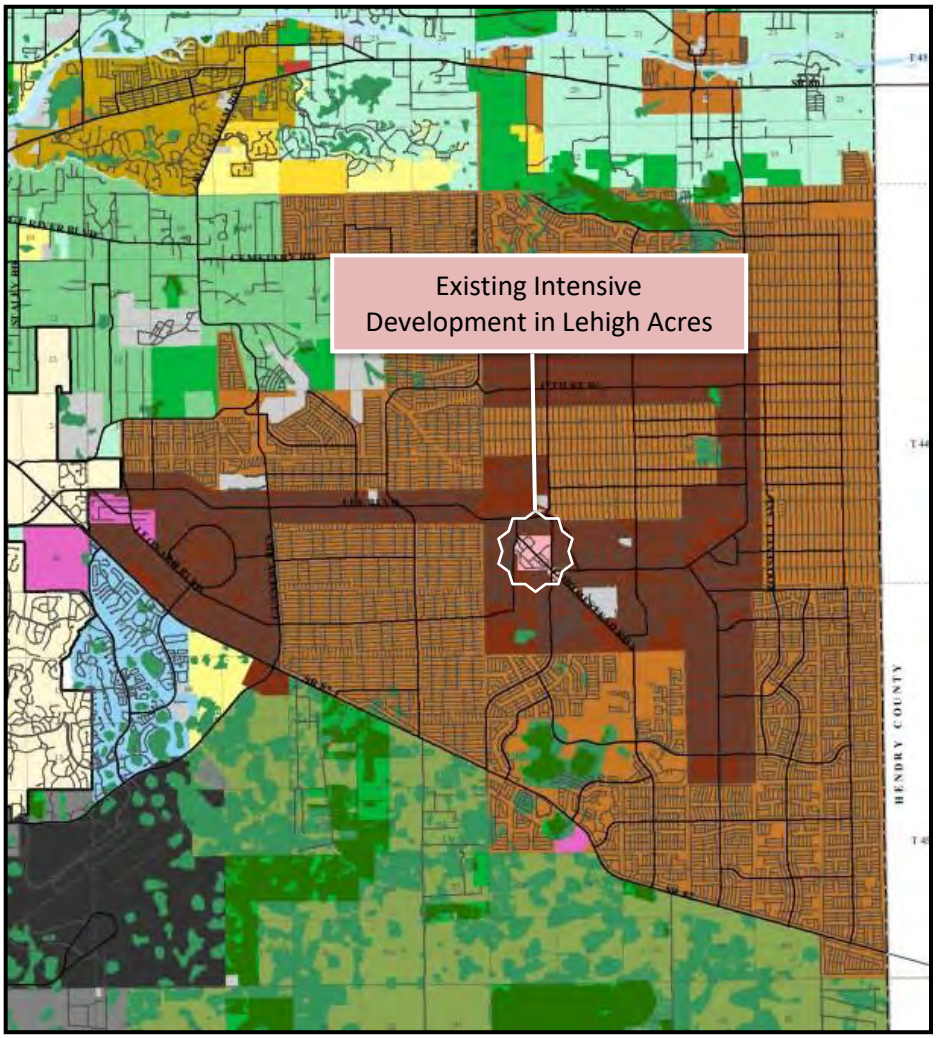

Figure 1. Lehigh Acres Intensive Development FLU

Lee County's recent 2045 Growth Management Update confirms that "the county's future urban areas will be essentially built out by 2045 and to accommodate the population growth an interest in the redevelopment of these areas will continue." This summary is indicative of the area surrounding the existing Intensive Development FLU, which is mostly built out and would require redevelopment to capitalize on the incentives of the underlying future land use. However, due to multiple parcels under separate ownership it is unlikely that redevelopment will occur in the near future. As currently designed and developed, this 162-acre Intensive Development area includes G. Weaver Hipps Elementary School, two commercial plazas, a post office, as well as an assortment of other commercial goods and services. Given the expansive size of Lehigh Acres, this area does not have the mix nor intensity of use to encourage or allow an impactful internal capture within the community plan area.

The requested map amendment to Intensive Development and companion planned development would establish a second significant commercial node with a broad mix of uses that would increase opportunities for services in closer proximity to residents in eastern Lee County.

Text Amendment & Supporting Map Amendments

The remaining 1,148 acres of the subject property is within the DR/GR and Wetlands Future Land Use Category and Southeast Lee Planning Community. The DR/GR is a future land use designation that was assigned to an area spanning approximately 82,560 acres in the southeast portion of Lee County and designated as the Southeast Lee Community Planning Area. The adoption of this land use category was the result of direction from the Department of Economic Opportunity (at the time, Department of Community Affairs) to direct growth to areas where development and infrastructure were already in place as well as to implement a strategy to protect shallow aquifers within this portion of Lee County. The DR/GR future land use category limits residential development to one (1) unit per 10 acres. The Wetlands future land use category, which permeates throughout the DR/GR, limits residential development to one (1) unit per 20 acres.

As part of an evolving regulatory strategy for the Southeast Lee Planning Community, an amendment to the Lee Plan was adopted in 2010 and established Objectives 33.2 and 33.3 with their supporting polices and adopted Map 2-D identifying existing development types within the Southeast Lee Planning Community. Map 2-D and Objective 33.3 identified existing residential areas and concentrated existing development rights on large tracts of land identified as Mixed Use Communities.

Due to the subject property's size and complex land use characteristics, the joint map and text amendment applications together establish the Mixed Use Enhancement Communities Overlay to request the following:

1. Amend Objective 33.2 and Policy 33.2.2 to establish Mixed Use Communities Enhancement Overlay.
2. Propose new Policy 33.2.X to establish the intent and characteristics of Mixed Use Communities Enhancement Overlay.
3. Amend Map 2-D to include 1,148.5 acres of the subject property within the Mixed Use Community Enhancement Overlay.
4. Amend Map 1-F to eliminate the Private Recreation Facilities Overlay from the subject property.

5. Amend Maps 4-A and 4-B to extend Lee County Utilities Service Area over 1,148.5 acres of the subject property
6. Amend Table 1(b) to reflect additional population within the Intensive Development FLU in the Gateway Planning Community.

These proposed amendments will occur at the same time as the amendment to the Future Land Use Map for the 84.5 acres of the Property to be placed in the Intensive Development FLU Category. Together, these amendments will increase the development opportunity on the Central Urban 84.5 acres of the subject property at the SR 82/Daniels Parkway node while leaving 1,148.5 acres within the DR/GR and Wetlands Future Land Use categories. They also establish an Overlay to promote a cohesive development plan for the entire property that enhances the intent and vision of both the Lehigh Acres and Southeast Lee community plans. As written, the Overlay also provides the opportunity to evaluate properties individually for redevelopment to determine, as part of a concurrent planned development, whether the required prerequisites and the proposed development conditions have been met.

POLICY 1.4.5: *The Density Reduction/Groundwater Resource (DR/GR) future land use category includes upland areas that provide substantial recharge to aquifers most suitable for future wellfield development. These areas also are the most favorable locations for physical withdrawal of water from those aquifers. Only minimal public facilities exist or are programmed.*

1. *New land uses in these areas that require rezoning or development order must demonstrate compatibility with maintaining surface and groundwater levels at their historic levels utilizing hydrologic modeling, the incorporation of increased storage capacity, and inclusion of green infrastructure. The modeling must also show that no adverse impacts will result to properties located upstream, downstream, as well as adjacent to the site. Offsite mitigation may be utilized, and may be required, to demonstrate this compatibility. Evidence as to historic levels must be submitted as part of the rezoning application and updated, if necessary as part of the mining development order application.*

2. *Permitted land uses include agriculture, natural resource extraction and related facilities, conservation uses, public and private recreation facilities, and residential uses at a maximum standard density of one dwelling unit per ten acers (1 du/10 acres). See Objectives 33.2 and 33.3 for potential density adjustments resulting from concentration or transfer of development rights.*

3. *Private Recreational Facilities may be permitted in accordance with the site location requirements and design standards, as further defined in Goal 13. No Private Recreational Facilities may occur within the DR/GR land use category without a rezoning to an appropriate planned development category, and compliance with the Private Recreation Facilities performance standards, contained in Goal 13.*

POLICY 1.5.1: *Permitted land uses in Wetlands consist of very low density residential uses and recreational uses that will not adversely affect the ecological functions of wetlands. All development in Wetlands must be consistent with Goal 124. The maximum density is one dwelling unit per twenty acres (1 du/20 acres) except as otherwise provided in Table 1(a) and Chapter XII.*

The proposed amendments will retain these future land use categories for the subject property and utilize an overlay to establish a cohesive development pattern. Consistent with the approved use for the DR/GR future land use category, the proposed planned development demonstrates that only residential units and supporting amenities are proposed outside the Intensive Development FLU. Lee County Utilities has already established the appropriate location for physical withdrawal of water as identified on Lee Plan Map 4-C. The wells providing potable water to Lee County are clustered to the southeast almost 4 miles from the subject property and approximately 4.5 miles northeast from the intersection of SR 82 and Daniels Parkway. The subject property is well outside of the travel zones for these established public water wells.

As further support for the proposed plan amendments, a Drainage Report prepared by Morris-Depew Associates, the Integrated Model Analysis of Daniels South and the Characterization of Ground and Surface Water Resources Reports prepared by Progressive Water Resources are provided as part of the supporting material to the Comprehensive Plan Amendment applications. Combined, the reports clearly demonstrate that the elimination of the existing cattle operation, removal of historic agricultural ditches and berms, and proposed improvements associated with the development of the property will have a positive net hydrological benefit to the DR/GR. The proposed development pattern, outlined by the Master Concept Plan of the concurrent planned development, demonstrates some impacts to the ±532.51 acres of wetlands on-site, so a Jurisdictional Determination has been secured from the South Florida Water Management District memorializing the location of the on-site wetlands and is included in the supporting application materials.

Growth Management

The proposed amendments promote a contiguous and compact growth pattern consistent with the existing residential neighborhoods in the surrounding area, including Lehigh Acres, Timber Creek and the Gateway DRI Communities as desired by Objective 2.1 and 2.2.

> ***GOAL 2: GROWTH MANAGEMENT.*** *To provide for an economically feasible plan which coordinates the location and timing of new development with the provision of infrastructure by government agencies, private utilities, and other sources.*
>
> ***OBJECTIVE 2.1: DEVELOPMENT LOCATION.*** *Contiguous and compact growth patterns will be promoted through the rezoning process to contain urban sprawl, minimize energy costs, conserve land, water, and natural resources, minimize the cost of services, and prevent development patterns where large tracts of land are by-passed in favor of development more distant from services and existing communities.*
>
> ***OBJECTIVE 2.2: DEVELOPMENT TIMING.*** *Direct new growth to those portions of the future urban areas where adequate public facilities exist or are assured and where compact and contiguous development patterns can be created. Development orders and permits (as defined in Section 163.3164(7), F.S.) will be granted only when consistent with the provisions of Sections 163.3202(2)(g) and 163.3180, F.S. and the concurrency requirements in the Land Development Code.*

The property is located along a unique stretch of Daniels Parkway – the *only* property abutting Daniels Parkway with a Non-Urban Future Land Use. As further demonstrated in Figure 2, all other properties

abutting Daniels Parkway are within Future Urban Land Use Categories. The request utilizes the map and text amendments to establish a density (1.3 DU/AC) which is less than the existing surrounding residential developments and provides a transition between these communities and the 2 to 5 acre residential lots to the east and undeveloped lands to the south.

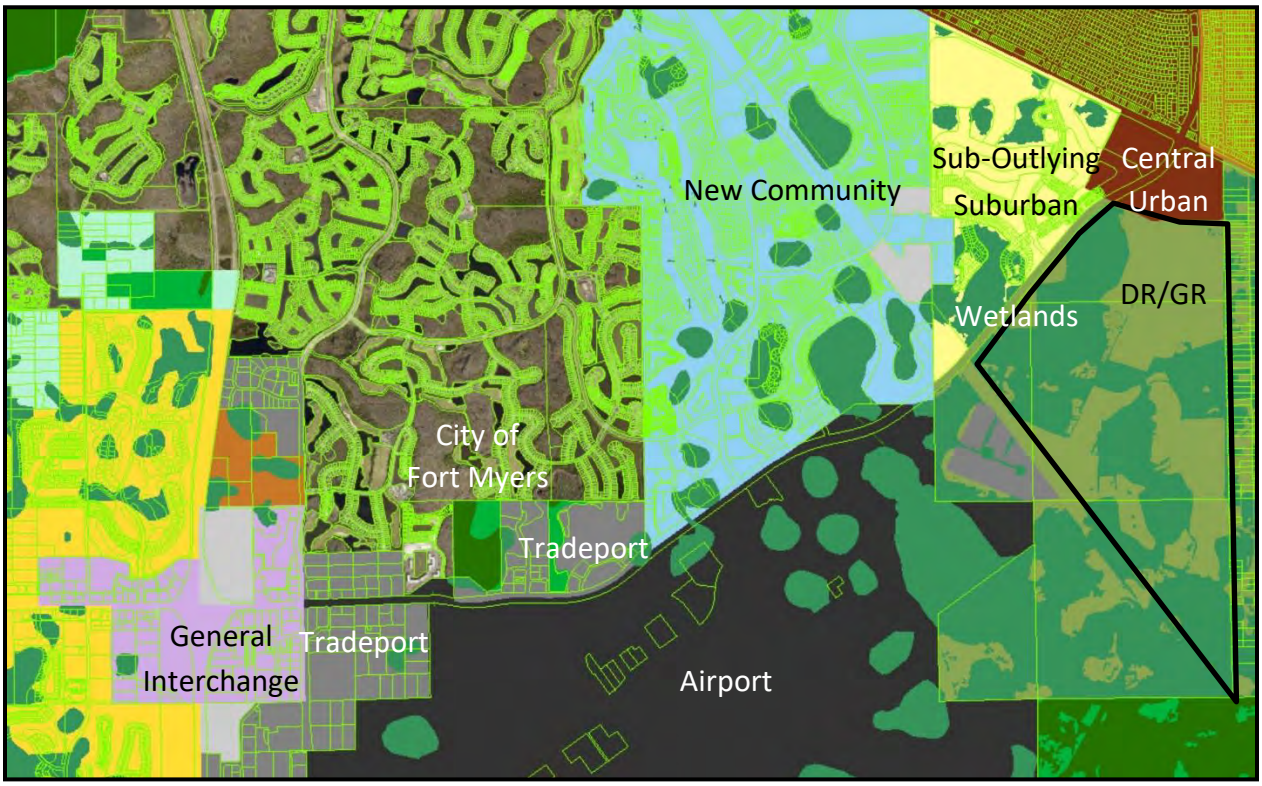

Figure 2. Current FLU Categories Adjacent to Daniels Parkway

Utilizing the proposed text amendment to establish a master planned mixed use enhancement community, the concurrent planned development will cluster the residential density on-site in a pattern that is consistent with the other properties within Urban FLU categories along Daniels Parkway. Additionally, the subject property is within an area of existing urban services as demonstrated by the provided letters of availability, and a map amendment is proposed to include the entire property within the service area for Lee County Utilities to provide central water and sewer service to the proposed development consistent with Standards 4.1.1 and 4.1.2 for potable water and sanitary sewer. Reclaimed water is not currently available in the vicinity, per the Ground and Surface Water report prepared by Progressive Water Resources. Should reclaimed water become available, infrastructure can be extended consistent with Policy 57.1.5. This requested service area expansion will eliminate individual potable water wells and septic systems from being developed on-site and will promote the intent of the DR/GR future land use to protect groundwater resources.

> ***POLICY 2.3.1***: *All proposed changes to the Future Land Use Map in critical areas for future potable water supply (Lehigh Acres as described in Policy 54.1.9; and all land in the Density Reduction/Groundwater Resource land use category) will be subject to a special review by the staff of Lee County. This review will analyze the proposed land uses to determine the short-term and long-term availability of irrigation and domestic water sources, and will assess whether the*

proposed land uses would cause any significant impact on present and future water resources. If the Board of County Commissioners wishes to approve any such changes to the Future Land Use Map, it must make a formal finding that no significant impacts on present or future water resources will result from the change.

POLICY 2.3.2: *Future Land Use Map amendments to the existing DR/GR areas south of SR 82 east of I-75, excluding areas designated by the Port Authority as needed for airport expansion, which increase the current allowable density or intensity of land use will be discouraged by the county. It is Lee County's policy not to approve further urban designations there for the same reasons that supported its 1990 decision to establish this category. In addition to satisfying the requirements in 163 Part II Fla Stat., the Strategic Regional Policy Plan, the State Comprehensive Plan, and all of the criteria in the Lee Plan, applicants seeking such an amendment must:*

1. *analyze the proposed allowable land uses to determine the availability of irrigation and domestic water sources; and,*
2. *identify potential irrigation and domestic water sources, consistent with the Regional Water Supply Plan. Since regional water suppliers cannot obtain permits consistent with the planning time frame of the Lee Plan, water sources do not have to be currently permitted and available, but they must be reasonably capable of being permitted; and,*
3. *present data and analysis that the proposed land uses will not cause any significant harm to present and future public water resources; and,*
4. *supply data and analysis specifically addressing the urban sprawl.*

During the transmittal and adoption process, the Board of County Commissioners must review the application for these analytical requirements and make a finding that the amendment complies with all of them.

The requested amendments do not remove the subject property from the DR/GR FLU which is a category that has been designated "critical for future potable water supply." The subject property is on the northwestern edge of the DR/GR and does not exhibit all of the general characteristics present in the balance of the DR/GR. The property has been disturbed since the late 1940s and continues to be disturbed with agricultural activities, ditches, berms and other alterations that direct and control surface water flow. The subject property has been hydrologically divided into east and west sections due to an existing north/south internal farm road that supports the existing agricultural operations. Additionally, the existing wetlands on-site have been internally bermed, creating artificial partitions and disconnecting sections within the natural system.

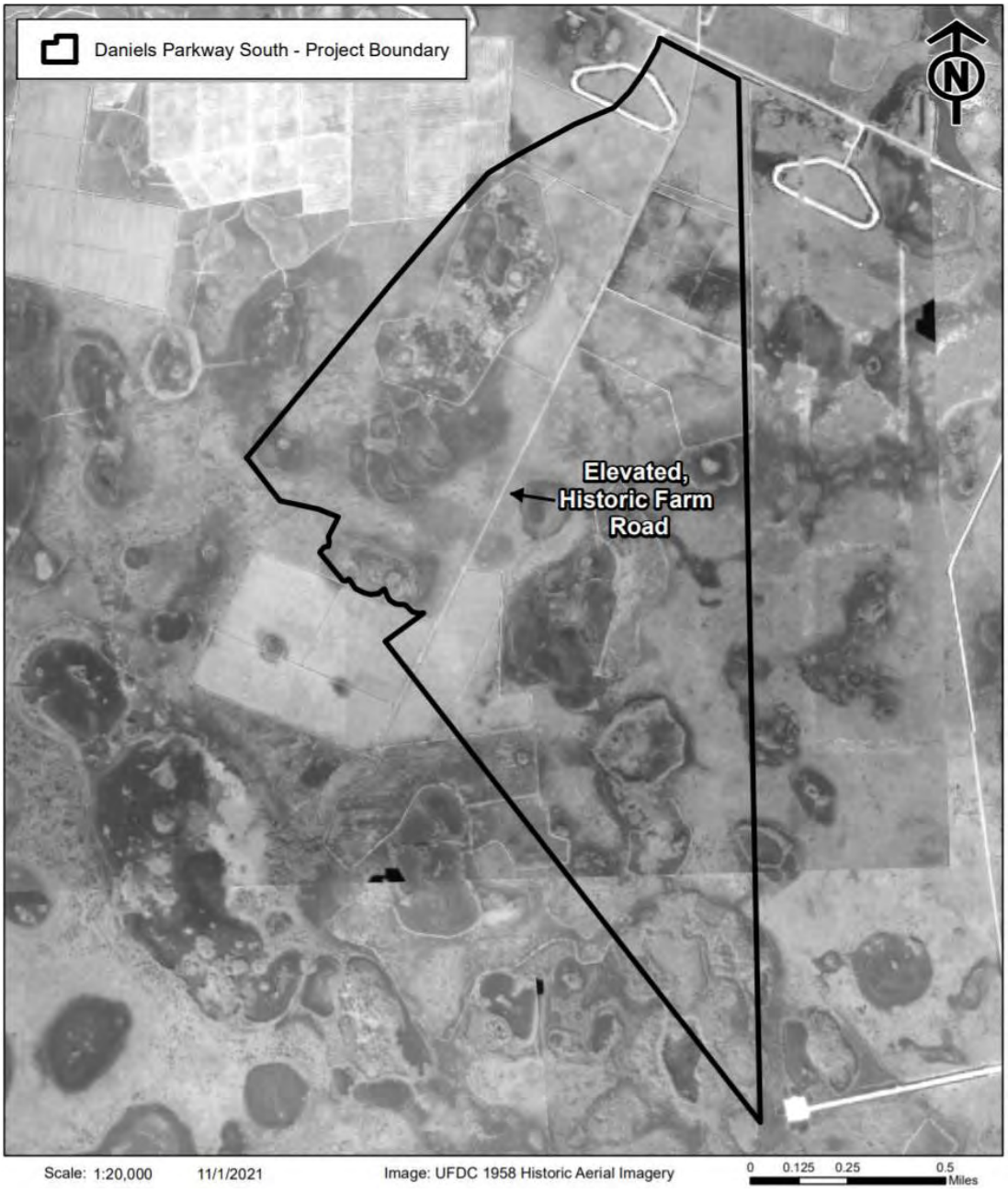

Figure 3. 1958 Aerial of Subject Property with Historic Farm Road

As described in the Characterization of Ground and Surface Water Resources report prepared by Progressive Water Resources, the existing agricultural surface water management system with an extensive network of ditches and berms promotes drainage for the agricultural operations, reducing water table elevations, and subsequently lowering recharge potential. These same features can also negatively impact nearby wetlands, promote growth of exotic and nuisance species, and further negatively impact water resources within the greater DR/GR.

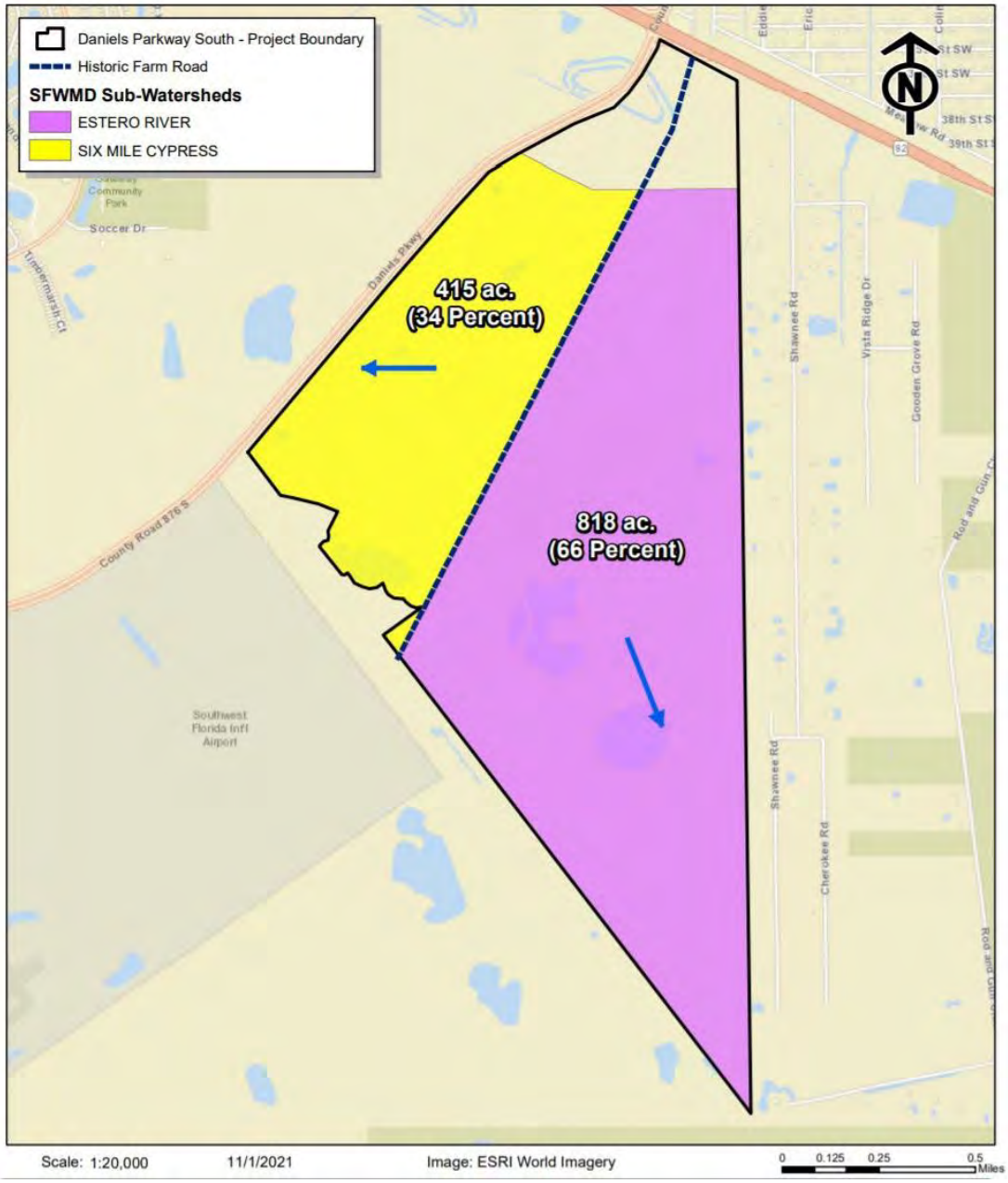

Figure 4. Basin Divide and Subject Property Boundary

The Environmental Assessment provided by Passarella and Associates identifies that the predominate land cover on the property is improved with low pasture areas which occupy 501.4 acres of 40.7% of the subject property. Ditches, berms, and other disturbed lands are 94.29 acres or 7.6% of the property. As a result of these impacts to the natural habitat onsite, the proposed amendments seek to preserve and restore existing wetland and upland habitats to restore flow patterns across the basin divide to generally where they previously existed on-site consistent with Standard 4.1.4.

STANDARD 4.1.4: ENVIRONMENTAL FACTORS

1. *In any case where there exists or there is the probability of environmentally sensitive areas (as identified by Lee County, the Corps of Engineers, Department of Environmental Protection, South Florida Water Management District, or other applicable regulatory agency), the developer/applicant must prepare an environmental assessment that examines the existing conditions, addresses existing or anticipated environmental problems, and proposes means and mechanisms to protect, conserve, or preserve the environmental and natural resources.*
2. *Ensure that land uses and structures are well integrated, properly oriented, and functionally related to the topographic and natural features of the site.*
3. *Ensure development minimizes the need for expansion and construction of street and utility improvements.*

It is important to note that the proposal **will not create** any wetland habitat due to the property's proximity to the Southwest Florida International Airport (SWFIA) and concerns related to wildlife attraction. The 679.10 acres of preservation and restoration proposed includes approximately 295.8 acres of existing indigenous upland and wetland habitat, 383.3 acres of restored upland and wetland habitat and 23.7 acres of backfilling and grading of existing berms and ditches to replant with native vegetation. Approximately 58.1 acres of mature pine flatwoods; which is considered a Rare and Unique upland habitat type are proposed as indigenous upland preservation. The creation of additional wetlands cannot occur on the property due to the proximity to the SWFIA and concerns regarding wildlife attractants. The proposed restoration is predicated upon like-for-like habitat restoration and plantings that are consistent with the Lee County Port Authority's (LCPA) Compatible Native Landscape List. The on-site inspections conducted by Passarella and Associates have identified the types of wetland and upland habitat located on-site. As an examples, areas identified as melaleuca forest to be restored will be replanted with herbaceous vegetation. This will ensure that the restoration activities maintain the overall acreage of wetland and upland habitat on-site but also promote the removal of exotic vegetation and establishment of indigenous plantings. This practice promotes compatibility with the Southwest Florida International Airport and consistency with the regulatory practices of LCPA. Specifics of the proposed restoration are provided in Section 5.0 of the Indigenous Vegetation Preservation Restoration and Management Plan (IPRMP) prepared by Passarella and Associates.

The IPRMP also demonstrates the existing two watershed basins on-site do not currently interconnect via wetland habitat types. As a result, the provided Drainage Report by Morris-Depew Associates and concurrent Master Concept Plan, propose physical infrastructure improvements to the site to interconnect the two watershed basins during periods of high rainfall. While not a natural flowway, the proposed improvements take into account the unique conditions of the property to achieve the overall objective of interconnecting wetlands and re-establishing historic flow patterns across the property as compared to existing conditions consistent with the DR/GR Future Land Use. Historically, under natural ground conditions, surface water would have had the ability to flow across the Property's land features thereby connecting the 2 on-site watersheds during larger rainfall events. The man-made hydraulic improvement will implement this natural connection by providing the opportunity for surface water to flow across the basin divide during high run off rainfall events. The control structure for the man-made hydraulic improvement is set at an elevation that is above the wet season water table ensuring wetland surface elevations do not decrease from existing conditions.

Some impacts are proposed to the existing on-site wetlands as demonstrated by the concurrent Master Concept Plan; however a Jurisdictional Determination has been secured from the South Florida Water Management District to address these impacts.

Mixed Use Development

A concurrent mixed use planned development has been submitted for the entire property. The companion schedule of uses demonstrates residential, commercial and light industrial consistent with Policy 11.1; which encourages all three uses within developments in the Intensive Development FLU. The residential density of the property will be calculated from the entire project area consistent with the map amendment to Intensive Development FLU and the proposed amendment to establish and place the property within the Mixed Use Community Enhancement Overlay. Based on the proposed text amendment and Indigenous Preservation Restoration Management Plan, the property is eligible for a theoretical maximum of 1,859 dwelling units. However, the concurrent planned development will limit the residential density to 1,600 units consistent with Policies 11.1.1 and 11.1.2.

> ***POLICY 11.1.1:*** *Developments located within the Intensive Development, Central Urban or Urban Community future land use categories that have existing connectivity or can demonstrate that connectivity may be related to adjacent neighborhoods are strongly encouraged to be developed with two or more of the following uses: residential, commercial (including office), and light industrial (including research and development use).*
>
> ***POLICY 11.1.2:*** *Residential densities may be calculated from the entire project area when the development is consistent with the following:*
>
> - *At least three uses are proposed and must include residential, commercial (including office) and light industrial (including research and development use).*
> - *The development is located in the Intensive Development, Central Urban or Urban Community future land use categories.*

Additionally, the proposed text amendment includes Policy 5.1.10 which further supports the Mixed Use Communities Enhancement Overlay summing of density across the entire property.

> ***POLICY 5.1.10:*** *In those instances where <u>contiguous</u> land use single ownership is ~~divided~~ int~~o~~ two or more land use categories ~~by the adoption or revision of the Future Land Use Map~~, the allowable density under this Plan will be the sum of the allowable densities for each land use category for each portion of the land. This density can be allocated across the property provided that:*
>
> 1. *The planned development zoning is utilized; and*
> 2. *No density is allocated to lands designated as non-urban or Environmentally Critical that would cause the density to exceed that allowed on such areas <u>unless those lands are within a community described by the Southeast Lee County Overlay in Policy 1.6.10</u>; and*

~~*3. The land was under single ownership at the time this policy was adopted and is contiguous; in situations where land under single ownership is divided by roadways, railroads, streams (including secondary riprarian systems and streams but excluding primary riparian systems and major flowways such as the Caloosahatchee river and Six Mile Cypress lough), or other similar barriers, the land will be deemed contiguous for purposes of this policy; and*~~

3.4. The resultant planned development affords further protection to environmentally sensitive lands if they exist on the property.

The Master Concept Plan submitted with the companion planned development demonstrates the portion of the property subject to the Intensive Development FLU Map Amendment will support residential, commercial and light industrial uses. The portion of the property subject to the Mixed Use Community Enhancement Overlay will support residential development. The proposed text amendment will enable the density to be allocated in total across the multiple future land use categories across the property to support the requested development. As a result of the proposed uses the development of the subject property will also be consistent with Goals 5 and 6 for Residential and Commercial land uses.

The resulting development will be located in an area with supporting urban services, access to two arterial roadways and provide variety in the type of housing as well as commercial and light industrial uses consistent with Goal 5 Residential and Goal 6 Commercial. The requested 1,600 dwelling units and 350,000 square feet of commercial meet the threshold requirements for the Development of County Impact and require a planned development rezoning. A concurrent mixed use planned development has been submitted with the requested comprehensive plan amendments consistent with Policies 5.1.1 and 6.1.3.

In consideration of the property's location near the Southwest Florida International Airport, the Master Concept Plan demonstrates the proposed development has been clustered away from the airport property in consideration of Policy 5.1.2.

> ***POLICY 5.1.2:*** *Prohibit residential development where physical constraints or hazards exist, or require the density and design to be adjusted accordingly. Such constraints or hazards include but are not limited to flood, storm, or hurricane hazards; unstable soils or geologic conditions; environmental limitation; aircraft noise; or other characteristics that may endanger the residential community.*

The concurrent Planned Development includes a detailed Master Concept Plan that identifies the various land use restrictions related to the Southwest Florida International Airport (SWFIA). These restrictions have been taken into account with the Schedule of Deviations, Property Development Regulations, Schedule of Uses as well as the layout of the development footprint. Of particular note are the Airport Noise Zones and 10,000 foot Wildlife Buffer. Since the initial submittal of the planned development, the proposed area for residential development has been significantly reduced, no residential lots occur in Noise Zone B, and several deviations are requested to promote compatibility with the lake bank slope construction and littoral plantings due to the proximity of the airport. Consistent with the requirements of the Land Development Code, we acknowledge the property's proximity to the SWFIA and a disclosure will be provided on all plats and association documents. Finally, the applicant has drafted and submitted Proposed Conditions as part of the planned development requiring landscape plans at the time of

Development Order to reflect 100% native vegetation and compliance with the Lee County Port Authority recommended planting list and outlining additional best management practices to be considered during construction to address site related improvements and residential construction. Given the commitments the applicant has made to continue to work with the Lee County Port Authority, notice future property owners, and inform the County and LCPA of construction standards, the project is consistent with Policy 5.1.2.

Goal 5 requires sufficient land to be provided in appropriate locations on the Future Land Use Map to accommodate the projected population of Lee County. The requested plan amendment and concurrent planned development allow a suburban level of density consistent with the existing surrounding residential developments as well as the provisions of Policy 5.1.1. Additionally, no residential development is proposed within an area which is deemed a hazard or physically constraining – the residences proposed are to be located outside of Airport Noise Zone B consistent with Policies 5.1.2 and 5.1.4.

The portion of the property proposed for Intensive Development will support 350,000 square feet of commercial uses and a multi-family unit type as part of the proposed mixed use planned development. This portion of the property is within the Lehigh Acres community Planning Area and is identified for intense community supporting commercial uses and has access to all urban services consistent with Policies 6.1.4 and 6.1.7. Locating these proposed uses at the intersection of Daniels Parkway and SR 82 will promote internal capture for the future residences of the proposed development as well as walkable services to the existing and future residential use of the surrounding area including the communities of Gateway, Timber Creek, and Lehigh Acres. Providing commercial uses in a location east of I-75 within Lehigh Acres will reduce vehicular trips heading west past I-75 for goods and services consistent with Policy 6.1.5.

Lehigh Acres Community Plan

The Lehigh Acres Community Plan is outlined by Goal 25 in the Lee Plan; establishing the future vision for the entire community of Lehigh Acres, including 84.5 acres of the subject property as identified on Lee Plan Map 1-A. The amendment to Intensive Development is consistent with the future vision of Lehigh Acres and the property's location within a Specialized Mixed Use Node. The concurrent Mixed Use Planned Development will demonstrate the 350,000 square feet of commercial uses and multi-family residential product to be located within this area further fostering the development of a vibrant commercial area consistent with Goal 25.

> ***GOAL 25:*** *LEHIGH ACRES COMMUNITY PLAN. Ensure that continued development and redevelopment converts this largely single use, antiquated pre-platted area into a vibrant residential and commercial community consisting of: safe and secure single family and multi-family neighborhoods; vibrant commercial and employment centers; pedestrian friendly mixed use activity centers and neighborhood nodes; and, adequate green space and recreational opportunities.*
>
> ***OBJECTIVE 25.1:*** *SPECIALIZED MIXED USE NODES. To create mixed use nodes that contribute the uses needed to support the Lehigh Acres Community Plan area shown on Map 1, Page 7.*

> ***POLICY 25.1.2:*** *New development and redevelopment are encouraged to integrate a mixture of at least two or more varied uses, such as retail, office, residential, or public. All developments within the Specialized Mixed Use Nodes must be consistent with Table 1(c).*
>
> ***POLICY 25.1.3:*** *In order to promote a sustainable urban form, these areas are expected to develop at the higher end of the density and intensity ranges, including bonus density.*
>
> ***POLICY 25.1.4:*** *Developments in these areas are encouraged to share required features such as parking, stormwater detention and management areas, open space and other civic areas.*
>
> ***POLICY 25.1.8:*** *Establish comprehensive stormwater management areas within the Specialized Mixed Use Nodes to achieve an efficient use of property.*

The Intensive Development FLU and the Lehigh Acres portion of the property also coincide with the Specialized Mixed Use node that has been designated for the property. The companion Master Concept Plan demonstrates a higher concentration of both density and intensity within the node consistent with Policies 25.1.2 and 25.1.3. The conceptual plan will also demonstrate shared features such as unified parking, stormwater management areas, and open space which is consistent with policies 25.1.4 and 25.1.8. The provision of unified stormwater management is also demonstrated by the provided Drainage Report prepared by Morris-Depew Associates. The Master Drainage Plan included in Appendix 1 of the Drainage Report demonstrates Lakes 1, 2, and 3 within the Lehigh Acres Community Planning Area will be interconnected with the larger system in the Southeast Lee Community Planning Area. The conclusions of the Drainage Report confirm that the proposed project "will attenuate the 25-year, 3-day rainfall event within the proposed onsite water management system and reduce peak runoff discharge rates from the project limits." As a result of reducing the peak runoff rate, downstream properties will receive surface water flow at a slower rate reducing the potential of flood conditions and demonstrating consistency with the DR/GR Future Land Use and the Lehigh Acres Community Planning Area.

The Lehigh Acres Plan further breaks down the mixed use nodes into types. The 84.5 acres of the subject property is within a Community Mixed Use Activity Center demonstrated on Lee Plan Map 2-B and outlined by Objective 25.3 and its supporting policies.

> ***OBJECTIVE 25.3:*** *COMMUNITY MIXED USE ACTIVITY CENTERS. To provide the uses needed to support all of the Lehigh Acres Community Plan area including: residential; public and private education; live-work; retail; office; medical; entertainment; light industrial; commercial/public parking; parks; and, other civic uses.*
>
> ***POLICY 25.3.1:*** *Identify those areas within Lehigh Acres that have sufficient vacant or undeveloped land to accommodate the community-scale development that will balance the land uses and provide opportunities to diversify the economic base of the community.*
>
> ***POLICY 25.3.2:*** *Future developments that provide employment opportunities mixed with facilities offering goods and services that support the wider community are encouraged.*

The area will feature a mixture of commercial uses which are identified in the companion Schedule of Uses which furthers the intent of Objective 25.3. Additionally, the subject area is one of only a handful of large properties in Lehigh Acres with a sole entity for owner; and therefore one of the few areas able to

accommodate community-scale development that will diversify the community's economic base consistent with Policies 25.3.1. and 25.3.2.

> ***OBJECTIVE 25.8:*** *TRANSPORTATION, PARKING, AND TRAFFIC CIRCULATION. To improve transportation, parking, and circulation within the Lehigh Acres Community Plan area.*
>
> ***POLICY 25.8.2:*** *All connections to SR 82 must be consistent with the Florida Department of Transportation Corridor Access Management Plan for SR 82.*
>
> ***POLICY 25.8.7:*** *New single-family model homes are prohibited within 300 feet of arterial and collector roads.*

The concurrent planned development demonstrates consistency with the transportation policies of the Lehigh Acres Community Plan outlined by Objective 25.8 and its supporting policies. The Master Concept Plan (MCP) features a concentration of commercial uses at the intersection of SR 82 and Daniels Parkway significantly reducing the need for residents of the surrounding area to travel further west to meet their commercial needs. No access to SR 82 is proposed. Connections to Daniels Parkway are consistent with the Corridor Access Management Plan. Therefore the proposed site design is consistent with Policy 25.8.2. The proposed MCP also demonstrates no single family residential within the Lehigh community ensuring consistency with Policy 25.8.7.

> ***OBJECTIVE 25.9:*** *SEWER AND WATER. Expedite the staged extension of water and sewer systems, connect lots previously served by on-site septic and wells, and discourage additional development that is reliant upon on-site well and septic systems.*
>
> ***POLICY 25.9.2:*** *Direct new development and redevelopment in Lehigh Acres to areas that can be reasonably expected to receive urban services and infrastructure during the planning horizon.*

The 84 acres of the subject property within Lehigh Acres is already within the Lee County Utilities Service Area for central water and sewer service consistent with Objective 25.9 and 25.9.2. The proposed map amendments include a request to extend this service area to the remainder of the property to establish the entire future community on central water and sanitary sewer service.

> ***POLICY 25.10.1:*** *Lee County will encourage on-site preservation of indigenous plant communities and listed species habitat. Any required mitigation will be of similar habitat, and provided, whenever possible, within the Lehigh Acres Community Plan area. Development must also be consistent with Goal 77 and Objective 77.3.*

The portion of the property within Lehigh Acres has been cleared and utilized for agricultural activities. The Protected Species Survey submitted with the concurrent planned development demonstrates the northern portion of the property is disturbed lands, ditches, berms and cow pond. Therefore there are no on-site indigenous plant communities or listed species habitat on-site within the Lehigh Acres Community Planning Area to preserve. However, there are indigenous plant communities and listed species habitat within the Southeast Lee Community Planning Area, of which 55% is proposed to be preserved and restored. The restoration activities proposed will promote flow of surface water while also addressing historical impacts associated with decades of historical agricultural ditching and draining. The Master Concept Plan for the concurrent planned development does commit to providing 10% open space at the

time of local development order within the Lehigh Acres Community Planning Area ensuring consistency with Goal 77 and Objective 77.3.

Southeast Lee County Community Planning Area

The remaining 1,148 acres of the subject property are within the Southeast Lee County community planning area as identified on Lee Plan Map 1 Page 2 and described in Goal 33. A text amendment is proposed to this community plan to establish the Mixed Use Communities Enhancement Overlay which will support the residential development and hydrological/ecological restoration proposed for the property.

> ***GOAL 33: SOUTHEAST LEE COUNTY.*** *Protect Southeast Lee County's natural resources through public and private acquisition and restoration efforts. Development incentives will be utilized as a mechanism to preserve, enhance, and protect natural resources, such as regional flow-ways and natural habitat corridors in the development of privately owned land. Allowable land uses will include conservation, agriculture, public facilities, low density or clustered residential, natural resource extraction operations, and private recreation facilities; allowable land uses must be compatible with protecting Southeast Lee County's environment.*
>
> ***OBJECTIVE 33.1:*** *WATER, HABITAT, AND OTHER NATURAL RESOURCES. Protect and restore natural resources within Southeast Lee County including, but not limited to, surface and groundwater, wetlands, and wildlife habitat.*
>
> ***POLICY 33.1.1:*** *Large-scale ecosystem integrity in Southeast Lee County should be maintained and restored. Protection and/or restoration of land is of even higher value when it connects existing corridors and conservation areas. Restoration is also highly desirable when it can be achieved in conjunction with other uses on privately owned land including agriculture.*

The requested amendments seek to establish an Overlay that promotes a cohesive development plan for the entire property that enhances the intent and vision of both the Lehigh Acres and Southeast Lee community plans. Policy 33.2.X of the Lee Plan is being proposed to allow for increased density within properties contiguous to a Mixed Use Community as identified on Map 2-D. A companion amendment is proposed to Map 2-D to extend the existing Mixed Use Community more than 400 feet across the subject property and identify the area as subject to the Mixed Use Community Enhancement Overlay established by the proposed new policy. Together the proposed new policy and amendment to Map 2-D will ensure the development within the Enhancement Overlay complies with the identified design and application criteria as part of the concurrent planned development application. A total of 1,600 dwelling units are proposed on the entire property per the concurrent planned development. Additional dwelling units are proposed as incentives to be achieved related to the preserved and restored on-site wetlands and uplands. The proposed policy includes additional design criteria to promote the private preservation of native habitat and restoration of historic flow patterns within properties requesting the overlay demonstrating consistency with Goal 33, Objective 33.1 and Policy 33.1.1.

> ***POLICY 33.1.4:*** *Restoration of critical lands in Southeast Lee County is a long-term program that will progress in phases based on available funding, land ownership, and natural resource priority. On individual sites, restoration can be carried out in stages:*

1. *Initial restoration efforts would include techniques such as filling agricultural ditches and/or established control structures to restore the historic water levels as much as possible without adversely impacting nearby properties.*
2. *Future restoration efforts would include the eradication of invasive exotic vegetation and the reestablishment of appropriate native ecosystems based upon the restored hydrology.*

The subject property is not located within the DR/GR Priority Restoration Overlay; however it is the northernmost location of the Southeast Lee County Community Planning Area. The proposed text amendment includes requirements for the planned development which will promote restoration of private property that includes removal of agricultural ditches and berms to match adjacent grade, removal of exotic vegetation and planting of native vegetation, interconnection of on-site wetlands across watershed basins, and improvement of groundwater recharge on the subject property consistent with Policy 33.1.4. An Indigenous Preservation and Restoration Management Plan (IPRMP) has been provided by Passarella and Associates outlining the activities to occur and the acreage to be restored. As demonstrated by the FLUCCS included in the IPRMP there are no indigenous habitat or wetland connections across the internal farm road that identifies the watershed basin divide.

Due to the property's proximity to the SWFIA the creation of wetland habitat cannot occur to provide a wetland interconnection. As a result, the provided Drainage Report prepared by Morris-Depew Associates and concurrent Master Concept Plan, propose a physical infrastructure improvement to interconnect the two watershed basins during periods of high rainfall. This physical connection will interconnect two short hydroperiod wetland habitat types (i.e., hydric pine and mixed wetland hardwoods) and therefore connection will only occur during peak wetland water levels or after large storm events. When combined with the proposed removal of the existing agricultural berms and filling of the agricultural ditches on-site to match existing grade (outlined in Section 5.0 of the IPRMP), these activities will maintain existing water levels and eliminate exotic vegetation while achieving the objective of interconnecting wetlands, re-establishing historic flow patterns and improving water flow off-site consistent with Policy 33.1.4

> ***POLICY 33.1.7:*** *Impacts of proposed land disturbances on surface and groundwater resources will be analyzed using integrated surface and groundwater models that utilize site-specific data to assess potential adverse impacts on water resources and natural systems within Southeast Lee County. Lee County Division of Natural Resources will determine if the appropriate model or models are being utilized, and assess the design and outputs of the modeling to ensure protection of Lee County's natural resources.*

The applicant acknowledges this policy. A report entitled Characterization of Ground and Surface Water Resources provided by Progressive Water Resources provides an initial overview of the surface and ground water resources in the general area. A Drainage Report prepared by Morris-Depew Associates with Appendix L an Integrated Model Analysis prepared by Progressive Water Resources provides a detailed analysis of the surface and groundwater conditions of the existing and proposed development demonstrating no adverse impacts on water resources and natural systems. The provided Drainage Report by Morris-Depew Associates and concurrent Master Concept Plan, propose physical infrastructure improvements to the site to interconnect the two watershed basins during periods of high rainfall. The main objective of the hydrologic restoration, including the physical connection across the watershed basins, is to facilitate the north to south flow of water that existing historically while maintaining the existing wetland hydroperiods.

The proposed master drainage plan as outlined by the Drainage Report, interconnects the proposed surface water management lakes, which have a total surface area of 117 acres. The lakes within the SWFIA 10,000 hazardous wildlife buffer are proposed to have hardened 4:1 shorelines in order to minimize wildlife attractants. These lakes will be interconnected with lakes outside the 10,000-foot hazardous wildlife buffer to provide water quality treatment. The lake elevations within the stormwater management system are designed to match or exceed the existing wet season water elevations (WSWE). As outlined by the Integrated Model Analysis prepared by Progressive Water Resources, the proposed site design demonstrates a beneficial increase in recharge to the underlying Water Table Aquifer, as compared to existing conditions. The additional stormwater management will enhance water resources by providing a net benefit to groundwater recharge consistent with the DR/GR Future Land Use and Policy 33.1.7.

In addition to the developments surface water management system, a 24-inch piped connection is proposed to restore the historic interaction between the 2 on-site watershed basins. This buried connection is specifically designed to eliminate wildlife attractants. On the west side of the property (Six Mile Cypress Watershed) a water control structure, i.e., weir, will be constructed on the upstream side of the 24" buried pipe in order to selectively convey stormwater towards the Estero River Watershed during high rainfall events. High rainfall events, for purposes of this application, are defined as those in excess of a 10-year, 1-day storm. The Drainage Report prepared by Morris-Depew Associates includes multiple scenarios to demonstrate the existing and proposed conditions expected. Specifically, 4 design storms are provided:

- 2.33-year, 1-day
- 10-year, 1 day
- 25-year, 3-day
- 100-year, 3-day

These design storms demonstrate the man-made hydraulic connection proposed to interconnect the existing 2 on-site watershed basis will only occur during high rainfall events. A control structure wier is proposed and is set at an elevation above the Wet Season Water Table (WSWT) to ensure drawdown does not occur in nearby wetland habitat and prevent surface water discharging to the west (Six Mile Cypress basin) during low rainfall events. Note that the water elevation of the Six Mile Cypress Basin is slightly higher than the Estero Basin, again ensuring the flow of surface water only occurs during high rainfall events.

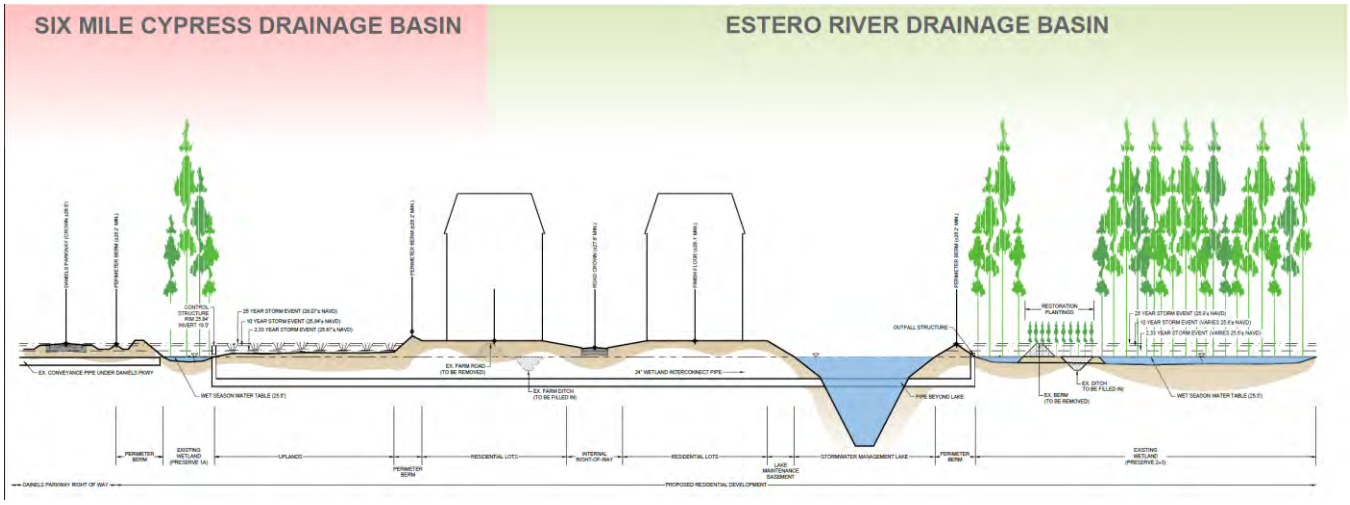

Figure 5. Typical Cross-Section for Man-man Hydraulic Connection

The proposed design accomplishes a several important objectives:

- Sets the control structure weir at an elevation that ensures that surrounding wetland areas do not experience adverse drawdown.
- Addresses varying wet season elevations within the on-site wetlands
- Prevents surface water from discharging into the Six Mile Cypress during low rain fall events.
- Connects the watersheds during high rainfall events to interconnect the on-site wetlands and re-establish historic flow patterns across the property.
- Controls the flow of surface water across the property to ensure that no adverse impacts to adjacent properties occurs.

While not a natural flowway, the proposed improvements take into account the unique conditions of the property necessary to achieve the overall objective of interconnecting wetlands, re-establishing historic flow patterns, while ensuring that no adverse impacts to adjacent properties will occur, as compared to existing conditions consistent with the DR/GR Future Land Use and Policy 33.1.7.

> ***POLICY 33.2.1:*** *Existing acreage subdivisions are shown on Map 2-D. These subdivisions should be protected from adverse external impacts.*

The Enhanced Lake Management Plan prepared by Progressive Water Resources demonstrates that the proposed development will position the proposed Sandstone Aquifer irrigation wells to prevent adverse impacts to the existing residential wells to the north. A Sandstone Aquifer monitoring well has been installed across Daniels Parkway on the Timber Creek property and the applicant has agreed to a second monitoring well on the Daniels South property. Groundwater level readings will be taken from each well. When combined with the existing USGS Sandstone Monitoring well L-729, Lee County will have significant data to monitor groundwater levels and ensure the proposed development has no negative and adverse impacts to the existing subdivisions relying upon wells.

The existing monitoring of the Sandstone Aquifer at Timber Creek demonstrating groundwater elevation levels are increasing with the onset of the rainy season. Therefore, while Sandstone Aquifer groundwater levels in certain areas of Lee County have been impacted due to overextraction, the area in which the subject property is located appears to have significantly better water resource conditions.

Is it important to also note that the nearest irrigation well is approximately 3,000 feet (0.6 miles) from Lehigh Acres. Additionally, the irrigation system is proposed to combine the use of surface and groundwater sources to reduce overall reliance on groundwater supplies, consistent with Policy 33.2.1. As a result of this design, the overall use of groundwater is anticipated to be greatly reduced, and at times intermittent to nonexistent, since the primary source of irrigation supplies is stormwater. The irrigation demands used in a groundwater modeling analysis performed by Progressive Water Resources (PWR) were based on a 1-in-10 drought frequency, i.e., drought conditions and assumes zero surface water quantities being derived from the project's stormwater wet detention lakes, a condition considered virtually impossible since it is predicated upon the wet detention lakes being completely empty for a duration of 90 days; these assumptions are considered highly conservative. Despite these conservative assumptions, the modeling indicates that the maximum month (dry season) drawdown from the operation of the irrigation running continuously for 90-days, with no recharge, is less than 1 foot at the project's eastern property boundary. As a result, there are no adverse impacts anticipated to occur to nearby existing legal users.

It is expected that a Water Use Permit (WUP) will be requested from the South Florida Water Management District (SFWMD) meeting the criteria of Chapter 373.223(1) Florida Statutes. This section of Statute establishes that WUP applicants must demonstrate any requested use of water is reasonable and beneficial and will not interfere with any existing legal use of water and is consistent with the public interest. Therefore, adverse interference to existing Sandstone Aquifer users will not be authorized.

[NOTE: Below, in Objective 33.2 and associated policies, the underlined text represents proposed additions, and ~~cross-hatched~~ text represents proposed deletions.]

Objective 33.2: RESIDENTIAL AND MIXED-USE DEVELOPMENT. *Designate on a Future Land Use Map overlay areas that should be protected from adverse impacts of mining (Existing Acreage Subdivisions), specific locations for concentrating existing development rights on large tracts (Mixed-Use Communities), specific properties which provide opportunities to protect, preserve, and restore strategic regional hydrological and wildlife connections (Environmental Enhancement and Preservation Communities), specific properties that preserve and restore hydrological connections and wildlife habitat and concentrate development rights on large tracts (Mixed Use Communities Enhancement Overlay), and vacant properties with existing residential approvals that are inconsistent with the Density Reduction/Groundwater Resources future land use category (Improved Residential Communities).*

POLICY 33.2.2: *Map 2-D identifies future locations for Mixed-Use Communities where development rights can be concentrated from large Southeast Lee County tracts into Traditional Neighborhood Developments or other clustered development patterns. The preferred pattern for residential development is to cluster density within Mixed-Use Communities with access to ~~along~~ existing roads ~~and away from Future Limerock Mining areas~~.*

1. *Southeast Lee County Mixed-Use Communities must be concentrated from contiguous property owned under single ownership or control. Residential density is calculated from the upland and wetland acreage of the entire contiguous Southeast Lee County property. Increases in residential densities may be approved through:*
   a. a planned development per Policy 33.2.X
   b. incentives as specified in the LDC for permanent protection of indigenous native uplands on the contiguous tract (up to one extra dwelling unit allowed for each five acres of preserved or restored indigenous native uplands) and
   c. through the acquisition of TDUs from TDR sending areas within Southeast Lee County as provided in Objective 33.3.
      i. The maximum gross density, is 5 dwelling units per acre of total land designated as a Mixed Use Community when TDUs are used.
      ii. Properties that concentrate development rights and/or use TDUs created from Southeast Lee County within the Mixed-Use Communities identified on Map 17 will be allowed to develop using permitted uses and the property development regulations for the C-2A zoning district.
2. *Contiguous property under the same ownership may be developed as part of a Mixed- Use Community provided it does not extend more than 400 feet beyond the perimeter of the Mixed Use Community as designated on Map 2-D. In a Mixed Use Enhancement Community Overlay developed as a planned development consistent with Policy 33.2.X,*

all contiguous property under the same ownership and control at the time of application may be included.

3. *Central water and wastewater services are required to develop a Mixed-Use Community.*
4. *Commercial uses developed as part of a Mixed-Use Community will be consistent with Policy 33.3.5 and will not exceed the allowable total square footage for commercial uses in Southeast Lee County*

The proposed text amendment establishes a Mixed Used Communities Enhancement Overlay in Objective 33.2 and Policy 33.2.2. The Enhancement Overlay is proposed to permit increased density on properties contiguous to a Mixed Use Community as identified on Map 2-D of the Lee Plan within a development area that extends farther than 400 feet from the existing Mixed Use Community. Due to the extension proposed, a new policy (copied in full below) is established to outline the restoration and design objectives that must be met by the planned development application submitted to implement the proposed Mixed Use Communities Enhancement Overlay.

POLICY 33.2.X: *Contiguous property under single ownership or control at the time of planned development application may be developed as a Mixed Use Enhancement Community provided it is immediately adjacent to a Mixed Use Community on Map 2-D and to an Urban Future Land Use Category and proposes to preserve, and restore surface and groundwater resources and indigenous wildlife habitats on such contiguous property. As an incentive to cluster development and to preserve and restore surface and groundwater resources along with wildlife habitat for state and federally listed species, additional densities may be granted if:*

1. *A portion of the property is within the "Mixed Use Enhancement Community" as designated on Map 2-D of the Plan and consistent with the criteria below:*
   a) *Located adjacent to a Mixed Use Community and Urban Future Land Use Category with direct access to an arterial road.*
   b) *Proposes to preserve and restore surface and groundwater resources and indigenous wildlife habitats; and*
   c) *Develops as a planned development.*
2. *The planned development requires the following:*
   a) *The Mixed Use Community and adjacent property under unified ownership or control are included in the planned development application.*
   b) *The Master Concept Plan must demonstrate:*
      i. *Clustered development pattern proximate to the Mixed Use Community and adjacent arterial roadways that maintains large contiguous tracts of open space and protects environmentally sensitive areas;*
      ii. *Preservation or restoration of existing wetland and upland habitat which will be used to:*
         1. *Restore hydrological connectivity or flow-ways where they are currently or previously existed; or*
         2. *Sustain and help restore existing and historic groundwater levels; or*
         3. *Preserve, enhance and restore indigenous Rare and Unique Upland habitats.*
      iii. *Indigenous Preservation Areas that:*
         1. *Are a minimum of 55% of the planned development.*

2. *Have an Indigenous Preservation, Restoration and Management Plan addressing:*
    a. *Preliminary restoration plans, demonstrating minimum dimensions required for indigenous open space area set forth in the LDC;*
    b. *Methods for exotic and nuisance plant removal;*
    c. *Wetland hydrological reconnections;*
    d. *Lands identified for the restoration/creation of Rare and Unique Upland habitat containing the soil(s) needed to support the establishment and success of the indigenous Rare and Unique upland habitats;*
    e. *Replanting plans;*
    f. *Management plans with success criteria, monitoring and maintenance for 5 consecutive years; and*
    g. *Protected species, Airport Wildlife Management, and human-wildlife coexistence plans.*
3. *Will be platted in separate tracts and dedicated to an appropriate maintenance entity. Prior to the Certificate of Compliance (CC) for the first development order, a Community Development District or master property owners association must be created and accept responsibility for perpetually maintaining preservation areas larger than 300 acres.*
4. *Be placed under conservation easement dedicated to a maintenance entity that provides Lee County (or another public entity acceptable to Lee County) with third party enforcement rights. Conservation easements must be recorded within 5 years of first development order approval.*

c) *An enhanced lake management plan including:*
    i. *Best management practices for fertilizers and pesticides;*
    ii. *Erosion control and bank stabilization practices; and*
    iii. *Lake maintenance requirements.*

d) *A water quality monitoring plan demonstrating that stormwater leaving the development meets state and federal water quality standards.*

e) *Agricultural irrigation and fertilizers (or other agricultural chemicals) for agricultural purposes must cease at the time of the first development order approvals.*

f) *Protection of public wells by demonstrating compliance with the Wellfield Protection Ordinance.*

g) *Florida Friendly Plantings and/or Lee County Port Authority (LCPA) Compatible Plantings with low irrigation requirements in common elements will be encouraged.*

h) *Written verification of adequate public services for the planned development from the sheriff, EMS, fire district and Lee County School District.*

3. *As a result of supporting a Mixed Use Community, the recreation of historic flow paths and preservation of natural habitat, and restoration or creation of Rare and*

Unique uplands, additional incentive density equivalent to 1 dwelling unit per acre of preserved or restored wetland or upland habitat may be approved through planned developments meeting the criteria above.

1. *Additional incentive density will be based upon the acreage of the preserved or restored wetland or upland habitat (i.e. all areas within the boundary of the planned development whether uplands or wetlands.)*
2. *Density from the contiguous Mixed Use Community and Urban Future Land Use Category may be transferred into the area of the Mixed Use Enhancement Community.*

The proposed policy identifies specific locations which can request additional development beyond 400 feet of an existing Mixed Use Community Boundary on Map 2-D where;

1. A portion of the property is within an existing Mixed Use Community identified on Map 2-D;
2. A portion of the property is within an Urban Future Land Use Category;
3. The property has direct access to an arterial roadway; and
4. The concurrent planned development preserves and restores surface and groundwater resources and indigenous wildlife habitats.

The proposed policy also promotes a clustered development pattern for the additional units resulting from the preservation and restoration of existing on-site wetlands and uplands to promote flow paths of surface water in historical locations across the subject property. Due to development of the property for agricultural purposes in the late 1940s, the property has been hydrologically divided into east and west sections by a north/south internal farm road. The historic agricultural surface water management system of the property is an extensive network of ditches and berms which have artificially partitioned, and disconnected sections of the natural wetland system on-site. These existing conditions are proposed to be improved to restore native habitats and historical flow paths, and improve groundwater recharge from existing conditions. The existing agricultural berms will be removed and the additional material will be used to fill the adjacent agricultural ditches to match existing grade. After regrading activities, the areas will be planted with native vegetation as outlined in the IPRMP (Tables 2 and 3) and consistent with the LCPA Compatible Native Landscape List. In recognition of the competing concerns related to wildlife attractions in the proximity of the airport, the proposed restoration of the property does not include the creation of additional wetland or upland habitats. As an example an existing melaleuca forest on-site, when in an area proposed for restoration, will be replanted with herbaceous vegetation as outlined in Section 5.0 of the IPRMP. The areas proposed for restoration have historically been adversely impacted by the construction of berms, exotic infestation, and adjacent agricultural activities and the proposed activities will reconnect the on-site wetland systems.

Transportation

A full transportation analysis has been prepared by TR Transportation and is attached to the supporting documentation for this application. This analysis included long term (20 year horizon) and short term (5 year horizon) impacts of the proposed development.

OBJECTIVE 37.1: GENERAL STANDARDS. *Monitor non-regulatory LOS standards outlined in Policy 95.1.3. on county and state transportation facilities within Lee County. Cooperate with*

municipalities on the facilities maintained by Lee County within the municipalities and with FDOT on state transportation facilities.

POLICY 37.1.1: *Lee County will develop multi-modal service volumes (capacities) based on local Lee County conditions for determination of the LOS of transportation facilities.*

The analysis provided by TR Transportation demonstrates that SR 82 and Daniels Parkway will not fall below the recommended minimum acceptable Level of Service thresholds and therefore is consistent with Objective 37.1 and Policy 37.1.1.

OBJECTIVE 39.2: TRANSPORTATION AND LAND USE PLANNING. *Develop and maintain transportation planning tools and strategies to coordinate land use development with planned transportation facilities appropriate to future urban areas, future suburban areas, or future non-urban areas as defined. Include road designs and street modifications to accommodate significant truck traffic on freight corridors identified in the MPO Freight Mobility Study and for transit, bicycle and pedestrian facilities where indicated on the transportation map series and Map 4-E, Lee County Greenways Master Plan.*

POLICY 39.2.1: *Future urban areas will have a balanced emphasis on automobile, freight, transit, pedestrian, and bicycle modes of transportation by:*

- *Promoting safe and convenient street, bicycle and pedestrian facilities connectivity for easy access between modes.*
- *Utilizing short block lengths within urban Mixed Use Overlay areas.*
- *Providing transit service within an emphasis on urban Mixed Use Overlay areas.*
- *Incentivizing infill and redevelopment, mixed uses, pedestrian friendly design, and higher density in areas served by transit.*
- *Providing sidewalks along all roads and streets in urban areas, except where prohibited.*

POLICY 39.2.3: *Future non-urban areas are planned primarily for motor vehicle transportation by:*

- *Limiting transit service and provision of separate pedestrian facilities in the Mixed Use Overlay areas unless otherwise stated in the LDC.*
- *Accommodating bicycle usage on bicycle lanes, paved shoulder or multi-use recreational trail facilities.*

The subject property is within a Future Urban and a Future non-urban location at the intersection of two major arterial roadways in Lee County, Daniels Parkway and State Road 82. The traffic analysis provided by TR Transportation demonstrates adequate capacity to serve the proposed development. Sidewalks are provided along the SR 82 frontage and will be provided consistent with LDC Chapter 10 along Daniels Parkway during construction of the residential development. The concurrent planned development will demonstrate internal roadway cross sections consistent with LDC Chapter 10 with pedestrian facilities internal to the proposed development for connectivity across the 1,233 acre property. The future proposed development will be consistent with Objective 39.2 and Policies 39.2.1 and 39.2.3

> ***POLICY 39.2.5:*** *Establish connection separation standards in the LDC based on functional classification and future urban, suburban, or non-urban area designation. Designate by Board action, certain roadways as "controlled access," to which permanent access points are restricted to locations established and set by a specific access plan adopted by Board resolution.*

The subject property fronts on SR 82 (which is a controlled access facility) and Daniels Parkway. The concurrent planned development will demonstrate access to the proposed subdivision consistent with the appropriate locations for each roadway and Policy 39.2.5.

> ***OBJECTIVE 47.2:*** *DEVELOPMENT COMPATIBILITY IN VICINITY OF AIRPORTS. Evaluate development proposals for property located within the vicinity of existing or planned aviation facilities to ensure land use compatibility, to preclude hazards to aircraft operations, and to protect airport capacities and facilities.*
>
> ***POLICY 47.2.1:*** *Land use compatibility will be considered when reviewing development proposals within the vicinity of existing or planned aviation facilities.*
>
> ***POLICY 47.2.3:*** *Utilize the currently adopted Airport Master Plans, rules of Chapter 333, F.S., and the Southwest Florida International Airport FAR Part 150 Study, including updates, as a basis to amend the Lee Plan and the Land Development Code to prohibit development that is incompatible with the Southwest Florida International Airport or Page Field Airport; and, to ensure future economic enhancement consistent with Objective 47.1.*
>
> ***POLICY 47.2.5:*** *The safety of aircraft operators, aircraft passengers, and persons on the ground will guide the Port Authority's airports operations. Hazardous wildlife attractants within 10,000 feet of a Port Authority airport's Air Operations Area (AOA) will be avoided by minimizing and correcting any wildlife hazards arising from wetlands or water bodies in accordance with FAA AC 150/5200-33B, or as otherwise amended. Site improvements on or near the Port Authority's airports must be designed to minimize attractiveness to wildlife of natural areas and man-made features such as detention/retention ponds, landscaping, and wetlands, which can provide wildlife with ideal locations for feeding, loafing, reproduction and escape.*

The subject property is proximate to the Southwest Florida International Airport. As a result, the proposed text amendment does not include the establishment of new habitat. Existing on-site wetlands and uplands are proposed to be preserved, as required, and restored in their current locations in ways that will minimize attractiveness to increased wildlife activity. The concurrent planned development includes design deviations to minimize opportunities for additional wading birds or other wildlife hazardous to airport activities to be attracted to the property. Lake bank slopes are proposed to be hardened and associated deviations are requested. Wetland restoration is not increased within the 10,000 foot wildlife buffer and the Indigenous Preservation Restoration Management Plan demonstrates a like for like restoration to maintain existing habitat types. Plantings within the buffer are proposed to be consistent with the Lee County Port Authority compatible plant list. Finally, hydrologic restoration of the on-site wetlands is not anticipated to increase wetland hydroperiods but will remove the existing berms and ditched to create an interconnected system.

As part of the concurrent planned development, the Master Concept Plan demonstrates a design that takes into account the noise zones on the subject property and does not propose residential uses in prohibited

zones. Proposed conditions have been submitted demonstrating requirements for bear proof trash containers, below ground commercial grease traps, a wildlife monitoring plan with observation timeframes required at the time of Development Order and the applicant has been in continued coordination with the Lee County port Authority regarding construction-related best management practices to address dewatering and other site related construction activities. Collectively the proposed text amendment and site design will demonstrate consistency with Objective 47.2 and Policies 47.2.1, 47.2.3 and 47.2.5.

Surface Water Management

The subject property will have a centralized surface water management system that takes into account the existing natural features. Restoration of these features is proposed as part of the Indigenous Preservation and Restoration Management Plan and Drainage Plan to promote interconnectivity and address the impacts of on-going agricultural activities on-site.

> ***GOAL 60:*** *COORDINATED SURFACE WATER MANAGEMENT AND LAND USE PLANNING ON A WATERSHED BASIS. To protect or improve the quality of receiving waters and surrounding natural areas and the functions of natural groundwater aquifer recharge areas while also providing flood protection for existing and future development.*
>
> ***POLICY 60.1.1:*** *Require design of surface water management systems to protect or enhance the groundwater.*
>
> ***POLICY 60.1.2:*** *Incorporate, utilize, and where practicable restore natural surface water flowways and associated habitats.*
>
> ***POLICY 60.1.3:*** *Examine steps necessary to restore principal flow-way systems to assure the continued environmental function, value, and use of natural surface water flow-ways and associated wetland systems.*

The subject property has been cleared and improved in support of agricultural activities since the late 1940s. The existing north/south agricultural road establishes a surface water divide on the subject property and is recognized as a basin divide between the Six Mile Cypress Sub-Watershed and Estero River Sub-Watershed. The area east of the basin divide is hydrologically separated from lands to the west and is orphaned from the balance of the DR/GR. Natural flows from the west also appear constrained from Daniels Parkway as outlined in the Characterization of Ground and Surface Water Resources provided by Progressive Water Resources.

Lee County's Historic Flowways Map indicates historic flow-way connections existing internal to the property and therefore a hydrological connection between the subject property and the balance of the DR/GR. The proposed text amendment requires a clustered development plan and the restoration of historic flow paths identified on the historic flowway map. However, the subject property is in close proximity to the SWFIA and creation of additional wetland habitat cannot be accommodated due to the wildlife attractants that would be created. To interconnect the two watershed basins across the existing agricultural road as identified on the historic flowway map, an underground physical infrastructure improvement is proposed. As outlined by the Drainage Report prepared by Morris-Depew Associates, 24-inch buried piped connection is proposed to interconnect the 2 on-site watershed basins and associated wetlands.

While not a natural flowway, the proposed improvements take into account the unique conditions of the property to achieve the overall objective of interconnecting wetlands, re-establishing historic flow patterns across the property and ensuring no adverse impacts to adjacent properties will occur, as compared to existing conditions consistent with Objective 60.1 and Policies 60.1.1, 60.1.2 and 60.1.3.

> ***OBJECTIVE 60.3:*** *CRITICAL AREAS. The Six Mile Cypress Basin (as defined in Chapter 10 of the Land Development Code) and the Density Reduction/Groundwater Resource land use category are both identified as "critical areas for surface water management." The county will maintain existing regulations to protect the unique environmental and water resource values of these areas.*

The Characterization of Ground and Surface Water Resources and Draft Enhanced Lake Management Plan prepared by Progressive Water Resources includes an outline of Water Quality Management Practices. A surface water quality monitoring program is proposed to ensure that surface water entering and exiting the proposed development meets all SFWMD ERP guidelines as well as all applicable requirements of Chapter 62-302, FAC. The program includes a single set of background samples after the completion of the surface water management lakes, 3 sampling events during the wet season, and continuous monitoring for 5 years. Monitoring is proposed to be discontinued after 5 years if surface water quality is demonstrated as being consistent with State standards. An annual report summarizing all monitoring activity will be provided by March 1 of each year. The proposed conditions included in the concurrent planned development outline the timing of the sampling, the parameters to be tested during sampling and the requirement for continuous monitoring for 5 years. Additionally all data will be provided to Lee County Division of Natural Resources in electronic format for utilization in larger countywide studies. Additional coordination is expected through the review of the requested comprehensive plan amendments and planned development applications to ensure the project's consistency with Objective 60.3.

> ***GOAL 61:*** *PROTECTION OF WATER RESOURCES. To protect the county's water resources through the application of innovative and sound methods of surface water management and by ensuring that the public and private construction, operation, and maintenance of surface water management systems are consistent with the need to protect receiving waters.*
>
> ***POLICY 61.1.6:*** *When and where available, reuse water should be the first option for meeting irrigation needs of a development. Where reuse water is not available, surface water or low quality groundwater should be utilized for irrigation. All other potential water sources must be eliminated prior to selecting potable water as the sole source for meeting the irrigation needs of a development. New developments will coordinate with county staff regarding the source of irrigation water.*

As described by the Characterization of Ground and Surface Water Resources Report prepared by Progressive Water Resources, reclaimed water lines are not available in proximity of the subject property. Therefore, a mix of surface water from the on-site management system and supplies from the confined Sandstone Aquifer are proposed to be utilized consistent with Objective 61 and Policy 61.16. Additionally, the Draft Enhancement Lake Monitoring Plan prepared by Progressive Water Resources outlines a proposed Water Quality Monitoring program to ensure that surface water entering and leaving the subject property meet State standards and protect receiving waters consistent with Goal 61.

Environmental

As demonstrated by the supporting information prepared by Passarella and Associates, the proposed amendment is consistent with and furthers Conservation Goals, Objectives and Policies. The property supports an active agricultural operation and has had an elevated north/south historic farm road since at least 1958. This site condition has created a hydrological divide on the property creating east and west sections. Additionally, the on-site wetlands have berms and ditches creating artificial partitions and disconnecting sections within the natural system.

The Environmental Assessment provided by Passarella and Associates identifies the predominate land cover, approximately 40.7%, is improved and low pasture. Ditches, berms and other disturbed lands are approximately 7.6% of the property. Collectively, these areas amount to approximately half of the property and have resulted in impacts to the natural habitat on-site.

The requested amendments seek to preserve and restore existing wetland and upland habitats to provide flow patterns across the existing basin divide in locations generally consistent with historical patterns mapped by Lee County.

> ***GOAL 123:*** *RESOURCE PROTECTION. Manage coastal, wetland and upland ecosystems and natural resources in order to maintain and enhance native habitats, floral and faunal species diversity, water quality, and natural surface water characteristics.*
>
> ***POLICY 123.1.1:*** *Maintain standards for development, mitigation and conservation that will protect and integrate wetlands and Rare and Unique upland habitats as defined in this plan.*
>
> ***POLICY 123.1.5:*** *Encourage private restoration of natural habitats to support connectivity between public and private conservation and preservation efforts.*
>
> ***POLICY 123.1.7:*** *Coordinate the location of area wide conservation easements to maximize the protection of natural resources.*
>
> ***POLICY 123.2.6:*** *Avoid destruction of upland vegetation communities including coastal and interior hammocks through consideration of alternative site design layouts.*
>
> ***POLICY 123.2.10:*** *Require that development adjacent to aquatic and other nature preserves, wildlife refuges, and recreation areas be designed to protect the natural character and public involvement in these areas.*
>
> ***POLICY 123.2.15:*** *Protect Rare and Unique upland habitats from development impacts, to the maximum extent possible, through conservation and/or site design.*

The property is in an area of Lee County where policy priorities have been established by the Board of County Commissioners for the preservation of regional flowways and habitat. This policy direction is a long standing priority for the County and can be seen through numerous mitigation lands and conservation purchases as well as private restoration and preservation that have occurred within the Southeast Lee County Community Planning Area over the years. The Property is proximate to the Wild Turkey Strand Preserve; although not interconnected. The property's southern boundary is triangular in shape and ceases north of an existing FPL easement. Wild Turkey Strand Preserve is most of Sections 28 and 27

south/southwest of the FPL Easement. The property between the FPL easement and Wild Turkey Strand Preserve limits is held in private ownership. In recognition of this proximity and the privately held lands south of the FPL easement adjacent to Wild Turkey Strand, the southern portion of the Property is proposed for Indigenous preservation and restoration consistent with policy 123.2.10. As previously mentioned due to the proximity to the SWFIA, wetland enhancement and increased restoration is not proposed but like for like restoration activities are planned. Indigenous uplands, including Rare and Unique Uplands, surrounding the wetlands are also proposed for preservation and restoration. Approximately 58.1 acres of mature pine flatwoods, which is considered a Rare and Unique Upland habitat, are preserved by the proposed site plan in the concurrent mixed use planned development. The proposed preservation and restoration efforts are outlined in detail within the Indigenous Preservation and Restoration Management Plan prepared by Passarella and Associates which demonstrates consistency within Goal 123. Additionally, the proposed text amendment requires a conservation easement to be executed for the indigenous preservation and restoration areas; which will include 55% of the overall development as demonstrated by the concurrent Master Concept Plan. With future efforts, connectivity between the subject property's indigenous areas/conservation easements and Wild Turkey Strand Preserve may be possible consistent with policy 123.1.5.

> ***POLICY 77.3.6:*** *Coordinate trails and greenway planning and construction efforts with private landowners to identify, protect develop and manage linear open space connectors for recreation and conservation greenway corridors and encourage private landowners to dedicate greenway facilities for public recreational use through incentives and impact fee credits.*
>
> ***POLICY 77.3.7:*** *New development and redevelopment in areas containing a component of the greenways trail system, as identified by the Lee County Greenways Master Plan, must incorporate the greenway trail into their development design. In addition to counting towards the project's, general open space requirements, development constructing the onsite portions of the greenway trail will be eligible for community and regional park impact fee credit.*

As described above the subject property does not have an interconnection with Wild Turkey Strand. An existing greenway connector currently exists along Daniels Parkway, Captiva-Hendry Trail. The applicant intends to pay a fee-in-lieu if additional improvements are needed at the time of Development Order. As explained within the concurrent planned development, the existing sidewalk infrastructure on Daniels Parkway was constructed with the initial Capital Improvement Project and the public cross-section does not have adequate width to provide additional infrastructure.

> ***OBJECTIVE 123.3:*** *WILDLIFE. Maintain and enhance the fish and wildlife diversity and distribution within Lee County for the benefit of a balanced ecological system.*
>
> ***POLICY 123.3.1:*** *Encourage upland preservation in and around preserved wetlands to provide habitat diversity, enhance edge effect, and promote wildlife conservation.*
>
> ***POLICY 123.3.3:*** *Protect wildlife from impacts of new non-agricultural development in non-urban areas through the creation and implementation of a human-wildlife coexistence plan for each new development requiring a development order.*

OBJECTIVE 123.4: *ENDANGERED AND THREATENED SPECIES IN GENERAL. Protect habitats of endangered and threatened species and species of special concern in order to maintain or enhance existing population numbers and distributions of listed species.*

POLICY 123.12.2: *Encourage use of bear proof containers to secure waste and other attractants within and adjacent to know bear habitats.*

The proposed Text Amendment to establish the Mixed Use Communities Enhancement Overlay seeks to preserve and restore existing native habitats on-site to promote natural surface water characteristics and general flow patterns that existed on-site historically consistent with Goal 123. Consistent with Objective 123.4 the concurrent planned development will demonstrate that restoration is proposed for wetland and upland communities consistent with Policy 123.3.1. Such preservation and restoration will accommodate existing wildlife that inhabits the property in ways that acknowledge the property's proximity to Southwest Florida International Airport and minimize attractiveness of the preserved areas to wildlife consistent with Policy 47.2.5. As part of the Indigenous Preservation & Restoration Management Plan, a Human-Wildlife Co-existence Plan has been provided consistent with Policy 123.3.3. The Proposed Conditions provided as part of the concurrent planned development demonstrate that it is expected this plan will be updated at the time of Development Order. The Proposed Conditions also demonstrate the bear proof trash container for the residential development and below ground grease traps for the commercial development are required to promote consistency with Policy 123.12.2.

The Environmental Assessment prepared by Passarella and Associates indicates that approximately 532 acres of the subject property are considered wetlands. However, the proposal **will not create additional** wetland habitat. Due to proximity to Southwest Florida International Airport, restoration activities are only proposed within existing upland and wetland habitats. As an example, a melaleuca forest existing on-site within an area proposed for restoration would have the exotic vegetation removed and replaned with herbaceous vegetation. Plantings, as outlined by the IPRMP, will be consistent with the LCPAs compatible Native Landscape List. In addition to the removal of exotics and replanting with appropriate vegetation, the existing agricultural berms will be removed and the material will be utilized to fill the existing agricultural ditches to be level with existing grade. This restoration will improve hydrogeological connectivity across the property as compared to existing conditions. A Jurisdictional Determination has been secured from the South Florida Water Management District to memorialize the location of on-site wetlands and address any impacts proposed by the concurrent planned development.

GOAL 124: *WETLANDS. To maintain and enforce a regulatory program for development in wetlands that is cost-effective, complements federal and state permitting processes, and protects the fragile ecological characteristics of wetland systems.*

POLICY 124.1.1: *Ensure that development in wetlands is limited to very low density residential uses and uses of a recreational, open space, or conservation nature that are compatible with wetland functions. The maximum density in the Wetlands category is one unit per 20 acres, except that one single family residence will be permitted on lots meeting the standards in Chapter XIII, and except that owners of wetlands adjacent to Intensive Development, General Interchange, Central Urban, Urban Community, Suburban, New Community and Outlying Suburban areas may transfer densities to developable contiguous uplands under common ownership in accordance with Footnote 8b of Table 1(a), Summary of Residential Densities.*

The concurrent planned development will demonstrate that wetland impacts are proposed to support a residential subdivision with a maximum of 1,600 dwelling units and accessory uses. Across the 1,233 acre property, the requested 1,600 units establishes a density of approximately 1.3 dwelling units/acre – a low density with recreational amenities proposed to support the community consistent with Policy 124.1.1. A jurisdictional determination has been provided from the South Florida Water Management District and the location of the jurisdictional wetlands has been provided for purposes of mapping the Wetlands Future Land Use category.

> ***GOAL 125: Water Quality.*** *To ensure that water quality is maintained or improved for the protection of the environment and people of Lee County.*
>
> ***POLICY 125.1.2:*** *New development and additions to existing development must not degrade surface and groundwater quality.*
>
> ***POLICY 125.1.3:*** *The design, construction, and maintenance of artificial drainage systems must provide for retention or detention areas and vegetated swale systems that minimize nutrient loading and pollution of freshwater estuarine systems.*

The proposed development will eliminate the existing drainage ditches and berms associated with the historic agricultural operations on-site to restore and enhance the existing on-site water resource conditions. As previously discussed the Draft Enhanced Lake Management Plan prepared by Progressive Water Resources includes a Water Quality Monitoring program to ensure surface water entering and exiting the subject property meets State standards. Through the issuance of the required Environmental Resource Permit by the SFWMD, reasonable assurances are provided to the County that surface and groundwater resources will be protected and maintained. Additionally, the Proposed Conditions submitted with the concurrent planned development outline the monitoring schedule and parameters to be tested. The proposed Drainage Report prepared by Morris-Depew Associates demonstrates a unified stormwater management system which will "attenuate the 25-year, 3-day rainfall event within the proposed onsite water management system and reduce peak runoff discharge rates from the project limits." The stormwater management system is required to be designed based on the SFWMD Environmental Resource Permit program and consistent with the criteria of Part IV of Chapter 373, Florida Statutes. Through the issuance of the ERP, the proposed development will maintain water quality for surface and groundwater that will meet and potential exceed State and Federal Standards.

The proposed design included in the Master Drainage Plan (Appendix A) demonstrates the integrated water management lakes will have a total surface area of 117 acres. Due to the project's proximity to the SWFIA and inclusion within the 10,000-foot hazardous wildlife buffer, some lake banks are proposed to be hardened with no littoral plantings to minimize wildlife attractants. These lakes will be interconnected with the lakes outside the 10,000-foot hazardous wildlife buffer to ensure water quality treatment is provided prior to discharge off-site. As demonstrated by the Drainage Report, Master Concept Plan, Proposed Conditions, and through the subsequent development order, the proposed development will be consistent with Policies 125.1.2 and 125.1.3.

> ***POLICY 126.1.1:*** *Natural water system features which are essential for retention, detention, purification, runoff, recharge and maintenance of stream flows and groundwater levels shall be identified, protected and managed.*

POLICY 126.1.4: *Development designs must provide for maintaining or improving surface water flows, groundwater levels and lake levels at or above existing conditions.*

The subject property has 532 acres of wetlands of which 520.9 acres are proposed to be preserved and restored. Completion of the activities outlined in the Indigenous Preservation and Restoration Management Plan will improve the wetland's ability to retain stormwater through the elimination of the existing agricultural ditches; which internally impounds the wetlands. The proposed restoration will increase surface water detention while reducing run off which will also enhance water quality through vegetative and native soil filtration. The Master Concept Plan demonstrates that physical infrastructure improvements are proposed to be constructed to interconnect the 2 existing watershed basins on-site. With this infrastructure improvement, the Master Drainage Report prepared by Morris-Depew Associates and Integrated Model Analysis prepared by Progressive Water Resources demonstrates that the peak runoff of the proposed development will be less than the existing conditions, decreasing the potential for flood conditions on downstream properties. Additionally, the proposed development increases groundwater recharge conditions as compared to the existing conditions allowing increased hydration of the northern portion of the DR/GR. To the maximum extent possible given the proximity of the property to the SWFIA the proposed development incorporates natural features for improving surface water flows, groundwater levels and lake levels consistent with Policies 126.1.1 and 126.1.4.

Conclusions

The requested amendments, incorporating the Mixed Use Community Enhancement Overlay, are the first step of the entitlement process to establish a cohesive master plan with unified commercial and residential development on the subject property consistent with the Southeast Lee and Lehigh Acres Community Plans. Developed independently under presently permissible land use, the development patterns would be scattered and uncoordinated with a portion relying on wells and septic, further conflicting with the general intent and vision of the DR/GR Future Land Use.

As proposed, the Overlay also provides the opportunity to evaluate properties individually for redevelopment to determine if the required prerequisites and the proposed development conditions as part of a concurrent planned development have been met. An emphasis has been placed on the preservation and restoration of native habitat in a manner that also restores historic flow patterns across the property promoting the overall intent of the DR/GR which could not be achieved without the requested amendments.

The supporting materials provided as part of this amendment request demonstrate a unified stormwater management system that will appropriately address nutrient loading and surface water quality while interconnecting the 2 watershed basins on-site in a manner consistent with the property's proximity to SWFIA. This design promotes a beneficial increase in recharge to the underlying Water Table Aquifer as compared to existing conditions. The design also clusters the proposed development in a manner that preserves or enhances 55% of the property, consistent with other overlays within the Southeast Lee Community Planning Area. However, incentive density is only requested for the preserved or restored indigenous habitat; which includes Rare and Unique Upland Habitat, an enhancement over existing overlays within the Southeast Lee Community Planning Area. The proposed amendments and site design take into account the unique conditions of the subject property to appropriately balance the objectives of the DR/GR FLU, Southeast Lee Community Planning Area, potential wildlife attractants to re-establish

historic flow patterns, increase aquifer recharge, reduce off-site surface water flows, and preserve and restore 679 acres of habitat.

EXHIBIT E

OF SUPPORTING NARRATIVES

PUBLIC FACILITIES IMPACT ANALYSIS
EXHIBITS – M14 & T5

STEARNS WEAVER MILLER
WEISSLER ALHADEFF & SITTERSON, P.A.

Tina M. Ekblad, MPA, AICP
Highpoint Center
106 E. College Avenue, Suite 700
Tallahassee, FL 32301
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Daniels Parkway South
Comprehensive Plan Amendment
Public Facilities Impact Analysis – Exhibit M14
Existing and Future Conditions Analysis – Exhibit M16

June 10, 2022

The Property for the proposed development is located in Future Urban and Non-Urban Area. More specifically an amendment from Central Urban to Intensive Development is proposed with the remainder of the property staying within the DR/GR and Wetlands categories. However, the property is within an area of the County that has been designated for urban services. A majority of the urban services are adjacent to or within the vicinity of the subject property and available to serve the property and its residents/occupants. Copies of all Letters of Availability from each service provider are attached to the application for reference. The impacts of the requested amendments on public facilities are evaluated by comparing the existing development to the proposed development per the comprehensive plan amendments and concurrent rezoning.

Utilities (Public sewer and water)
The subject property is partially within the service area for Lee County Utilities and a Letter of Availability has been included in the application materials to demonstrate adequate capacity is available to serve the proposed development and will be provided by the Corkscrew Water Treatment Plant and Gateway Water Treatment Plant. A map amendment is requested to extend the Lee County Utilities Service area across the entire property to provide central water and sewer services to the proposed development. While the proposed amendments would increase the available density on the subject property, the requested commercial square footage is currently permissible within the existing Central Urban FLU.

Per Lee Plan Policy 95.1.3, an average treatment and disposal capacity of 250 gallons per day per Equivalent Residential Connection (ERC) for potable water is required. The 2021 Concurrency Report indicated that Potable Water is available at a capacity of 314 gallons per day per ERC; which exceeds the required LOS. The 2021 Concurrency Report also confirms that all wastewater systems are operating within capacity and meet the LOS standard for unincorporated Lee County.

Potable Water
Existing Maximum Residential per Central Urban, DR/GR and Wetlands FLUs:
933.4ERC X 250 GPD = 233,350 GPD

Proposed Impact of Residential within Overlay:
1,859ERC X 250 GPD = 464,750 GPD

Sanitary Sewer
Existing Maximum Residential per Central Urban, DR/GR and Wetlands FLUs:
933.4 ERC X 200 GPD = 186,680 GPD

Proposed Impact of Additional Residential within Overlay
1,859 ERC X 200 GPD – 371,800 GPD

Public Safety (Police, Fire, and EMS)
The subject property is able to be served by multiple providers for Emergency Medical Services, Fire and Police. Lee County Emergency Medical Services is the primary EMS transport for the subject property. However, the property is also within the Lehigh Acres Fire District which provides medical transport as well. Both service providers would work together to serve the subject property. Lee County EMS does not have a resource in this area, but the concurrent planned development includes land area for future expansion of service.

The subject property is also served by two Fire Districts, the South Trail and Lehigh Acres Fire Districts. The South Trail Fire District would serve the southern portion of the property from Station 63 located at 5531 Halifax Ave. The Lehigh Acres Fire District would serve the northern portion of the property from the located at 636 Thomas Sherwin Ave. S. The agency is capable of providing services to the subject property as it falls within the boundaries of the fire district.

The subject property is located wholly within the service area for the Lee County Sheriff. The Central District Station located at 14750 Six Mile Cypress Parkway is responsible for providing service to the subject property.

Schools
The subject property is within the Lee County School District East Zone, E2. According to the Letter of Availability from the Lee County School District the proposed development will generate 475 school-age children. There is capacity within the entire school district to accommodate the additional children.

Any deficit created at the middle school level will be addressed via the opening of the new LAMS campus (middle school MM) in the 2021-2022 school year which will add 1,210 seats of permanent capacity.
1,210 [proposed new seats in MM] – 1,108 [existing deficit] = 102 seats [capacity].

Any deficit created at the high school level will be addressed via the opening of the Gateway High School campus during the 2021-2022 school year which will add 1,475 seats in additional capacity.
1,475 [proposed new seats at Gateway High] – 469 [existing deficit] = 1,006 seats [capacity]

Solid Waste
The property is within the Lee County Solid Waste Franchise and is served through Lee County's franchised hauling contractor. Disposal of waste generated from the subject property will be accomplished at the Lee County Resource Recovery Facility and the Lee-Hendry Regional Landfill. Service is available to the subject property and plans have been established that target growth and long term disposal capacity for this particular area.

LOS Standard = 7 lbs/day/capita OR 990,405 tons/year
Current Capacity = 7.9 lbs/day/capita OR 1,134,667 tons/year

Existing Maximum Residential Impact per DR/GR & Wetlands FLUs
88.9 dwelling units X 2.64 persons per unit = 234.69 persons
234.7 persons X 7lbs./day = 1,642.8 lbs./day
1,642.8 lbs./day X 365 days = 599,648.28 lbs./year
599,648.28 lbs./year = 299.8 tons/year

Proposed Impact of Additional Residential per Overlay
1,600 dwelling units X 2.64 persons per unit = 4,224
4,224 persons X 7lbs./day = 29,568 lbs./day
29,568 lbs./day X 365 days = 10,792,320 lbs./year
10,792,320 lbs./year = 5,396.16 tons/year

Surface Water/Drainage Basins
The regulatory standards described in Policy 95.1.3(4)(c) require new development to be designed to South Florida Water Management District (SFWMD) standards to detain or retain excess stormwater to match the predevelopment discharge rate for the 25-year, 3-day storm event. Additionally, it requires that the stormwater system must prevent the flooding of designated evacuation routes on the Lee Plan Map 15 from the 25-year, 3-day storm event for more than 24 hours. (The Lee Plan no longer has a Map 15 and the current evacuation routes are identified in Lee Plan Map 3J which identifies both Daniels Parkway and SR 82 as being evacuation routes.) The proposed text amendment and concurrent planned development will be consistent with the requirements of Lee Plan Policy 95.1.3 (including Map 3J) and an ERP permit is required to be obtained for the proposed development prior to construction commencement.

Parks, Recreation, and Open Space
The non-regulatory standards described in Policy 95.1.3(6)(a & b) require six (6) acres of developed regional park land open for public use per 1,000 total seasonal county population for all of Lee County and .8 acres of developed community park land open for public use per 1,000 unincorporated Lee County permanent population.

Regional Parks Level of Service
867,000 [seasonal county population] X (6 acres/1,000 population) = 5,202 acres
The 2020 Lee County Concurrency Report indicates that there are a total required 5,202 acres of regional parks and that the available capacity lists 7,051 acres of regional parks therefore there is available capacity to meet the adopted LOS standard.

Additionally, the 2021 Concurrency Report states that the existing inventory meets the regional park level-of-service standard in the County for the year 2020 and will continue to do so at least through the next five years of the capital improvement plan (CIP).

Community Parks Level of Service
361,315 [permanent unincorporated county population] X (0.8 acres/1,000 population) = 289 acres

The 2021 Lee County Concurrency Report indicates that there are a total required 289 acres of community parks and that the available capacity lists 832 acres of community parks therefore there is available capacity to meet the adopted LOS standard.

Additionally, the 2021 Concurrency Report states that the existing inventory meets the regional park level-of-service standard in the County for the year 2020 and will continue to do so at least through the next five years of the capital improvement plan (CIP).

ATTACHMENT 4

DANIELS PARKWAY SOUTH
COMPREHENSIVE PLAN AMENDMENTS
CPA2021-00017 & CPA2021-00018

ENVIRONMENTAL REPORTS EXHIBITS
M12 & T7

[June 10, 2022]
[September 9, 2022]

EXHIBIT A

OF ENVIRONMENTAL REPORTS
EXHIBITS – M12 & T7

SFWMD WETLAND DETERMINATION

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

May 9, 2022

** Delivered via email*

Barry Ernst *
Lennar Homes LLC
10481 Six Mile Cypress Pkwy
Fort Myers, FL 33966

Subject: Daniels Parkway South
Petition for Formal Determination of Wetlands and Surface Waters
Permit No. 36-107020-P
Application No. 211115-32173
Lee County

Your petition for a formal determination of wetlands and other surface waters is approved. This action is taken based on Chapter 373, Part IV of Florida Statutes (F.S.) and the rules in Chapters 62-330 and 62-340, Florida Administrative Code (F.A.C.). Please read this entire agency action thoroughly and understand its contents.

This action is subject to:

- Not receiving a filed request for a Chapter 120, F.S., administrative hearing.
- All referenced Exhibits.

Should you object to these conditions, please refer to the attached "Notice of Rights" which addresses the procedures to be followed if you desire a public hearing or other review of the proposed agency action. Please contact this office if you have any questions concerning this matter. If we do not hear from you in accordance to the "Notice of Rights", we will assume that you concur with the District's action.

CERTIFICATE OF SERVICE

I hereby certify that this Formal Wetland Determination and Notice of Rights have been mailed or electronically submitted to the addressee (and the persons listed on the attached distribution list) on May 9, 2022 in accordance with Section 120.60(3), F.S. Notice was also electronically posted on this date through a link on the home page of the District's website (www.sfwmd.gov/ePermitting).

Sincerely,

Melissa M. Lawrence, P.E.
Bureau Chief, Environmental Resource Bureau

South Florida Water Management District
Formal Wetland Determination Permit No. 36-107020-P
Date Issued: May 9, 2022

Project Name:	Daniels Parkway South
Petitioner:	Barry Ernst Lennar Homes LLC 10481 Six Mile Cypress Pkwy Fort Myers, FL 33966
Application No.	211115-32173
Location:	Lee County, See Exhibit 1
Acres:	1,233.08
Expiration Date:	May 9, 2027
Type:	Certified Survey

Project Summary

This application is for a formal determination of the landward extent of wetlands and other surface waters (OSW), pursuant to Rule 62-330.201 Florida Administrative Code (F.A.C.), for a 1,233.08 acre property known as Daniels Parkway South. The methodology used for the determination is consistent with Rule 62-340 F.A.C.

Project Site Description

The 1,233.08 acre property is located in Sections 9, 16, 17, and 21; Township 45 South; Range 26 East; Lee County, Florida. More specifically, the property is located south of S.R. 82 and east of Daniels Parkway. A Location Map is attached as Exhibit No. 1.0. The property is surrounded by S.R. 82 and Lehigh Acres to the north; low-density single family homes and undeveloped forested land including wetlands to the east; a power line easement and undeveloped land including wetlands to the south; and Daniels Parkway, a power line easement, and the Timber Creek community to the west. The existing land uses on the property include pastureland for cattle grazing and undeveloped forested uplands and wetlands. An aerial photograph depicting the inspection boundary is attached as Exhibit No. 2.0.

Formal Determination of Wetlands and Other Surface Waters

On November 15, 2021, the District received a request for a formal determination of the boundary of wetlands and OSW on a 1,233.08 acre property known as Daniels Parkway South. The landward extent of wetlands was established by Passarella & Associates, Inc. and verified by Certified Wetland Evaluator (CWE) Matt Brosious of the South Florida Water Management District on January 14, 20, and 21, 2022. Wetlands and other surface waters (OSW), as defined by Subsection 373.019(27) F.S. and Rule 62-340 F.A.C., were identified on the property. Wetlands and OSW on the property were delineated using the methods established in Rule 62-340 F.A.C.; more specifically, the wetlands were delineated using the Wetlands Definition, and A, B and D tests. Wetlands delineated on the property totaled 532.51 acres and OSW totaled 30.93 acres. A wetland and OSW line survey is attached as Exhibit Nos. 3.0 and 3.1. The wetland boundaries on-site were surveyed, while the OSW on-site were field verified using an approximate formal determination, via GPS coordinates. To meet the range of variability

criteria for approximate delineations, in Section 7.2.2(e)2(a) Applicants Handbook, Vol. I, 19 survey located points are included in the specific purpose survey for the OSW on-site; see page 22. As evidenced by the survey, the accuracy of the GPS and aerial interpreted lines compared to the survey located points is within 25 feet, thus falling within the range of variability. Wetland delineation information, including wetland data point location map, wetland data forms, and representative photographs of the wetlands and upland areas can be found in the permit file.

Wetland Description:

The wetlands identified on the property totaled 532.51 acres (Exhibit Nos. 3.0 and 3.1). Wetland habitats on the property generally consisted of hydric pine, cypress, shrub wetlands, wet prairie, freshwater marsh and hydric pasture, with varying degrees of exotic vegetation. Upland habitats adjacent to the wetlands generally included pine flatwoods, palmetto prairie, improved pasture and a power line easement. The wetlands were delineated using the Wetland Definition, A, B, and D tests.

OSW Description:

Other surface waters identified and delineated on the property totaled 30.93 acres. OSW generally consisted of remnant agricultural ditches and ditches within a historically used military installation, which is visible on the 1968 aerial photograph in the permit file.

Based on the National Resource Conservation Service (NRCS) data, the property contains ten (10) historically mapped hydric soils. The mapped hydric soils on the property included Hallandale Fine Sand, Wet (Map Unit 6), Pompano Fine Sand (Map Unit 10), Valkaria Fine Sand (Map Unit 14), Pineda-Pineda Wet Fine Sand (Map Unit 26), Pompano Fine Sand, Frequently Ponded (Map Unit 27), Malabar Fine Sand (Map Unit 34), Valkaria Fine Sand, Frequently Ponded (Map Unit 41), Malabar Fine Sand, Frequently Ponded (Map Unit 44), Floridana Sand, Frequently Ponded (Map Unit 51), Pineda Fine Sand, Frequently Ponded (Map Unit 73). A soils map is attached as Exhibit No. 4.0. Soil pit data is included within the wetland delineation data forms, which were field reviewed on January 21, 2022. Hydric soil indicators S5 (Sandy Redox) and S6 (Stripped Matrix) were observed within the wetland area.

Hydrologic Indicators observed at or near the data point locations included hydric soil indicators S5 and S6 starting at the soil surface (Hydrologic Data), algal matting on ground surface, and 0.5 inches of adventitious rooting on melaleuca trees.

This Formal Determination of Wetlands and Other Surface Waters is the District's determination of the landward extent (boundaries) of wetlands and other surface waters within the property based on the documentation submitted by the Petitioner and field application of Chapter 62-340, F.A.C. This action does not authorize any construction activities or constitute conceptual approval of any anticipated projects or activities in wetlands or other surface waters. It does not in any way establish boundaries of sovereign submerged lands, high water elevations or other elevations/ boundaries.

Pursuant to Subsection 373.421 (4), F.S., the Governing Board may revoke the Formal Wetland Determination upon a finding that the Petitioner has submitted inaccurate information to the District.

The Formal Wetland Determination shall be binding for the stated duration provided physical conditions on the property do not change so as to alter the boundaries of wetlands and other surface waters during that period.

Distribution List

Jared Holes, Successor Trustee *

Jacob Taminosian, Passarella & Associates, Inc. *

Florida Department of Environmental Protection SLERC *

Lee County Property Appraiser *

Florida Department of Environmental Protection - Environmental Administrator *

Exhibits

The following exhibits to this permit are incorporated by reference. The exhibits can be viewed by clicking on the links below or by visiting the District's ePermitting website (http://my.sfwmd.gov/ePermitting) and searching under this application number 211115-32173 .

Exhibit No. 1.0 Location Map

Exhibit No. 2.0 Aerial With Inspection Boundary

Exhibit No. 3.0 Wetland and OSW Certified Survey

Exhibit No. 3.1 Aerial With Wetlands and OSW

Exhibit No. 4.0 Soils Map

NOTICE OF RIGHTS

As required by Chapter 120, Florida Statutes, the following provides notice of the opportunities which may be available for administrative hearing pursuant to Sections 120.569 and 120.57, Florida Statutes, or judicial review pursuant to Section 120.68, Florida Statutes, when the substantial interests of a party are determined by an agency. Please note that this Notice of Rights is not intended to provide legal advice. Some of the legal proceedings detailed below may not be applicable or appropriate for your situation. You may wish to consult an attorney regarding your legal rights.

RIGHT TO REQUEST ADMINISTRATIVE HEARING

A person whose substantial interests are or may be affected by the South Florida Water Management District's (District) action has the right to request an administrative hearing on that action pursuant to Sections 120.569 and 120.57, Florida Statutes. Persons seeking a hearing on a District decision which affects or may affect their substantial interests shall file a petition for hearing in accordance with the filing instructions set forth herein within 21 days of receipt of written notice of the decision unless one of the following shorter time periods apply: (1) within 14 days of the notice of consolidated intent to grant or deny concurrently reviewed applications for environmental resource permits and use of sovereign submerged lands pursuant to Section 373.427, Florida Statutes; or (2) within 14 days of service of an Administrative Order pursuant to Section 373.119(1), Florida Statutes. "Receipt of written notice of agency decision" means receipt of written notice through mail, electronic mail, posting, or publication that the District has taken or intends to take final agency action. Any person who receives written notice of a District decision and fails to file a written request for hearing within the timeframe described above waives the right to request a hearing on that decision.

If the District takes final agency action that materially differs from the noticed intended agency decision, persons who may be substantially affected shall, unless otherwise provided by law, have an additional point of entry pursuant to Rule 28-106.111, Florida Administrative Code.

Any person to whom an emergency order is directed pursuant to Section 373.119(2), Florida Statutes, shall comply therewith immediately, but on petition to the board shall be afforded a hearing as soon as possible.

A person may file a request for an extension of time for filing a petition. The District may grant the request for good cause. Requests for extension of time must be filed with the District prior to the deadline for filing a petition for hearing. Such requests for extension shall contain a certificate that the moving party has consulted with all other parties concerning the extension and whether the District and any other parties agree to or oppose the extension. A timely request for an extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

FILING INSTRUCTIONS

A petition for administrative hearing must be filed with the Office of the District Clerk. Filings with the Office of the District Clerk may be made by mail, hand-delivery, or e-mail. Filings by facsimile will not be accepted. A petition for administrative hearing or other document is deemed filed upon receipt during normal business hours by the Office of the District Clerk at the District's headquarters in West Palm Beach, Florida. The District's normal business hours are 8:00 a.m. – 5:00 p.m., excluding weekends and District holidays. Any document received by the Office of the District Clerk after 5:00 p.m. shall be deemed filed as of 8:00 a.m. on the next regular business day.

Additional filing instructions are as follows:

- Filings by mail must be addressed to the Office of the District Clerk, 3301 Gun Club Road, West Palm Beach, Florida 33406.
- Filings by hand-delivery must be delivered to the Office of the District Clerk. Delivery of a petition to the District's security desk does not constitute filing. It will be necessary to request that the District's security officer contact the Office of the District Clerk. An employee of the District's Clerk's office will receive and process the petition.
- Filings by e-mail must be transmitted to the Office of the District Clerk at clerk@sfwmd.gov. The filing date for a document transmitted by electronic mail shall be the date the Office of the District Clerk receives the complete document.

INITIATION OF ADMINISTRATIVE HEARING

Pursuant to Sections 120.54(5)(b)4. and 120.569(2)(c), Florida Statutes, and Rules 28-106.201 and 28-106.301, Florida Administrative Code, initiation of an administrative hearing shall be made by written petition to the District in legible form and on 8 1/2 by 11 inch white paper. All petitions shall contain:

1. Identification of the action being contested, including the permit number, application number, District file number or any other District identification number, if known.
2. The name, address, any email address, any facsimile number, and telephone number of the petitioner, petitioner's attorney or qualified representative, if any.
3. An explanation of how the petitioner's substantial interests will be affected by the agency determination.
4. A statement of when and how the petitioner received notice of the District's decision.
5. A statement of all disputed issues of material fact. If there are none, the petition must so indicate.
6. A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the District's proposed action.
7. A statement of the specific rules or statutes the petitioner contends require reversal or modification of the District's proposed action.
8. If disputed issues of material fact exist, the statement must also include an explanation of how the alleged facts relate to the specific rules or statutes.
9. A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the District to take with respect to the District's proposed action.

MEDIATION

The procedures for pursuing mediation are set forth in Section 120.573, Florida Statutes, and Rules 28-106.111 and 28-106.401–.405, Florida Administrative Code. The District is not proposing mediation for this agency action under Section 120.573, Florida Statutes, at this time.

RIGHT TO SEEK JUDICIAL REVIEW

Pursuant to Section 120.68, Florida Statutes, and in accordance with Florida Rule of Appellate Procedure 9.110, a party who is adversely affected by final District action may seek judicial review of the District's final decision by filing a notice of appeal with the Office of the District Clerk in accordance with the filing instructions set forth herein within 30 days of rendition of the order to be reviewed, and by filing a copy of the notice with the appropriate district court of appeals via the Florida Courts E-Filing Portal.

EXHIBIT B

OF ENVIRONMENTAL REPORTS
EXHIBITS – M12 & T7

ENVIRONMENTAL ASSESSMENT

DANIELS PARKWAY SOUTH
ENVIRONMENTAL ASSESSMENT

Revised May 2022

Prepared For:

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Project No. 19LLL3192

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INTRODUCTION

An environmental assessment was conducted on Daniels Parkway South (Project) to document existing land uses and vegetative cover; document the presence of state jurisdictional wetlands; research potential utilization by wildlife and plant species listed by the Florida Fish and Wildlife Conservation Commission (FWCC), the Florida Department of Agriculture and Consumer Services (FDACS), and the U.S. Fish and Wildlife Service (USFWS) as Threatened, Endangered, or Species of Special Concern; and document listed species utilization within the Project site. The assessment included field surveys to map vegetation communities, an office review of agency records for documented occurrences of listed species on the property, and field surveys to document listed species utilization within the Project. This report summarizes the results of the environmental assessment.

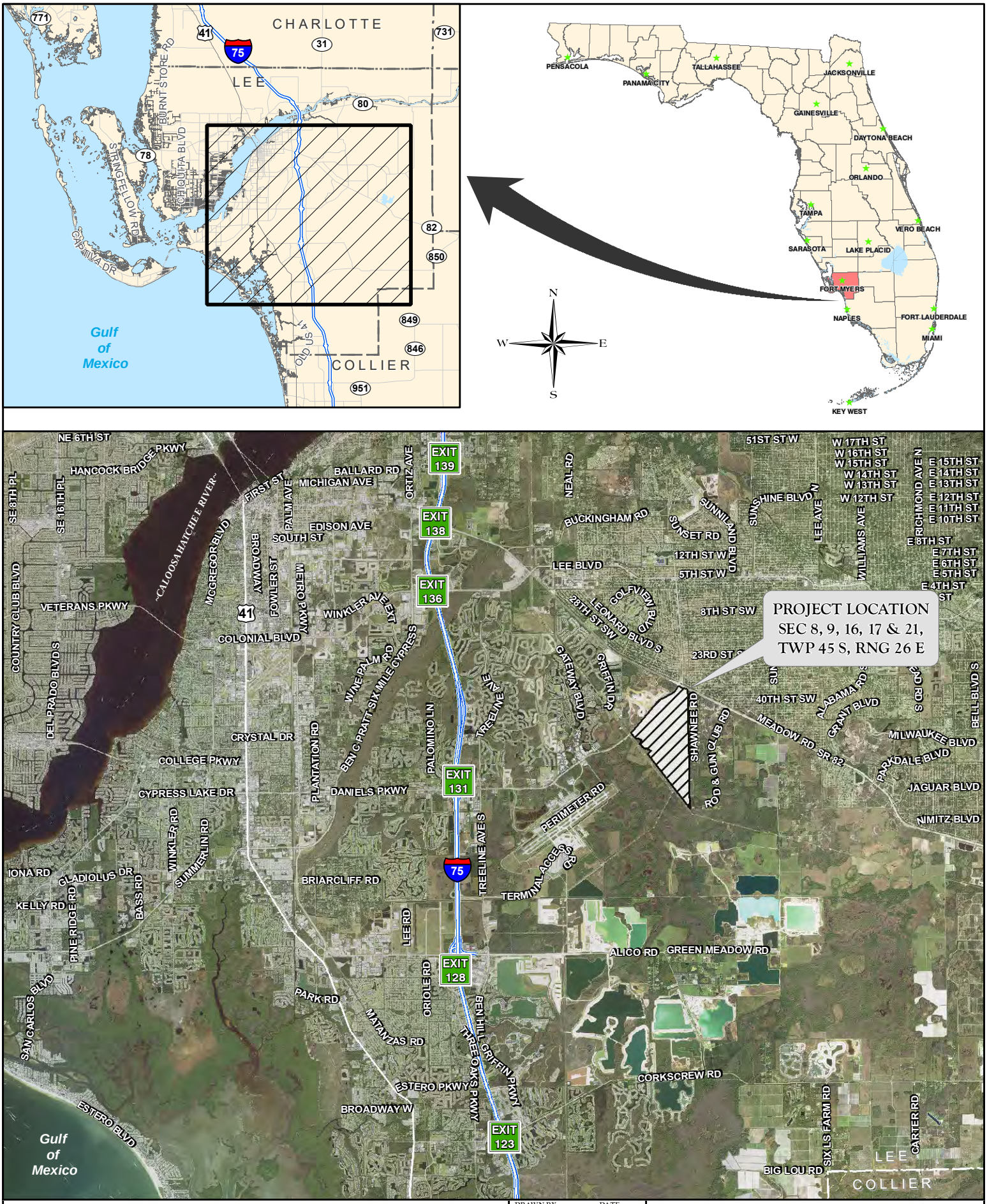
The Project totals 1,233.08± acres and is located in Sections 8, 9, 16, 17, and 21; Township 45 South; Range 26 East; Lee County (Figure 1). The site is bordered to the north by Daniels Parkway, to the east by single-family residential development and undeveloped land, to the west by a Florida Power & Light (FPL) transmission line and undeveloped land, and to the south by Lee County's Wild Turkey Strand Preserve. (Appendix A).

The property currently consists of indigenous and non-indigenous upland and wetland habitats, ditches, and pastures that are currently being utilized for cattle grazing.

LAND USES AND VEGETATION ASSOCIATIONS

Vegetation and land cover mapping for the Project was conducted using Lee County 2020 rectified aerials. Groundtruthing of the vegetative communities was conducted in January 2020 utilizing the Florida Land Use, Cover and Forms Classification System (FLUCFCS) Levels III (Florida Department of Transportation 1999). Level IV FLUCFCS was utilized to denote disturbance and hydrologic conditions. "E" codes were used to identify levels of exotic and invasive vegetation (e.g., Brazilian pepper (*Schinus terebinthifolia*), melaleuca (*Melaleuca quinquenervia*), West Indian marsh grass (*Hymenachne amplexicaulis*), Wright's nutrush (*Scleria lacustris*), and torpedograss (*Panicum repens*)). AutoCAD Map 3D 2021 software was used to determine the acreage of each mapping area, produce summaries, and generate the FLUCFCS and Wetlands Map for the Project (Appendix B). An aerial photograph of the property with an overlay of the FLUCFCS and wetlands is provided as Appendix C.

A total of 50 vegetative and land cover types (i.e., FLUCFCS codes) were identified within the Project site. The dominant land uses on the property are improved pasture and low pasture, which together occupy 501.72± acres or 40.7 percent of the site. Ditches, berms, a cow pond, and disturbed land associated with the agricultural uses occupy 94.23± acres or approximately 7.6 percent of the site. The site contains disturbed native wetland systems including mixed wetland hardwoods, hydric pine, and freshwater marsh. The site also contains non-native wetland habitats including low pasture, hydric melaleuca, and hydric disturbed land. The on-site wetland habitats have been disturbed by ditching, cattle grazing activities, and exotic infestation. A summary of



J:\2019\19LL3192\GIS\2021\Environmental_Assessment_Report\Appendix\Figure1_Project_Location_Map.mxd - 9/27/2021 @ 9:18:44 AM

FIGURE 1. PROJECT LOCATION MAP
DANIELS PARKWAY SOUTH

DRAWN BY	DATE
P.F.	6/28/21
REVIEWED BY	DATE
J.T.	6/28/21
REVISED	DATE

PASSARELLA & ASSOCIATES, INC
Consulting Ecologists

the FLUCFCS codes with acreage breakdown and description of each FLUCFCS is presented in Appendix D. The Project site contains mature pine flatwoods which is considered a rare and unique upland habitat type according to the Lee County Comprehensive Plan.

SOILS

The soils for the property, per the Natural Resource Conservation Service (formerly the Soil Conservation Service), are shown on Appendix E. A brief description for each soil type per the Soil Survey of Lee County, Florida (U.S. Department of Agriculture 1984 and 2020) is presented in Appendix F.

JURISDICTIONAL WETLANDS

The jurisdictional wetlands and "other surface waters" (OSWs) by FLUCFCS code are summarized in Table 1. South Florida Water Management District (SFWMD) jurisdictional wetlands constitute a total of 532.51± acres or 43.2 percent of the Project site. SFWMD jurisdictional OSWs constitute a total of 30.93± acres or 2.5 percent of the Project site. The wetlands and OSWs limits are per SFWMD formal wetland jurisdictional determination (Permit No. 36-107020-P) issued for the Project on May 9, 2022.

Table 1. SFWMD Wetland and OSW Acreages by FLUCFCS Code

FLUCFCS Code	Description	Acreage
262	Low Pasture	27.96
4241	Melaleuca, Hydric	133.24
4281 E3	Cabbage Palm, Hydric (50-75% Exotics)	11.15
514H	Ditch, Hydric	8.14
6179 E1	Mixed Wetland Hardwoods, Disturbed (0-24% Exotics)	30.69
6179 E2	Mixed Wetland Hardwoods, Disturbed (25-49% Exotics)	1.77
6179 E3	Mixed Wetland Hardwoods, Disturbed (50-75% Exotics)	1.48
6179 E4	Mixed Wetland Hardwoods, Disturbed (76-100% Exotics)	3.35
6219 E1	Cypress, Disturbed (0-24% Exotics)	17.46
6219 E2	Cypress, Disturbed (25-49% Exotics)	48.22
6219 E3	Cypress, Disturbed (50-75% Exotics)	11.9
6219 E4	Cypress, Disturbed (76-100% Exotics)	8.66
6259 E1	Pine, Hydric, Disturbed (0-24% Exotics)	1.37
6259 E2	Pine, Hydric, Disturbed (25-49% Exotics)	11.69
6259 E3	Pine, Hydric, Disturbed (50-75% Exotics)	25.38
6259 E4	Pine, Hydric, Disturbed (76-100% Exotics)	1.72
6319 E2	Wetland Shrub, Disturbed (25-49% Exotics)	5.63
6419 E1	Freshwater Marsh, Disturbed (0-24% Exotics)	15.59
6419 E2	Freshwater Marsh, Disturbed (25-49% Exotics)	2.67
6419 E3	Freshwater Marsh, Disturbed (50-75% Exotics)	17.65

Table 1. (Continued)

FLUCFCS Code	Description	Acreage
6419 E4	Freshwater Marsh, Disturbed (76-100% Exotics)	126.88
6439 E3	Wet Prairies, Disturbed (50-75% Exotics)	7.24
6439 E4	Wet Prairies, Disturbed (76-100% Exotics)	3.37
7401	Disturbed Land, Hydric	9.30
Wetlands Total		**532.51**
OSWs		
514	Ditch	30.71
525	Cow Pond	0.22
OSWs Total		**30.93**

The prominent wetland features consist of freshwater marshes and melaleuca infested wetlands found throughout the Project site. A U.S. Geological Survey Quadrangle Map is provided as Appendix G. This map shows the location of some of the wetland systems within the Project.

LISTED SPECIES

Listed wildlife species as listed by the FWCC and the USFWS that have the potential to occur on the Project site are listed in Table 2 (FWCC 2021 and USFWS 1999). Listed plant species as listed by the FDACS and the USFWS (FDACS Chapter 5B-40) that have the potential to occur on the Project site are listed in Table 3. Information used in assessing the potential occurrence of these species included the Lee County Land Development Code, Field Guide to the Rare Plants of Florida (Chafin 2000), Atlas of Florida Vascular Plants (Wunderlin 2004), and professional experience and knowledge of the geographic region. In addition, FWCC and USFWS records for documented listed species were reviewed for listed species records on or adjacent to the property (Appendix H).

Table 2. Listed Wildlife Species That Could Potentially Occur within the Project

Common Name	Scientific Name	Designated Status		Potential Habitats (FLUCFCS Code)
		FWCC	USFWS	
Amphibians and Reptiles				
American alligator	*Alligator mississippiensis*	FT(S/A)	FT(S/A)	262, 514, 514H, 525, 6219, 6419, 7401
Eastern indigo snake	*Drymarchon corais couperi*	FT	FT	3219, 4119, 4159, 4279, 4281
Gopher frog	*Lithobates capito*	**	-	3219, 4119, 4159, 4349, 6219
Gopher tortoise	*Gopherus polyphemus*	ST	*	211, 3219, 4119, 4159, 4279, 4349, 740, 743, 747

Table 2. (Continued)

Common Name	Scientific Name	Designated Status		Potential Habitats (FLUCFCS Code)
		FWCC	USFWS	
Birds				
Crested caracara	*Caracara cheriway*	FT	FT	211, 3219, 4281, 747
Everglade snail kite	*Rostrhamus sociabilis plumbeus*	FE	FE	262, 514, 514H, 525, 6419, 6439
Florida burrowing owl	*Athene cunicularia floridana*	ST	-	211, 740
Florida sandhill crane	*Grus canadensis pratensis*	ST	-	211, 262, 3219, 6419
Little blue heron	*Egretta caerulea*	ST	-	262, 4241, 514, 514H, 525, 6179, 6219, 6259, 6319, 6419, 6439, 7401
Red-cockaded woodpecker	*Picoides borealis*	FE	FE	4119, 4159, 6259
Roseate spoonbill	*Platalea ajaja*	ST	-	262, 514, 514H, 525, 6419, 6439
Southeastern American kestrel	*Falco sparverius paulus*	ST	-	3219, 4119, 4159, 6259
Snowy Egret	*Egretta thula*	**	-	262, 4241, 514, 514H, 525, 6179, 6219, 6259, 6319, 6419, 6439, 7401
Tri-colored heron	*Egretta tricolor*	ST	-	262, 4241, 514, 514H, 525, 6179, 6219, 6259, 6319, 6419, 6439, 7401
Wood stork	*Mycteria americana*	FT	FT	262, 514, 514H, 525, 6219, 6319, 6419, 6439, 7401
Mammals				
Big Cypress fox squirrel	*Sciurus niger avicennia*	ST	-	4119, 4159, 424, 4241, 4279, 4349, 4389, 6179, 6219, 6259, 747
Florida black bear	*Ursus americanus floridanus*	**	-	3219, 4119, 4159, 422, 4279, 4281, 4349, 4389, 6179, 6219, 6259, 6319
Florida bonneted bat	*Eumops floridanus*	FE	FE	4119, 4159, 6259
Florida panther	*Puma concolor coryi*	FE	FE	3219, 4119, 4159, 4279, 4281, 4349, 4389, 6179, 6219, 6319, 6259, 6419

FWCC – Florida Fish and Wildlife Conservation Commission
USFWS – U.S. Fish and Wildlife Service
FE – Federally Endangered
FT – Federally Threatened
FT(S/A) – Federally Threatened Due to Similarity of Appearance
ST – State Threatened
*The gopher tortoise is currently listed as a candidate species by the USFWS.
**No longer listed by the FWCC; however, certain protection measures still apply.

Table 3. Listed Plant Species That Could Potentially Occur within the Project

Common name	Scientific Name	Designated Status		Potential Location (FLUCFCS Code)
		FDACS	USFWS	
Cardinal airplant	*Tillandsia fasciculata*	E	-	4119, 4159, 4349, 6179
Giant wild pine	*Tillandsia utriculata*	E	-	4119, 4159, 4349, 6179
Twisted airplant	*Tillandsia flexuosa*	T	-	4119, 4159, 4349, 4279, 6179
Curtiss' milkweed	*Asclepias curtissii*	E	-	3219
Fakahatchee burmannia	*Burmannia flava*	E	-	3219, 4119
Hand-adder's tongue fern	*Ophioglossum palmatum*	E	-	4279
Butterfly orchid	*Encyclia tampensis*	CE	-	4119, 4159, 4349, 6179
Satinleaf	*Chrysophyllum olivaeforme*	T	-	4119
Simpson's stopper	*Myrcianthes fragrans* var. *simpsonii*	T	-	4279, 4281
Florida coontie	*Zamia floridana*	CE	-	3219, 4119
Beautiful pawpaw	*Deeringothamnus pulchellus*	E	E	3219, 4119

FDACS – Florida Department of Agriculture and Consumer Services
USFWS – U.S. Fish and Wildlife Service
CE – Commercially Exploited
E – Endangered
T – Threatened

American Alligator (*Alligator mississippiensis*)
The American alligator could potentially occur within the ditches, open water habitats, and wetlands within the site.

Eastern Indigo Snake (*Drymarchon corais couperi*)
The Eastern indigo snake could potentially occur within the pastures and native uplands on the Project site. The Eastern indigo snake is typically found in association with populations of gopher tortoise (*Gopherus polyphemus*).

Gopher Tortoise (*Gopherus polyphemus*)
Potential habitat for gopher tortoises on the Project site includes pasture areas, upland pine (*Pinus* sp.) forest, palmetto prairies, hardwood habitats, disturbed lands, spoil areas, and berms.

Crested Caracara (*Caracara cheriway*)
Potential foraging habitat for the crested caracara on the Project site includes pasture areas and palmetto prairies. Its primary habitat in Florida is the native prairie with associated marshes, cabbage palm (*Sabal palmetto*), and cabbage palm/live oak (*Quercus virginiana*) hammocks (Rodgers *et al.* 1996).

Everglade Snail Kite (*Rostrhamus sociabilis plumbeus*)
Potential foraging habitat for the Everglade snail kite includes ditches, low pastures, freshwater marshes, and wet prairies on the Project site.

Florida Burrowing Owl (*Athene cunicularia floridana*)
Potential burrowing owl habitat exists within the improved pasture and disturbed land on the Project site.

Florida Sandhill Crane (*Grus canadensis pratensis*)
Potential foraging habitat for the Florida sandhill crane may exist within the Project's improved pastures, low pasture, palmetto prairies, freshwater marshes, wet prairies, and hydric disturbed lands. Preferred sandhill crane habitat includes prairies and shallow marshes dominated by pickerelweed (*Pontederia cordata*) and maidencane (*Panicum hemitomon*).

Little Blue Heron (*Egretta caerulea*) and Tri-Colored Heron (*Egretta tricolor*)
Potential foraging habitat for state-listed wading birds within the Project site includes the forested and herbaceous wetlands, ditches, and low pasture.

Red-Cockaded Woodpecker (*Picoides borealis*)
Potential habitat for the red-cockaded woodpecker on the Project site includes the pine flatwoods, pine, and hydric pine habitats.

Roseate Spoonbill (*Ajaia ajaja*)
Potential habitat for the roseate spoonbill on the Project site includes freshwater marsh habitats, ditches, and low pasture.

Southeastern American Kestrel (*Falco sparverius paulus*)
Potential foraging habitat for the Southeastern American kestrel on the Project site may exist within the palmetto prairies, pine flatwoods, pine, and disturbed lands. Since 1980, observations of Southeastern American kestrel in Florida have occurred primarily in sandhill or sand pine (Pinus clausa) scrub areas of North and Central Florida (Rodgers *et al.* 1996).

Wood Stork (*Mycteria americana*)
Potential wood stork foraging habitat within the Project site includes forested and herbaceous wetlands, hydric disturbed land, and ditches. Almost any wetland depression where fish tend to become concentrated, either through local reproduction by fishes or as a consequence of area drying, may be good for feeding habitat (Rodgers *et al*. 1996).

Big Cypress Fox Squirrel (*Sciurus niger avicennia*)
Potential nesting and foraging habitat for the Big Cypress fox squirrel includes the pine flatwoods, pine, hydric pine, hardwood/conifer, mixed wetland hardwoods, and hydric melaleuca. Dense interiors of mixed cypress-hardwood strands seem to be avoided by fox squirrels (Moler 1992).

Florida Black Bear (*Ursus americanus floridanus*)
Potential habitat for the Florida black bear includes the native upland and wetland forested habitats on the Project site. The USFWS and FWCC have documented occurrences of Florida black bear to the north (across State Road (SR) 82) of the Project site.

Florida Bonneted Bat (*Eumops floridanus*)
Florida bonneted bats could potentially roost within the forested upland and wetland habitats on the Project site, and/or forage over the herbaceous wetlands. The Florida bonneted bat is known to occur in cities and forested areas on both the east and west coasts of South Florida from Charlotte County to Palm Beach County (Marks and Marks 2006; Humphrey 1992).

Florida Panther (*Puma concolor coryi*)
Portions of the Project are located within the Florida panther primary and secondary zones (Kautz *et al.* 2006). Twelve telemetry points from radio-collared panthers have been recorded by the FWCC on the property (Appendix H). The Florida panther telemetry points are primarily found in the southern portion of the proposed site which will be restored and preserved. These telemetry points are from Florida Panther (FP) Nos. 257 and 173. According to the FWCC's Annual Report on the Research and Management of Florida Panthers (FWCC 2020), FP 257 is an adult female that has been documented 11 times on the Project site between March 2019 and January 2020 with a use area that includes the Lee County Port Authority Mitigation Area. FP 173 was an adult male last documented on the Project site in September 2010 and reported as dead in December 2010 as a result of pseudorabies.

A Lee County protected species survey was conducted on the Project site for ten days between May 11 and June 24, 2021. A total of one gopher tortoise, two crested caracara, one Florida sandhill crane, five wood storks, six Big Cypress fox squirrel, and Florida panther tracks were observed on the Project site during the protected species survey. The gopher tortoise, Florida sandhill crane, and Big Cypress fox squirrel are listed as threatened by the FWCC (2021). The crested caracara and wood stork are listed as federally threatened by the FWCC and the USFWS. The Florida panther is listed as federally endangered by the FWCC and the USFWS. A crested caracara nest was previously documented in the northern portion of the property. This nest was active during the 2020-2021 caracara nesting season. No other listed species nests or nesting activity were observed on the Project during the protected species survey. A summary of the listed wildlife species and their sign (i.e., tracks, nests) documented within the Project are provided in Table 4. The locations of the observed listed species and their sign are depicted in Appendix I.

Table 4. Listed Wildlife Species Observed

Common Name	Scientific Name	Designated Status		Observed Location (FLUCFCS Code)
		FWCC	USFWS	
Birds				
Crested caracara	*Caracara cheriway*	FT	FT	747
Crested caracara nest	*Caracara cheriway*	FT	FT	211
Florida sandhill crane	*Grus canadensis pratensis*	ST	-	211
Wood stork	*Mycteria americana*	FT	FT	6419 E3

Table 4. (Continued)

Common Name	Scientific Name	Designated Status		Observed Location (FLUCFCS Code)
		FWCC	USFWS	
Reptiles				
Gopher tortoise	*Gopherus polyphemus*	ST	*	4119 E1
Mammals				
Big Cypress fox squirrel	*Sciurus niger avicennia*	ST	-	4119 E1, 4241, 4349 E1, 6179 E1
Florida panther (tracks)	*Puma concolor coryi*	FE	FE	6419 E4

FWCC – Florida Fish and Wildlife Conservation Commission
USFWS – U.S. Fish and Wildlife Service
FT – Federally Threatened
FE – Federally Endangered
ST – State Threatened
*The gopher tortoise is currently listed as a candidate species by the USFWS.

No Lee County protected plant species were observed on the property during the protected species survey. However, the giant wild pine (*Tillandsia utriculata*), common wild pine (*Tillandsia fasciculata*), Northern needleleaf (*Tillandsia balbisiana*), butterfly orchid (*Encyclia tampensis*), and rigid orchid (*Epidendrum rigidum*) were documented on the site. Although not listed as Lee County protected species, the giant wild pine, common wild pine, and rigid orchid are listed as endangered by the FDACS. The Northern needleleaf and butterfly orchid are listed by FDACS as threatened and commercially exploited, respectively. A summary of the listed plant species documented within the Project are provided in Table 5. The locations of the listed plant species observed are depicted on Appendix I.

Table 5. Listed Plant Species Observed

Common Name	Scientific Name	Designated Status		Observed Location (FLUCFCS Code)
		FDACS	USFWS	
Giant wild pine	*Tillandsia utriculata*	E	-	4159 E1, 4159 E2, 4241
Common wild pine	*Tillandsia fasciculata*	E	-	6219 E1, 6219 E2, 6219 E3
Northern needleleaf	*Tillandsia balbisiana*	CE	-	6219 E1, 6219 E2
Butterfly orchid	*Encyclia tampensis*	CE	-	6219 E2, 6319 E2
Rigid orchid	*Epidendrum rigidum*	E	-	6219 E2

FDACS – Florida Department of Agriculture and Consumer Services
USFWS – U.S. Fish and Wildlife Service
E – Endangered
CE – Commercially Exploited

SUMMARY

A total of 50 vegetative and land cover types (i.e., FLUCFCS codes) were identified within the Project site. SFWMD jurisdictional wetlands constitute a total of 532.51± acres or 43.2 percent of the Project site. SFWMD jurisdictional OSWs constitute a total of 30.93± acres or 2.5 percent of the Project site. The Project site contains mature pine flatwoods which is considered a rare and unique upland habitat type according to the Lee County Comprehensive Plan.

FWCC and USFWS listed species occurrence records show 12 Florida panther telemetry points on the Project site. The telemetry points are primarily located on the southern portion of the Project site. FWCC and USFWS records also show documented occurrences of Florida black bear to the north (across SR 82) of the Project site.

A Lee County protected species survey was conducted on the Project site between May 11 and June 24, 2021. Listed species were also documented during other fieldwork conducted on the Project. A total of one gopher tortoise, two crested caracara, one Florida sandhill crane, five wood storks, six Big Cypress fox squirrel, and Florida panther tracks were observed on the Project site during the protected species survey and other fieldwork. The gopher tortoise, Florida sandhill crane, and Big Cypress fox squirrel are listed as threatened by the FWCC (2021). The crested caracara and wood stork are listed as federally threatened by FWCC and USFWS. The Florida panther is listed as federally endangered by FWCC and USFWS. A crested caracara nest was previously documented in the northern portion of the property. This nest was active during the 2020-2021 caracara nesting season.

No Lee County protected plant species were observed on the property during the protected species survey. However, the giant wild pine, common wild pine, Northern needleleaf, butterfly orchid, and rigid orchid were documented on the site. Although not listed as Lee County protected species, the giant wild pine, common wild pine, and rigid orchid are listed as endangered by the FDACS. The Northern needleleaf and butterfly orchid are listed by FDACS as threatened and commercially exploited, respectively.

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APPENDIX A

AERIAL WITH BOUNDARY



LEGEND

DANIELS PARKWAY SOUTH

0 1,000 2,000

Feet

NOTES:

AERIAL PHOTOGRAPHS WERE ACQUIRED THROUGH THE LEE COUNTY PROPERTY APPRAISER'S OFFICE WITH A FLIGHT DATE OF JANUARY MAY 2020.

PROPERTY BOUNDARY PER MORRIS-DEPEW DRAWING No. 21008 - WETLAND FLAG LOCATION-CLIENT.DWG DATED JUNE 16, 2021.

DRAWN BY	DATE
P.F.	6/28/21
REVIEWED BY	DATE
C.R.	6/28/21
REVISED	DATE

13620 Metropolis Avenue
Suite 200
Fort Myers, Florida 33912
Phone (239) 274-0067
Fax (239) 274-0069

PASSARELLA & ASSOCIATES INC
Consulting Ecologists

DANIELS PARKWAY SOUTH

AERIAL WITH BOUNDARY

DRAWING No. 19LLL3192

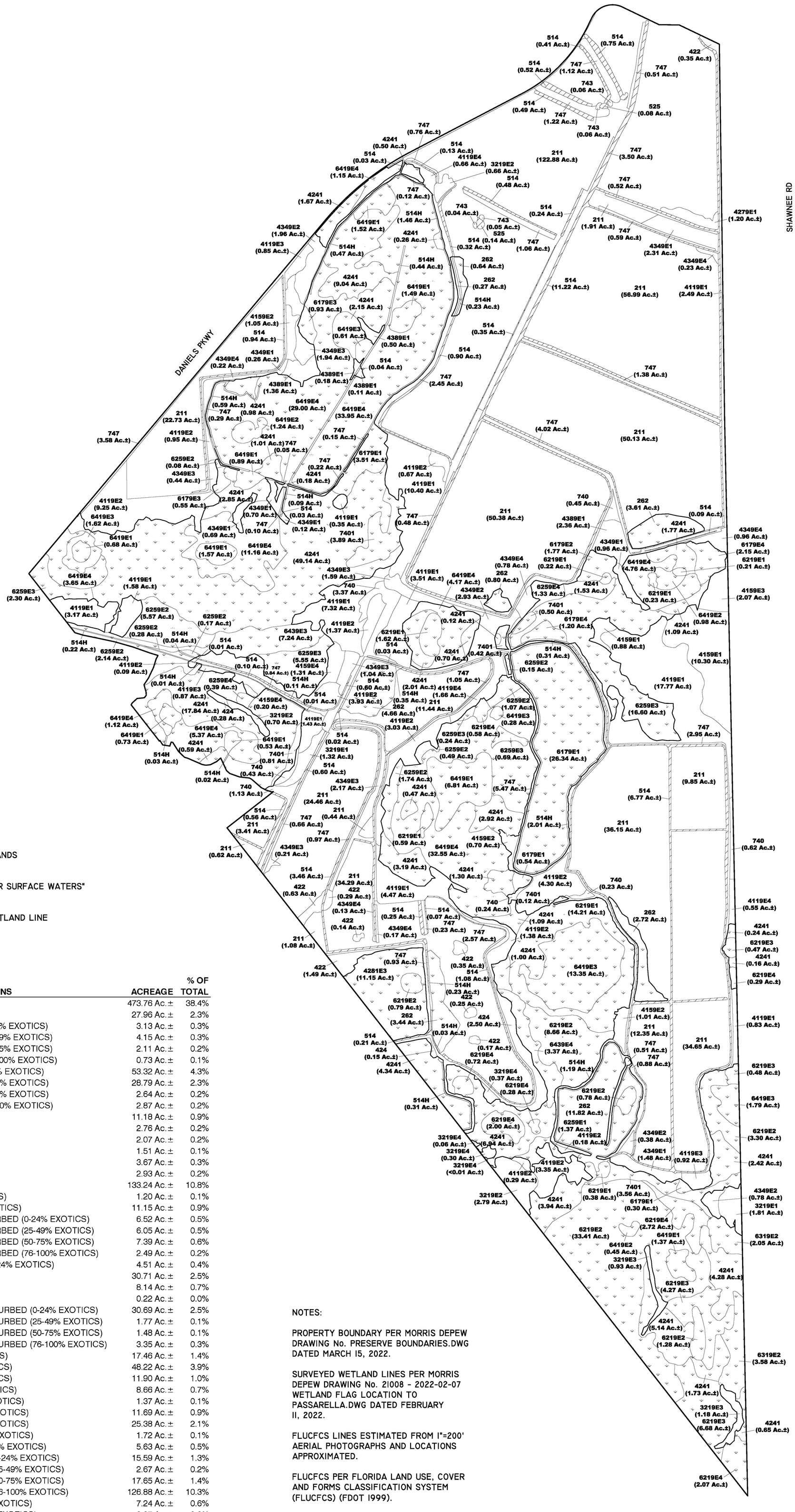
SHEET No. APPENDIX A

J:\2019\19LLL3192\GIS\2021\Environmental_Assessment_Report\Appendix\Appendix_A_Aerial_with_Boundary.mxd - 9/27/2021 @ 9:23:25 AM

APPENDIX B

FLUCFCS AND WETLANDS MAP

SCALE: 1" = 500'



LEGEND:

SFWMD WETLANDS (532.51 Ac.±)

SFWMD "OTHER SURFACE WATERS" (30.93 Ac.±)

SURVEYED WETLAND LINE

FLUCFCS CODES	DESCRIPTIONS	ACREAGE	% OF TOTAL
211	IMPROVED PASTURE	473.76 Ac.±	38.4%
262	LOW PASTURE	27.96 Ac.±	2.3%
3219 E1	PALMETTO PRAIRIE, DISTURBED (0-24% EXOTICS)	3.13 Ac.±	0.3%
3219 E2	PALMETTO PRAIRIE, DISTURBED (25-49% EXOTICS)	4.15 Ac.±	0.3%
3219 E3	PALMETTO PRAIRIE, DISTURBED (50-75% EXOTICS)	2.11 Ac.±	0.2%
3219 E4	PALMETTO PRAIRIE, DISTURBED (76-100% EXOTICS)	0.73 Ac.±	0.1%
4119 E1	PINE FLATWOODS, DISTURBED (0-24% EXOTICS)	53.32 Ac.±	4.3%
4119 E2	PINE FLATWOODS, DISTURBED (25-49% EXOTICS)	28.79 Ac.±	2.3%
4119 E3	PINE FLATWOODS, DISTURBED (50-75% EXOTICS)	2.64 Ac.±	0.2%
4119 E4	PINE FLATWOODS, DISTURBED (76-100% EXOTICS)	2.87 Ac.±	0.2%
4159 E1	PINE, DISTURBED (0-24% EXOTICS)	11.18 Ac.±	0.9%
4159 E2	PINE, DISTURBED (25-49% EXOTICS)	2.76 Ac.±	0.2%
4159 E3	PINE, DISTURBED (50-75% EXOTICS)	2.07 Ac.±	0.2%
4159 E4	PINE, DISTURBED (76-100% EXOTICS)	1.51 Ac.±	0.1%
422	BRAZILIAN PEPPER	3.67 Ac.±	0.3%
424	MELALEUCA	2.93 Ac.±	0.2%
4241	MELALEUCA, HYDRIC	133.24 Ac.±	10.8%
4279 E1	LIVE OAK, DISTURBED (0-24% EXOTICS)	1.20 Ac.±	0.1%
4281 E3	CABBAGE PALM, HYDRIC (50-75% EXOTICS)	11.15 Ac.±	0.9%
4349 E1	HARDWOOD/CONIFER MIXED, DISTURBED (0-24% EXOTICS)	6.52 Ac.±	0.5%
4349 E2	HARDWOOD/CONIFER MIXED, DISTURBED (25-49% EXOTICS)	6.05 Ac.±	0.5%
4349 E3	HARDWOOD/CONIFER MIXED, DISTURBED (50-75% EXOTICS)	7.39 Ac.±	0.6%
4349 E4	HARDWOOD/CONIFER MIXED, DISTURBED (76-100% EXOTICS)	2.49 Ac.±	0.2%
4389 E1	MIXED HARDWOODS, DISTURBED (0-24% EXOTICS)	4.51 Ac.±	0.4%
514	DITCH	30.71 Ac.±	2.5%
514 H	DITCH, HYDRIC	8.14 Ac.±	0.7%
525	COW POND	0.22 Ac.±	0.0%
6179 E1	MIXED WETLAND HARDWOODS, DISTURBED (0-24% EXOTICS)	30.69 Ac.±	2.5%
6179 E2	MIXED WETLAND HARDWOODS, DISTURBED (25-49% EXOTICS)	1.77 Ac.±	0.1%
6179 E3	MIXED WETLAND HARDWOODS, DISTURBED (50-75% EXOTICS)	1.48 Ac.±	0.1%
6179 E4	MIXED WETLAND HARDWOODS, DISTURBED (76-100% EXOTICS)	3.35 Ac.±	0.3%
6219 E1	CYPRESS, DISTURBED (0-24% EXOTICS)	17.46 Ac.±	1.4%
6219 E2	CYPRESS, DISTURBED (25-49% EXOTICS)	48.22 Ac.±	3.9%
6219 E3	CYPRESS, DISTURBED (50-75% EXOTICS)	11.90 Ac.±	1.0%
6219 E4	CYPRESS, DISTURBED (76-100% EXOTICS)	8.66 Ac.±	0.7%
6259 E1	PINE, HYDRIC, DISTURBED (0-24% EXOTICS)	1.37 Ac.±	0.1%
6259 E2	PINE, HYDRIC, DISTURBED (25-49% EXOTICS)	11.69 Ac.±	0.9%
6259 E3	PINE, HYDRIC, DISTURBED (50-75% EXOTICS)	25.38 Ac.±	2.1%
6259 E4	PINE, HYDRIC, DISTURBED (76-100% EXOTICS)	1.72 Ac.±	0.1%
6319 E2	WETLAND SHRUB, DISTURBED (25-49% EXOTICS)	5.63 Ac.±	0.5%
6419 E1	FRESHWATER MARSH, DISTURBED (0-24% EXOTICS)	15.59 Ac.±	1.3%
6419 E2	FRESHWATER MARSH, DISTURBED (25-49% EXOTICS)	2.67 Ac.±	0.2%
6419 E3	FRESHWATER MARSH, DISTURBED (50-75% EXOTICS)	17.65 Ac.±	1.4%
6419 E4	FRESHWATER MARSH, DISTURBED (76-100% EXOTICS)	126.88 Ac.±	10.3%
6439 E3	WET PRAIRIES, DISTURBED (50-75% EXOTICS)	7.24 Ac.±	0.6%
6439 E4	WET PRAIRIES, DISTURBED (76-100% EXOTICS)	3.37 Ac.±	0.3%
740	DISTURBED LAND	6.47 Ac.±	0.5%
7401	DISTURBED LAND, HYDRIC	9.30 Ac.±	0.8%
743	SPOIL AREA	0.21 Ac.±	0.0%
747	BERM	39.18 Ac.±	3.2%
	TOTAL	**1233.08 Ac.±**	**100.0%**

NOTES:

PROPERTY BOUNDARY PER MORRIS DEPEW DRAWING No. PRESERVE BOUNDARIES.DWG DATED MARCH 15, 2022.

SURVEYED WETLAND LINES PER MORRIS DEPEW DRAWING No. 21008 - 2022-02-07 WETLAND FLAG LOCATION TO PASSARELLA.DWG DATED FEBRUARY 11, 2022.

FLUCFCS LINES ESTIMATED FROM 1"=200' AERIAL PHOTOGRAPHS AND LOCATIONS APPROXIMATED.

FLUCFCS PER FLORIDA LAND USE, COVER AND FORMS CLASSIFICATION SYSTEM (FLUCFCS) (FDOT 1999).

SFWMD WETLANDS AND OSW LINES PER FORMAL WETLAND JURISDICTIONAL DETERMINATION No. 36-107020-P ISSUED ON MAY 9, 2022.

J:\2019\19LLL3192\2021\ENVIRONMENTAL ASSESSMENT FOR COMP PLAN\APPENDIX B FLUCFCS AND WETLANDS MAP 032222.DWG TAB: 500 SCALE MAY 25, 2022 - 11:58AM PLOTTED BY: THONE

DRAWN BY	P.F./T.S.
DATE	3/22/22
DESIGNED BY	J.T./B.T.
DATE	3/22/22
REVISED	
DATE	

13620 Metropolis Avenue
Suite 200
Ft. Myers, FL 33912
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Fax (239) 274-0069

PASSARELLA & ASSOCIATES INC
Consulting Ecologists

DANIELS PARKWAY SOUTH

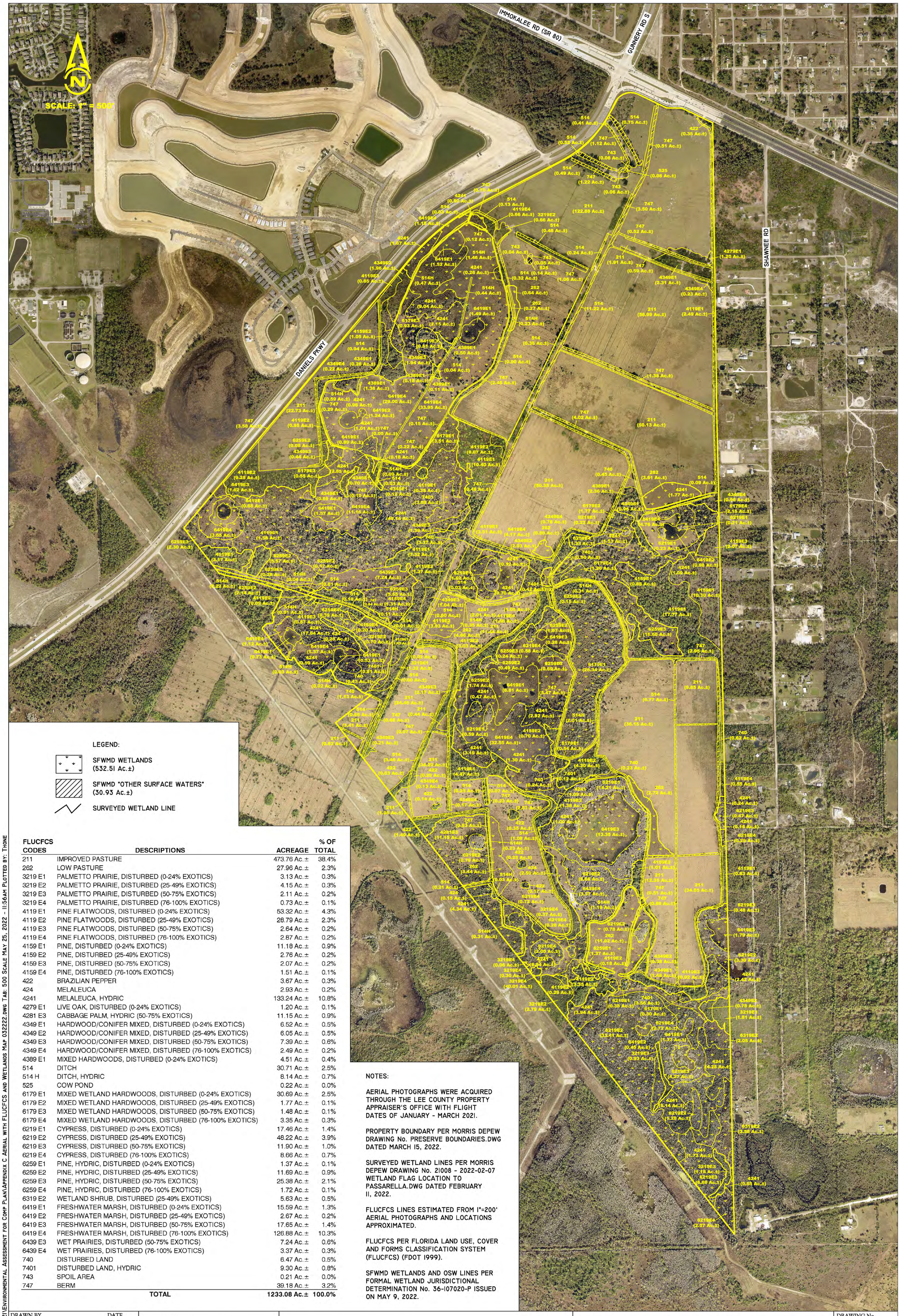
FLUCFCS AND WETLANDS MAP

DRAWING No. 19lll3192

SHEET No. APPENDIX B

APPENDIX C

AERIAL WITH FLUCFCS AND WETLANDS MAP



LEGEND:

SFWMD WETLANDS (532.51 Ac.±)

SFWMD "OTHER SURFACE WATERS" (30.93 Ac.±)

SURVEYED WETLAND LINE

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3219 E4	PALMETTO PRAIRIE, DISTURBED (76-100% EXOTICS)	0.73 Ac.±	0.1%
4119 E1	PINE FLATWOODS, DISTURBED (0-24% EXOTICS)	53.32 Ac.±	4.3%
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4349 E3	HARDWOOD/CONIFER MIXED, DISTURBED (50-75% EXOTICS)	7.39 Ac.±	0.6%
4349 E4	HARDWOOD/CONIFER MIXED, DISTURBED (76-100% EXOTICS)	2.49 Ac.±	0.2%
4389 E1	MIXED HARDWOODS, DISTURBED (0-24% EXOTICS)	4.51 Ac.±	0.4%
514	DITCH	30.71 Ac.±	2.5%
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6179 E3	MIXED WETLAND HARDWOODS, DISTURBED (50-75% EXOTICS)	1.48 Ac.±	0.1%
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743	SPOIL AREA	0.21 Ac.±	0.0%
747	BERM	39.18 Ac.±	3.2%
	TOTAL	**1233.08 Ac.±**	**100.0%**

NOTES:

AERIAL PHOTOGRAPHS WERE ACQUIRED THROUGH THE LEE COUNTY PROPERTY APPRAISER'S OFFICE WITH FLIGHT DATES OF JANUARY - MARCH 2021.

PROPERTY BOUNDARY PER MORRIS DEPEW DRAWING No. PRESERVE BOUNDARIES.DWG DATED MARCH 15, 2022.

SURVEYED WETLAND LINES PER MORRIS DEPEW DRAWING No. 21008 - 2022-02-07 WETLAND FLAG LOCATION TO PASSARELLA.DWG DATED FEBRUARY 11, 2022.

FLUCFCS LINES ESTIMATED FROM 1"=200' AERIAL PHOTOGRAPHS AND LOCATIONS APPROXIMATED.

FLUCFCS PER FLORIDA LAND USE, COVER AND FORMS CLASSIFICATION SYSTEM (FLUCFCS) (FDOT 1999).

SFWMD WETLANDS AND OSW LINES PER FORMAL WETLAND JURISDICTIONAL DETERMINATION No. 36-107020-P ISSUED ON MAY 9, 2022.

J:\2019\19LL3192\2021\Environmental Assessment for Comp Plan\Appendix C Aerial with FLUCFCS and Wetlands Map 032222.dwg Tab: 500 Scale May 25, 2022 - 11:56am Plotted by: Thone

DRAWN BY	DATE
P.F./T.S.	3/22/22
DESIGNED BY	DATE
J.T./B.T.	3/22/22
REVISED	DATE

13620 Metropolis Avenue
Suite 200
Ft. Myers, FL 33912
Phone (239) 274-0067
Fax (239) 274-0069

Passarella & Associates Inc
Consulting Ecologists

DANIELS PARKWAY SOUTH

AERIAL WITH FLUCFCS AND WETLANDS MAP

DRAWING No. 19lll3192

SHEET No. APPENDIX C

APPENDIX D

EXISTING LAND USE AND COVER SUMMARY TABLE AND FLUCFCS DESCRIPTIONS

DANIELS PARKWAY SOUTH
EXISTING LAND USE AND COVER SUMMARY TABLE
AND FLUCFCS DESCRIPTIONS

Table 1 provides a summary and an acreage breakdown of the existing land use and habitat cover types (i.e., Florida Land Use, Cover, and Forms Classification System (FLUCFCS) codes) found on the Daniels Road South parcel (Project), while a description of each of the FLUCFCS classifications follows.

Table 1. Existing Land Use and Cover Summary

FLUCFCS Code	Description	Acreage	Percent Total
211	Improved Pasture	473.76	38.4
262	Low Pasture	27.96	2.3
3219 E1	Palmetto Prairie, Disturbed (0-24% Exotics)	3.13	0.3
3219 E2	Palmetto Prairie, Disturbed (25-49% Exotics)	4.15	0.3
3219 E3	Palmetto Prairie, Disturbed (50-75% Exotics)	2.11	0.2
3219 E4	Palmetto Prairie, Disturbed (76-100% Exotics)	0.73	0.1
4119 E1	Pine Flatwoods, Disturbed (0-24% Exotics)	53.32	4.3
4119 E2	Pine Flatwoods, Disturbed (25-49% Exotics)	28.79	2.3
4119 E3	Pine Flatwoods, Disturbed (50-75% Exotics)	2.64	0.2
4119 E4	Pine Flatwoods, Disturbed (76-100% Exotics)	2.87	0.2
4159 E1	Pine, Disturbed (0-24% Exotics)	11.18	0.9
4159 E2	Pine, Disturbed (25-49% Exotics)	2.76	0.2
4159 E3	Pine, Disturbed (50-75% Exotics)	2.07	0.2
4159 E4	Pine, Disturbed (76-100% Exotics)	1.51	0.1
422	Brazilian Pepper	3.67	0.3
424	Melaleuca	2.93	0.2
4241	Melaleuca, Hydric	133.24	10.8
4279 E1	Live Oak, Disturbed (0-24% Exotics)	1.20	0.1
4281 E3	Cabbage Palm, Hydric (50-75% Exotics)	11.15	0.9
4349 E1	Hardwood/Conifer Mixed, Disturbed (0-24% Exotics)	6.52	0.5
4349 E2	Hardwood/Conifer Mixed, Disturbed (25-49% Exotics)	6.05	0.5
4349 E3	Hardwood/Conifer Mixed, Disturbed (50-75% Exotics)	7.39	0.6
4349 E4	Hardwood/Conifer Mixed, Disturbed (76-100% Exotics)	2.49	0.2
4389 E1	Mixed Hardwoods, Disturbed (0-24% Exotics)	4.51	0.4
514	Ditch	30.71	2.5
514 H	Ditch, Hydric	8.14	0.7
525	Cow Pond	0.22	< 0.1
6179 E1	Mixed Wetland Hardwoods, Disturbed (0-24% Exotics)	30.69	2.5
6179 E2	Mixed Wetland Hardwoods, Disturbed (25-49% Exotics)	1.77	0.1
6179 E3	Mixed Wetland Hardwoods, Disturbed (50-75% Exotics)	1.48	0.1

Table 1. (Continued)

FLUCFCS Code	Description	Acreage	Percent Total
6179 E4	Mixed Wetland Hardwoods, Disturbed (76-100% Exotics)	3.35	0.3
6219 E1	Cypress, Disturbed (0-24% Exotics)	17.46	1.4
6219 E2	Cypress, Disturbed (25-49% Exotics)	48.22	3.9
6219 E3	Cypress, Disturbed (50-75% Exotics)	11.90	1.0
6219 E4	Cypress, Disturbed (76-100% Exotics)	8.66	0.7
6259 E1	Pine, Hydric, Disturbed (0-24% Exotics)	1.37	0.1
6259 E2	Pine, Hydric, Disturbed (25-49% Exotics)	11.69	0.9
6259 E3	Pine, Hydric, Disturbed (50-75% Exotics)	25.38	2.1
6259 E4	Pine, Hydric, Disturbed (76-100% Exotics)	1.72	0.1
6319 E2	Wetland Shrub, Disturbed (25-49% Exotics)	5.63	0.5
6419 E1	Freshwater Marsh, Disturbed (0-24% Exotics)	15.59	1.3
6419 E2	Freshwater Marsh, Disturbed (25-49% Exotics)	2.67	0.2
6419 E3	Freshwater Marsh, Disturbed (50-75% Exotics)	17.65	1.4
6419 E4	Freshwater Marsh, Disturbed (76-100% Exotics)	126.88	10.3
6439 E3	Wet Prairies, Disturbed (50-75% Exotics)	7.24	0.6
6439 E4	Wet Prairies, Disturbed (76-100% Exotics)	3.37	0.3
740	Disturbed Land	6.47	0.5
7401	Disturbed Land, Hydric	9.30	0.8
743	Spoil Area	0.21	< 0.1
747	Berm	39.18	3.2
Total		**1,233.08**	**100.0**

Improved Pasture (FLUCFCS Code 211)
The canopy of this land use type is primarily open with scattered cabbage palm (*Sabal palmetto*) and melaleuca (*Melaleuca quinquenervia*). The sub-canopy contains scattered wax myrtle (*Morella cerifera*), live oak (*Quercus virginiana*), cabbage palm, and Brazilian pepper (*Schinus terebinthifolia*). The ground cover consists of bahiagrass (*Paspalum notatum*), carpetgrass (*Axonopus* sp.), broomsedge (*Andropogon virginicus*), dog fennel (*Eupatorium capillifolium*), grass-leaved goldenrod (*Euthamia graminifolia*), bermudagrass (*Cynodon dactylon*), and tropical soda apple (*Solanum viarum*).

Low Pasture (FLUCFCS Code 262)
The canopy and sub-canopy of this land use type are open. The ground cover includes torpedograss (*Panicum repens*), witchgrass (*Dichanthelium* sp.), dog fennel, marsh pennywort (*Hydrocotyle umbellata*), Wright's nutrush (*Scleria lacustris*), yellow-eyed grass (*Xyris* sp.), melaleuca, and Asiatic pennywort (*Centella asiatica*).

Palmetto Prairie, Disturbed (0-24% Exotics) (FLUCFCS Code 3219 E1)
The canopy of this habitat type is primarily open with scattered melaleuca on the edges. The sub-canopy contains saw palmetto (*Serenoa repens*) and scattered Brazilian pepper. The ground cover includes carpetgrass, chocolateweed (*Melochia spicata*), saw palmetto, and grass-leaved goldenrod.

Palmetto Prairie, Disturbed (25-49% Exotics) (FLUCFCS Code 3219 E2)
This habitat type is similar to FLUCFCS Code 3219 E1, but with 25 to 49 percent melaleuca in the sub-canopy.

Palmetto Prairie, Disturbed (50-75% Exotics) (FLUCFCS Code 3219 E3)
This habitat type is similar to FLUCFCS Code 3219 E2, but with 50 to 75 percent Brazilian pepper and melaleuca in the sub-canopy.

Palmetto Prairie, Disturbed (76-100% Exotics) (FLUCFCS Code 3219 E4)
This habitat type is similar to FLUCFCS Code 3219 E3, but with 76 to 100 percent Brazilian pepper and melaleuca in the canopy and sub-canopy.

Pine Flatwoods, Disturbed (0-24% Exotics) (FLUCFCS Code 4119 E1)
The canopy of this habitat type includes slash pine (*Pinus elliottii*) and live oak. The sub-canopy contains saw palmetto, muscadine grapevine (*Vitis rotundifolia*), slash pine, scattered laurel oak (*Quercus laurifolia*), and widely scattered wax myrtle and melaleuca. The ground cover includes bahiagrass, false fennel (*Eupatorium leptophyllum*), chocolateweed, live oak, little blue maidencane (*Amphicarpum muhlenbergianum*), muscadine grapevine, spermacoce (*Spermacoce verticillata*), broomsedge, and scattered saw palmetto.

Pine Flatwoods, Disturbed (25-49% Exotics) (FLUCFCS Code 4119 E2)
This habitat type is similar to FLUCFCS Code 4119 E1, but with 25 to 49 percent Brazilian pepper in sub-canopy.

Pine Flatwoods, Disturbed (50-75% Exotics) (FLUCFCS Code 4119 E3)
This habitat type is similar to FLUCFCS Code 4119 E2, but with 50 to 75 percent melaleuca and Brazilian pepper in the canopy and sub-canopy.

Pine Flatwoods, Disturbed (76-100% Exotics) (FLUCFCS Code 4119 E4)
This habitat type is similar to FLUCFCS Code 4119 E3, but with 76 to 100 percent melaleuca and Brazilian pepper in the canopy and sub-canopy.

Pine, Disturbed (0-25% Exotics) (FLUCFCS Code 4159 E1)
The canopy of this habitat type contains slash pine and scattered cabbage palm, live oak, and melaleuca. The sub-canopy consists of slash pine, cabbage palm, laurel oak, and widely scattered melaleuca and Brazilian pepper. The ground cover is primarily open with widely scattered spermacoce, muscadine grapevine, and carpetgrass.

Pine, Disturbed (25-49% Exotics) (FLUCFCS Code 4159 E2)
This habitat type is similar to FLUCFCS Code 4159 E1, but with 25 to 49 percent melaleuca and Brazilian pepper in the canopy and sub-canopy and spermacoce in the ground cover.

Pine, Disturbed (50-75% Exotics) (FLUCFCS Code 4159 E3)
This habitat type is similar to FLUCFCS Code 4159 E2, but with 50 to 75 percent earleaf acacia (*Acacia auriculiformis*), Java plum (*Syzygium cumini*), and Brazilian pepper in the sub-canopy and caesarweed (*Urena lobata*) in the ground cover.

Pine, Disturbed (76-100% Exotics) (FLUCFCS Code 4159 E4)
This habitat type is similar to FLUCFCS Code 4159 E3, but with 76 to 100 percent melaleuca in the canopy and sub-canopy.

Brazilian Pepper (FLUCFCS Code 422)
The canopy and sub-canopy of this habitat type contain Brazilian pepper and scattered melaleuca. The ground cover is primarily open and includes earleaf greenbrier (*Smilax auriculata*) and muscadine grapevine.

Melaleuca (FLUCFCS Code 424)
The canopy of this habitat type includes melaleuca and scattered Java plum. The sub-canopy contains Brazilian pepper, melaleuca, Java plum, and widely scattered slash pine, wax myrtle, and cabbage palm. The ground cover includes broomsedge, bahiagrass, dog fennel, spermacoce, cabbage palm, little blue maidencane, and scattered saw palmetto.

Melaleuca, Hydric (FLUCFCS Code 4241)
The canopy of this habitat type includes melaleuca. The sub-canopy contains melaleuca, Brazilian pepper, and cabbage palm. The ground cover includes little blue maidencane, broomsedge, torpedograss, sawgrass (*Cladium jamaicense*), swamp fern (*Telmatoblechnum serrulatum*), swamp flatsedge (*Cyperus ligularis*), Southern beaksedge (*Rhynchospora microcarpa*), Wright's nutrush, false hop sedge (*Carex lupuliformis*), and widely scattered maidencane (*Panicum hemitomon*).

Live Oak, Disturbed (0-24% Exotics) (FLUCFCS Code 4279 E1)
The canopy of this habitat type includes live oak and widely scattered slash pine. The sub-canopy contains scattered saw palmetto, live oak, and American beautyberry (*Callicarpa americana*). The ground cover is primarily open with scattered basketgrass (*Oplismenus* sp.) and caesarweed.

Cabbage Palm, Hydric (50-75% Exotics) (FLUCFCS Code 4281 E3)
The canopy of this habitat type includes cabbage palm. The sub-canopy contains cabbage palm, wax myrtle, and scattered melaleuca. The ground cover includes torpedograss, Wright's nutrush, little blue maidencane, saw palmetto, swamp flatsedge, Asiatic pennywort, marsh pennywort, broomsedge, and dog fennel.

Hardwood/Conifer Mixed, Disturbed (0-24% Exotics) (FLUCFCS Code 4349 E1)
The canopy of this habitat type includes slash pine, live oak, laurel oak, cabbage palm, and widely scattered melaleuca. The sub-canopy contains laurel oak, wax myrtle, Java plum, cabbage palm, slash pine, saw palmetto, live oak, Brazilian pepper, rusty staggerbush (*Lyonia ferruginea*), and widely scattered melaleuca. The ground cover includes carpetgrass, cabbage palm, muscadine grapevine, Asiatic pennywort, caesarweed, earleaf greenbrier, saw palmetto, dog fennel, broomsedge, and spermacoce.

Hardwood/Conifer Mixed, Disturbed (25-49% Exotics) (FLUCFCS Code 4349 E2)
This habitat type is similar to FLUCFCS Code 4349 E1, but with 25 to 49 percent Brazilian pepper in the sub-canopy.

Hardwood/Conifer Mixed, Disturbed (50-75% Exotics) (FLUCFCS Code 4349 E3)
This habitat type is similar to FLUCFCS Code 4349 E2, but with 50 to 75 percent Brazilian pepper in the sub-canopy and caesarweed in the ground cover.

Hardwood/Conifer Mixed, Disturbed (76-100% Exotics) (FLUCFCS Code 4349 E4)
This habitat type is similar to FLUCFCS Code 4349 E4, but with 76 to 100 percent earleaf acacia in the canopy and Brazilian pepper in the sub-canopy.

Mixed Hardwoods, Disturbed (0-24% Exotics) (FLUCFCS Code 4389 E1)
The canopy of this habitat type includes live oak, laurel oak, and scattered cabbage palm. The sub-canopy contains live oak, laurel oak, cabbage palm, and scattered myrsine (*Myrsine cubana*). The ground cover is primarily open with scattered live oak.

Ditch (FLUCFCS Codes 514)
The canopy of this land use type is open. The sub-canopy contains Brazilian pepper, cabbage palm, live oak, and slash pine along the edges. The ground cover includes dotted smartweed (*Persicaria punctata*), torpedograss, Asiatic pennywort, Gulf Coast spikerush (*Eleocharis cellulosa*), dwarf papyrus (*Cyperus haspan*), frog fruit (*Phyla nodiflora*), Mexican clover (*Richardia* sp.), and small-fruit primrose willow (*Ludwigia microcarpa*).

Ditch, Hydric (FLUCFCS Code 514H)
This habitat type is similar to FLUCFCS Code 514 with a higher prevalence of wetland vegetation species such as torpedograss.

Cow Pond (FLUCFCS Code 525)
The canopy and sub-canopy of this land use type are open. The ground cover includes scattered torpedograss along the edges.

Mixed Wetland Hardwoods, Disturbed (0-24% Exotics) (FLUCFCS Code 6179 E1)
The canopy of this habitat type includes laurel oak, cabbage palm, slash pine, and scattered bald cypress (*Taxodium distichum*). The sub-canopy contains laurel oak, myrsine, wax myrtle, Brazilian pepper, saltbush (*Baccharis halimifolia*), cabbage palm, and buckthorn (*Sideroxylon reclinatum*). The ground cover includes marsh pennywort, sawgrass, frog fruit, witchgrass, false fennel, broomsedge, little blue maidencane, climbing hempvine (*Mikania scandens*), earleaf greenbrier, Asiatic pennywort, Wright's nutrush, and gulfdune paspalum (*Paspalum monostachyum*).

Mixed Wetland Hardwoods, Disturbed (25-49% Exotics) (FLUCFCS Code 6179 E2)
This habitat type is similar to FLUCFCS Code 6179 E1, but with 25 to 49 percent melaleuca in the canopy and Brazilian pepper in the sub-canopy.

Mixed Wetland Hardwoods, Disturbed (50-75% Exotics) (FLUCFCS Code 6179 E3)
This habitat type is similar to FLUCFCS Code 6179 E2, but with 50 to 75 percent melaleuca in the canopy and Brazilian pepper in the sub-canopy.

Mixed Wetland Hardwoods, Disturbed (76-100% Exotics) (FLUCFCS Code 6179 E4)
This habitat type is similar to FLUCFCS Code 6179 E3, but with 76 to 100 percent Peruvian primrose willow (*Ludwigia peruviana*) in the sub-canopy.

Cypress, Disturbed (0-24% Exotics) (FLUCFCS Code 6219 E1)
The canopy of this habitat type includes bald cypress. The sub-canopy contains bald cypress, wax myrtle, and scattered Brazilian pepper and melaleuca. The ground cover includes sawgrass, marsh pennywort, little blue maidencane, and scattered West Indian marsh grass (*Hymenachne amplexicaulis*) and torpedograss.

Cypress, Disturbed (25-49% Exotics) (FLUCFCS Code 6219 E2)
This habitat type is similar to FLUCFCS Code 6219 E1, but with 25 to 49 percent Brazilian pepper in the sub-canopy and torpedograss and West Indian marsh grass in the ground cover.

Cypress, Disturbed (50-75% Exotics) (FLUCFCS Code 6219 E3)
This habitat type is similar to FLUCFCS Code 6219 E2, but with 50 to 75 percent Brazilian pepper and melaleuca in the canopy and sub-canopy and torpedograss and West Indian marsh grass in the ground cover.

Cypress, Disturbed (76-100% Exotics) (FLUCFCS Code 6219 E4)
This habitat type is similar to FLUCFCS Code 6219 E3, but with 76 to 100 percent melaleuca in the canopy and sub-canopy and torpedograss and West Indian marsh grass in the ground cover.

Pine, Hydric, Disturbed (0-24% Exotics) (FLUCFCS Code 6259 E1)
The canopy of this habitat type includes slash pine and widely scattered cabbage palm and melaleuca. The sub-canopy contains slash pine, wax myrtle, melaleuca, and scattered cabbage palm. The ground cover includes rush fuirena (*Fuirena scirpoidea*), little blue maidencane, gulfdune paspalum, Asiatic pennywort, sawgrass, Wright's nutrush, corkwood (*Stillingia aquatica*), jointed spikerush (*Eleocharis interstincta*), musky mint (*Hyptis alata*), yellow-eyed grass, Southern beaksedge, rayless goldenrod (*Bigelowia nudata*), and torpedograss.

Pine, Hydric, Disturbed (25-49% Exotics) (FLUCFCS Code 6259 E2)
This habitat type is similar to FLUCFCS Code 6259 E1, but with 25 to 49 percent melaleuca in the canopy and sub-canopy and Wright's nutrush and torpedograss in the ground cover.

Pine, Hydric, Disturbed (50-75% Exotics) (FLUCFCS Code 6259 E3)
This habitat type is similar to FLUCFCS Code 6259 E2, but with 50 to 75 percent melaleuca in the canopy and sub-canopy and Wright's nutrush in the ground cover.

Pine, Hydric, Disturbed (76-100% Exotics) (FLUCFCS Code 6259 E4)
This vegetation community is similar to FLUCFCS Code 6259 E3, but with 76 to 100 percent melaleuca and Brazilian pepper in the canopy and sub-canopy.

Wetland Shrub, Disturbed (25-49% Exotics) (FLUCFCS Code 6319 E2)
The canopy of this habitat type includes scattered melaleuca. The sub-canopy contains wax myrtle, saltbush, and scattered bald cypress and melaleuca. The ground cover includes little blue

maidencane, spreading beaksedge (*Rhynchospora divergens*), slender spikerush (*Eleocharis baldwinii*), Tracy's beaksedge (*Rhynchospora tracyi*), and a rush species (*Juncus* sp.).

Freshwater Marsh, Disturbed (0-24% Exotics) (FLUCFCS Code 6419 E1)
The canopy of this habitat type is primarily open with scattered bald cypress and scattered melaleuca on the edges. The sub-canopy contains scattered wax myrtle, corkwood, bald cypress, melaleuca, and widely scattered Carolina willow (*Salix caroliniana*). The ground cover includes dotted smartweed, shortleaf spike sedge (C*yperus brevifolius*), witchgrass, spikerush, sawgrass, maidencane, fireflag (*Thalia geniculata*), sand cordgrass (*Spartina bakeri*), torpedograss, pickerelweed (*Pontederia cordata*), soft rush (*Juncus effusus*), Wright's nutrush, and West Indian marsh grass.

Freshwater Marsh, Disturbed (25-49% Exotics) (FLUCFCS Code 6419 E2)
This habitat type is similar to FLUCFCS Code 6419 E1, but with 25 to 49 percent torpedograss, Wright's Nutrush, and West Indian marsh grass in the ground cover.

Freshwater Marsh, Disturbed (50-75% Exotics) (FLUCFCS Code 6419 E3)
This habitat type is similar to FLUCFCS Code 6419 E2, but with 50 to 75 percent torpedograss, Wright's nutrush, and West Indian marsh grass in the ground cover.

Freshwater Marsh, Disturbed (76-100% Exotics) (FLUCFCS Code 6419 E4)
This habitat type is similar to FLUCFCS Code 6419 E3, but with 76 to 100 percent torpedograss, Wright's Nutrush, and West Indian marsh grass in the ground cover.

Wet Prairie, Disturbed (50-75% Exotics) (FLUCFCS Code 6439 E3)
The canopy and sub-canopy of this habitat type include scattered melaleuca. The ground cover contains torpedograss, Wright's nutrush, broomsedge, and Southern beaksedge.

Wet Prairie, Disturbed (75-100% Exotics) (FLUCFCS Code 6439 E4)
This habitat type is similar to FLUCFCS Code 6439 E3, but with 76 to 100 percent torpedograss and Wright's nutrush in the ground cover.

Disturbed Land (FLUCFCS Code 740)
The canopy of this land use type is primarily open with scattered slash pine and cabbage palm. The sub-canopy contains scattered wax myrtle, slash pine, saw palmetto, and Brazilian pepper. The ground cover includes bahiagrass, chocolateweed, lovegrass (*Eragrostis* sp.), broomsedge, and dog fennel.

Disturbed Land, Hydric (FLUCFCS Code 7401)
The canopy of this land use type includes scattered melaleuca, slash pine, and laurel oak. The sub-canopy contains scattered melaleuca and wax myrtle. The ground cover includes torpedograss, yellow-eyed grass, and acute spikerush (*Eleocharis acutangula*).

Spoil (FLUCFCS Code 743)
The canopy of this land use type is open. The sub-canopy contains Brazilian pepper. The ground cover includes bahiagrass, dog fennel, and spermacoce.

Berm (FLUCFCS Code 747)

The canopy of this land use type includes live oak, cabbage palm, slash pine, melaleuca, and Brazilian pepper. The sub-canopy includes live oak, slash pine, Brazilian pepper, and saw palmetto. The ground cover contains caesarweed, muscadine grapevine, dog fennel, cabbage palm, and broomsedge.

APPENDIX E

SOILS MAP



Soil Unit	Description
6	Hallandale fine sand, wet, 0 to 2 percent slopes
10	Pompano fine sand, 0 to 2 percent slopes
11	Myakka fine sand, 0 to 2 percent slopes
14	Valkaria fine sand, 0 to 2 percent slopes
26	Pineda-Pineda, wet, fine sand, 0 to 2 percent slopes
27	Pompano fine sand, frequently ponded, 0 to 1 percent slopes
28	Immokalee sand, 0 to 2 percent slopes
33	Oldsmar sand, 0 to 2 percent slopes
34	Malabar fine sand, 0 to 2 percent slopes
41	Valkaria fine sand, frequently ponded, 0 to 1 percent slopes
44	Malabar fine sand, frequently ponded, 0 to 1 percent slopes
51	Floridana sand, frequently ponded, 0 to 2 percent slopes
63	Malabar fine sand, high, 0 to 2 percent slopes
73	Pineda fine sand, frequently ponded, 0 to 1 percent slopes

NOTES:

AERIAL PHOTOGRAPHS WERE ACQUIRED THROUGH THE LEE COUNTY PROPERTY APPRAISER'S OFFICE WITH A FLIGHT DATE OF JANUARY MAY 2020.

PROPERTY BOUNDARY PER MORRIS-DEPEW DRAWING No. 21008 - WETLAND FLAG LOCATION-CLIENT.DWG DATED JUNE 16, 2021.

ROADWAY NETWORKS WERE ACQUIRED FROM THE FLORIDA GEOGRAPHIC DATA LIBRARY WEBSITE.

SOILS MAPPING WAS ACQUIRED FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE WEBSITE APRIL 2021.

DRAWN BY	DATE
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REVIEWED BY	DATE
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Consulting Ecologists

DANIELS PARKWAY SOUTH
SOILS MAP

DRAWING No. 19LLL3192

SHEET No. APPENDIX E

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APPENDIX F

SOILS SUMMARY TABLE AND DESCRIPTIONS

DANIELS PARKWAY SOUTH
SOILS SUMMARY AND DESCRIPTIONS

September 2021

Table 1. Soils Listed by the Natural Resource Conservation Service on the Project

Mapping Unit	Description
6	Hallandale Fine Sand, Wet, 0 to 2 percent slopes
10	Pompano Fine Sand, 0 to 2 percent slopes
11	Myakka Fine Sand, 0 to 2 percent slopes
14	Valkaria Fine Sand, 0 to 2 percent slopes
26	Pineda-Pineda, Wet, Fine Sand, 0 to 2 percent slopes
27	Pompano Fine Sand, frequently ponded, 0 to 1 percent slopes
28	Immokalee Sand, 0 to 2 percent slopes
33	Oldsmar Sand, 0 to 2 percent slopes
34	Malabar Fine Sand, frequently ponded, 0 to 2 percent slopes
41	Valkaria Fine Sand, frequently ponded, 0 to 1 percent slopes
44	Malabar Fine Sand, frequently ponded, 0 to 1 percent slopes
51	Floridana Sand, frequently ponded, 0 to 2 percent slopes
63	Malabar Fine Sand, High, 0 to 2 percent slopes
73	Pineda Fine Sand, frequently ponded, 0 to 1 percent slopes

6 - Hallandale Fine Sand, Wet, 0 to 2 percent slopes

This is a nearly level, poorly drained soil on low, broad flatwood areas. Slopes are smoother and range from 0 to 2 percent. Typically, the surface layer is gray fine sand and about 2 inches thick. The subsurface layer is about 5 inches thick. The substratum is very pale brown fine sand about 5 inches thick. Fractured limestone bedrock is found at a depth of 12 inches which has solution holes extending to a depth of 20 to 25 inches. These solution holes contain mildly alkaline, loamy material. In most years, under natural conditions, the water table is at a depth of less than 10 inches for 1 to 3 months. The water level recedes below the limestone for about 7 months.

10 - Pompano Fine Sand, 0 to 2 percent slopes

This is a nearly level, poorly drained soil on sloughs. Slopes are smooth to concave and range from 0 to 2 percent. Typically, the surface layer is about 4 inches thick and composed of dark gray fine sand. The underlying layers are light gray, very pale brown, or white fine sand and extend to a depth of 80 inches or more. In most years, under natural conditions, the water table is at a depth of less than 10 inches for 2 to 4 months and at a depth of 10 to 40 inches for about 6 months. The water table recedes to a depth of more than 40 inches for about 3 months. During periods of high rainfall, the soil is covered by slowly moving water for periods of about 7 to 30 days or more.

11 - Myakka Fine Sand, 0 to 2 percent slopes

This is a nearly level, poorly drained soil on broad flatwood areas. Slopes are smoother and range from 0 to 2 percent. Typically, the subsurface layer is very dark gray fine sand extending about 3 inches. The subsurface layer is fine sand about 23 inches thick. The upper 3 inches of the subsurface later is gray while the remaining 20 inches is light gray. The subsoil is a fine sand that

reaches depths of 80 inches or greater. The upper 4 inches of the subsoil is black and firm. The following 5 inches is a dark reddish-brown color and is friable. The next 17 inches of the subsoil is black and firm with the following 11 inches being dark reddish-brown. The lower 17 inches of the subsoil is a mixture of black and dark reddish-brown and is friable.

14 - Valkaria Fine Sand, 0 to 2 percent slopes

This is a nearly level, poorly drained soil on sloughs. Slopes are smooth to concave and range from 0 to 2 percent. Typically, the surface layer is about 2 inches of dark grayish brown fine sand. The subsurface layer is 5 inches of very pale brown fine sand. The subsoil is a loose fine sand extending to a depth of 80 inches or more. The upper 9 inches of the subsoil is yellow. The next 4 inches is brownish yellow. The following 6 inches is yellowish brown. The lowermost 54 inches is pale yellow, yellow, brown, and very pale brown. In most years, under natural conditions, the water table is at a depth of less than 10 inches for 1 to 3 months. It is at a depth of 10 to 40 inches for about 6 months and recedes to a depth of more than 40 inches for about 3 months. During periods of high rainfall, the soil is covered by slowly moving water for periods of about 7 to 30 days or more.

26 - Pineda-Pineda, Wet, Fine Sand, 0 to 2 percent slopes

This is a nearly level, poorly drained soil on sloughs. Slopes are smooth to slightly concave and range from 0 to 2 percent. Typically, the surface layer is about 1 inch thick and composed of black fine sand. The subsurface layer is very pale brown fine sand and about 4 inches thick. The upper portion of the subsoil is brownish yellow fine sand and about 8 inches thick. The next 10 inches is strong brown fine sand. The following 6 inches is a yellowish-brown fine sand. The next 7 inches is light gray fine sand with brownish yellow mottles. The lower portion of the subsoil is approximately 18 inches thick and light brownish gray fine sandy loam with light gray sandy intrusions. The substratum is light gray fine sand reaching a depth of 80 inches or more. In most years, under natural conditions, the water table is within 10 inches of the surface for 2 to 4 months. It is 10 to 40 inches below the surface for more than 6 months and it recedes to more than 40 inches below the surface during extended dry periods. During periods of high rainfall, the soil is covered by slowly moving water for periods of about 7 to 30 days or more.

27 - Pompano Fine Sand, frequently ponded, 0 to 1 percent slopes

This is a nearly level, poorly drained soil in depressions. Slopes are concave and less than 1 percent. Typically, the surface layer is gray fine sand about 3 inches thick. The substratum is fine sand to a depth of 80 inches or more. The upper 32 inches is light brownish gray with few, fine, faint yellowish-brown mottles. The lower 45 inches is light gray. In most years, under natural conditions, the water table is within 10 inches of the surface for 2 to 4 months and stands above the surface for about 3 months. It is 10 to 40 inches below the surface for more than 5 months.

28 - Immokalee Sand, 0 to 2 percent slopes

This is a nearly level, poorly drained soil in flatwoods areas. Slopes are smooth to convex and range from 0 to 2 percent. Typically, the surface layer is black sand about 4 inches thick. The subsurface layer is dark gray sand in the upper 5 inches and light gray sand in the lower 27 inches. The subsoil is sand to a depth of 69 inches. The upper 14 inches of the subsoil is black and firm, the next 5 inches is dark reddish brown, and the lower 14 inches is dark yellowish brown. The substratum is very pale brown sand to a depth of 80 inches or more. In most years, under natural

conditions, the water table is within 10 inches of the surface for 1 to 3 months and 10 to 40 inches below the surface for 2 to 6 months. It recedes to a depth of more than 40 inches during extended dry periods.

33 – Oldsmar Sand, 0 to 2 percent slopes

This is a nearly level, poorly drained soil on low, broad flatwoods areas. Slopes are smooth to slightly convex and range from 0 to 2 percent. Typically, the surface layer is approximately 3 inches thick and is composed of black sand. The subsurface layer is gray and light gray sand about 39 inches thick. The upper portion of the subsoil is very dark gray sand about 5 inches thick. The lower portion of the subsoil is yellowish brown, mixed light brownish gray, and brown fine sandy loam about 11 inches thick. Pale brown sand extends to a depth of 80 inches or more. In most years, under natural conditions, the water table is at a depth of less than 10 inches for 1 to 3 months. It is at a depth of 10 to 40 inches for more than 6 months, and it recedes to a depth of more than 40 inches during extended dry periods.

34 – Malabar Fine Sand, frequently ponded, 0 to 2 percent slopes

This is a nearly level, poorly drained soil on sloughs. Slopes are smooth to concave and range from 0 to 2 percent. Typically, the surface layer is a dark gray fine sand about 5 inches thick. The next 12 inches is light gray and very pale brown fine sand. Below this is a 16-inch layer of light yellowish brown fine sand with yellow mottles and a 9-inch layer of brownish yellow fine sand. The subsoil layer is gray loamy fine sand about 9 inches thick with large yellowish-brown mottles. The next 8 inches is gray fine sandy loam with large brownish yellow mottles. Below is light gray loamy fine sand with yellowish brown mottles to a depth of 80 inches or more. In most years, under natural conditions, the water table is at a depth of less than 10 inches for 2 to 4 months. The water table is at a depth of 10 to 40 inches for more than 6 months, and it recedes to a depth of more than 40 inches during extended dry periods. During periods of high rainfall, the soil is covered by a shallow layer of slowly moving water for periods of about 7 to 30 days or more.

41 - Valkaria Fine Sand, frequently ponded, 0 to 1 percent slopes

This is a nearly level, poorly drained soil in depressions. Slopes are concave and less than 1 percent. Typically, the surface layer is a dark gray fine sand about 1 inch thick. The subsurface layer is about 4 inches of light gray fine sand. The subsoil is approximately 33 inches thick and is composed of fine sand. The upper 4 inches of this layer is brownish yellow with the middle 16 inches being yellow and the remaining 13 inches being a light yellowish brown. The substratum is pale brown fine sand with few fine faint brown mottles reaching a depth of 80 inches or more. In most years, under natural conditions, the water table is within 10 inches of the surface for about 6 months. The soil is ponded for approximately 3 months. The water table is 10 to 40 inches below the surface during the remainder of the year except in extended dry periods.

44 - Malabar Fine Sand, frequently ponded, 0 to 1 percent slopes

This is a nearly level, poorly drained soil in depressions. Slopes are concave and are less than 1 percent. Typically, the surface layer is 4 inches thick. The upper 1 inch is black fine sand that is high in organic matter. The lower portion of this layer is dark gray fine sand. The subsurface layer is sand to a depth of 44 inches. The upper 3 inches of the subsurface is very pale brown. The following 11 inches are yellow iron-coated sand grains. The next 10 inches is very pale brown with common coatings of iron on the sand grains. The lower 16 inches of the subsurface is light

gray. The subsoil is 23 inches thick and contains olive gray sandy loam with dark bluish gray mottles. Underneath the subsoil lies a layer of sandy loam with marl and shell fragments. In most years, under natural conditions, the soil is ponded for approximately 4 to 6 months or more. The water table is 10 to 40 inches below the surface for 4 to 6 months.

51 - Floridana Sand, frequently ponded, 0 to 2 percent slopes

This is a nearly level, very poorly drained soil in depressions. Slopes are concave and range from 0 to 2 percent. Typically, the surface layer is black sand extending 22 inches thick. The subsurface layer is approximately 17 inches thick and made of light brownish gray sand. The subsoil is olive gray fine sandy loam reaching a depth of 54 inches. Below the subsoil is a light brownish gray sand with pockets of olive gray loamy sand. In most years, under natural conditions, the water table is above the surface for 3 to 6 months. It is 10 to 40 inches below the surface during extended dry periods.

63 - Malabar Fine Sand, High, 0 to 2 percent slopes

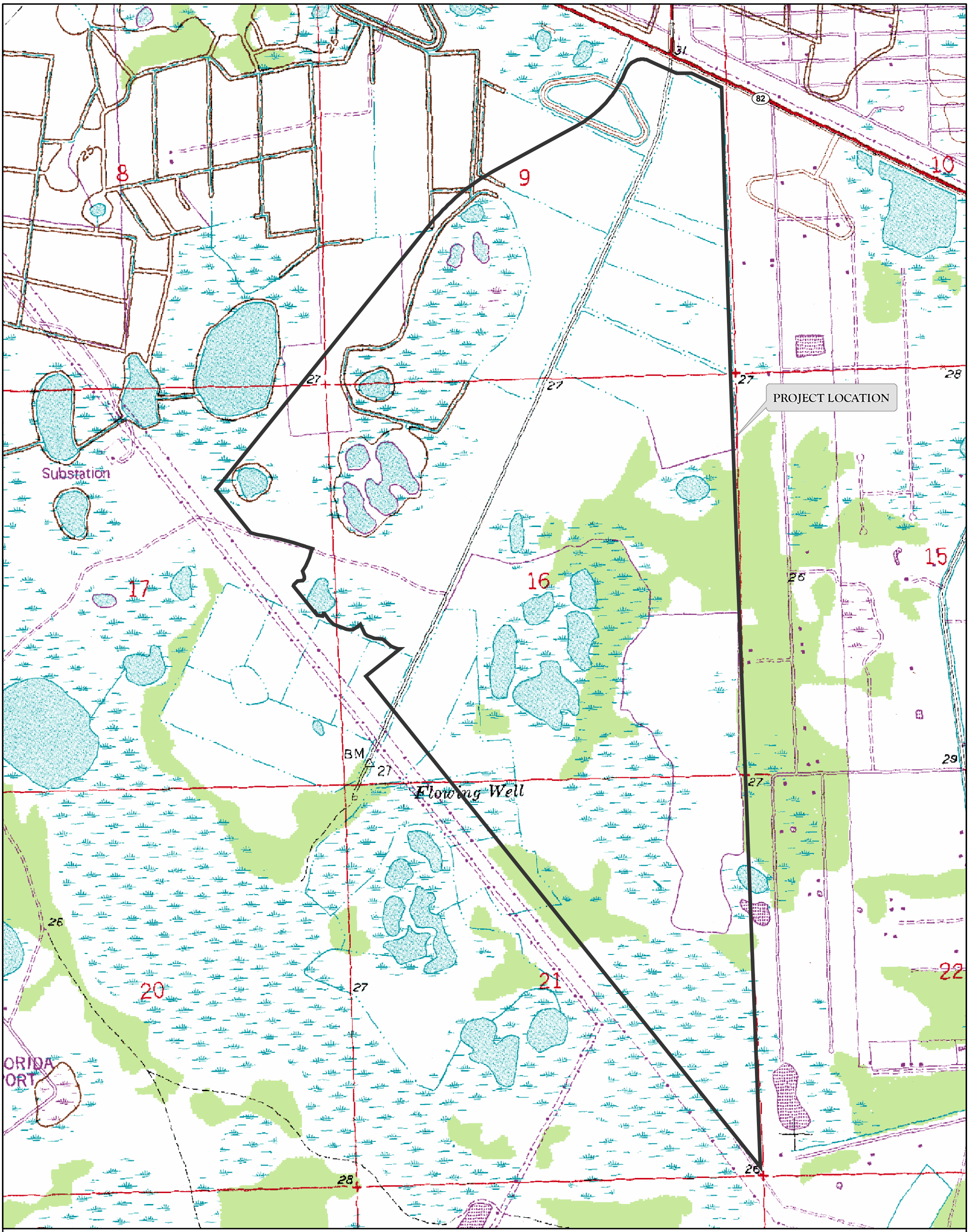
This is a nearly level, poorly drained soil in the flatwoods. Slopes are smooth to slightly convex and range from 0 to 2 percent. Typically, the surface layer is a very dark gray fine sand that extends 4 inches. The subsurface layer is about 13 inches thick and is a light gray fine sand. The subsoil is fine sand and sandy clay loam extending approximately 51 inches. The upper 7 inches of the subsoil is very pale brown fine sand with brownish yellow mottles. The next 6 inches is brownish yellow fine sand with yellowish brown mottles. Next is yellow fine sand with yellowish brown mottles, then light gray fine sand with yellowish brown mottles followed by gray sandy clay loam with yellowish brown stains along root channels. The lower 8 inches of the subsoil is greenish gray sandy clay loam. Below the subsoil region is a gray fine sand with about 60 percent shell fragments. This layer extends to a depth of 80 inches or more. In most years, under natural conditions, the water table is 10 to 40 inches below the surface for 4 to 6 months. It recedes to more than 40 inches below the surface during extended dry periods.

73 - Pineda Fine Sand, frequently ponded, 0 to 1 percent slopes

This is a nearly level, very poorly drained soil in depressions. Slopes are concave and are less than 1 percent. Typically, the surface layer is a dark gray fine sand extending 3 inches in thickness. The subsurface layer is approximately 31 inches thick and is made of fine sand. The upper 9 inches of the subsurface is light gray. The next 7 inches is very pale brown with yellowish brown mottles. The lower 12 inches of the subsurface is brownish yellow with many iron-coated sand grains. The subsoil is fine sandy loam reaching a depth of 55 inches. The upper 8 inches is gray with very pale brown sandy intrusions and yellowish-brown mottles. The lower 16 inches is gray. Below the subsoil is a light gray loamy sand that extends a depth of up to 80 inches. In most years, under natural conditions, the soil is ponded for about 3 to 6 months or more. The water table is within a depth of 10 to 40 inches for 4 to 6 months.

APPENDIX G

QUAD SHEET



LEGEND

DANIELS PARKWAY SOUTH

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NOTES:

COUNTY INFORMATION AND ROADWAY NETWORKS WERE ACQUIRED FROM THE FLORIDA GEOGRAPHIC DATA LIBRARY WEBSITE.

DIGITAL RASTER GRAPHIC USGS TOPOGRAPHIC QUADRANGLES WERE ACQUIRED FROM THE LAND BOUNDARY INFORMATION SYSTEM (LABINS) WEBSITE JULY 2007.

DRAWN BY	P.F.
DATE	6/28/21
REVIEWED BY	C.R.
DATE	6/28/21
REVISED	
DATE	

13620 Metropolis Avenue
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PASSARELLA & ASSOCIATES INC
Consulting Ecologists

DANIELS PARKWAY SOUTH
QUAD SHEET

DRAWING No. 19LLL3192

SHEET No. APPENDIX G

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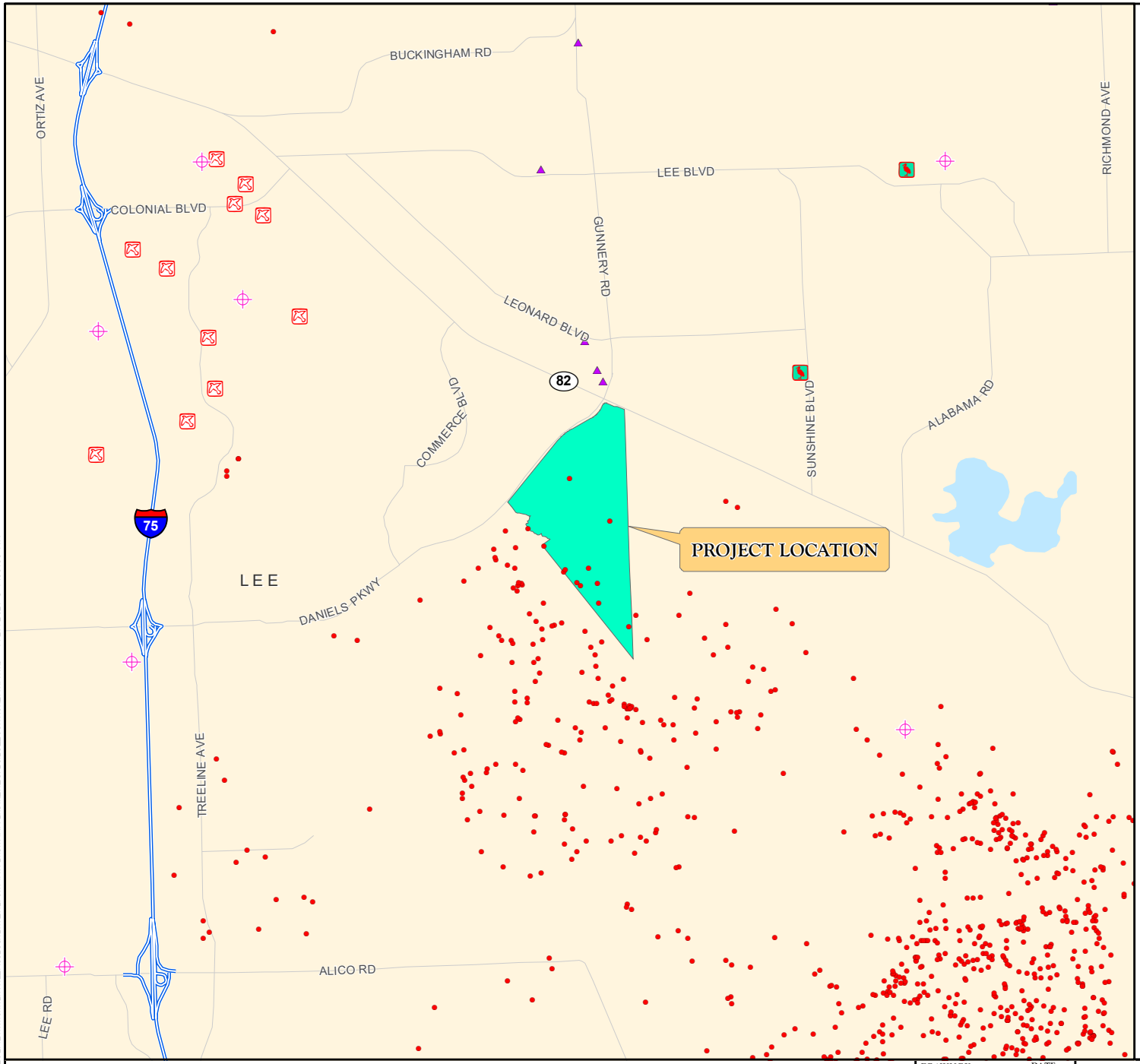
APPENDIX H

DOCUMENTED OCCURRENCES OF LISTED SPECIES



LEGEND

- Daniels Parkway South
- Bald Eagle Nest Location
- Florida Panther Telemetry
- Black Bear Location
- Red Cockaded Woodpecker Location
- Wading Bird Location
- Scrub Jay Location

N
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0 1 2
Miles

NOTES:

EAGLE NEST LOCATIONS WERE ACQUIRED FROM THE FWCC AND AUDUBON EAGLEWATCH ON NOVEMBER 2020 AND ARE CURRENT TO 2020.

BLACK BEAR LOCATIONS WERE ACQUIRED FROM THE FWCC ON DECEMBER 2020 AND ARE CURRENT TO 2007.

PANTHER TELEMETRY WAS ACQUIRED FROM THE FWCC ON DECEMBER 2020 AND IS CURRENT TO JUNE 2020.

RED COCKADED WOODPECKER LOCATIONS WERE ACQUIRED FROM THE FWCC ON DECEMBER 2020.

SCRUB JAY LOCATIONS WERE ACQUIRED FROM THE USFWS FTP SITE ON OCTOBER 2019.

WADING BIRD ROOKERIES WERE ACQUIRED FROM THE FWCC DECEMBER 2020 AND ARE CURRENT TO 1999.

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APPENDIX H. DOCUMENTED OCCURRENCES OF LISTED SPECIES
DANIELS PARKWAY SOUTH

DRAWN BY	DATE
P.F.	6/28/21
REVIEWED BY	DATE
C.R.	6/28/21
REVISED	DATE

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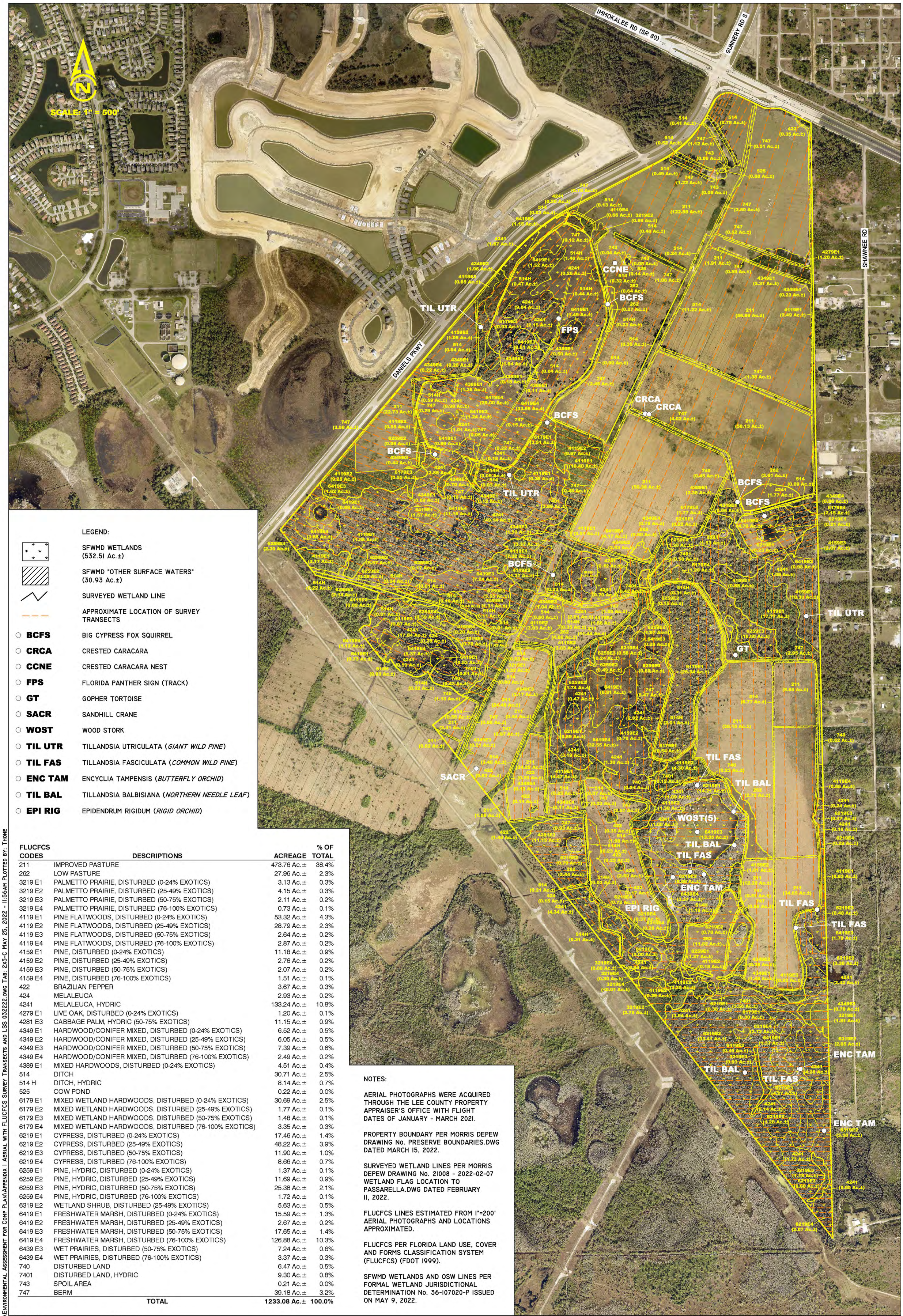
APPENDIX I

AERIAL WITH FLUCFCS, SURVEY TRANSECTS, AND LISTED SPECIES LOCATIONS



LEGEND:

- SFWMD WETLANDS (532.51 Ac.±)
- SFWMD "OTHER SURFACE WATERS" (30.93 Ac.±)
- SURVEYED WETLAND LINE
- APPROXIMATE LOCATION OF SURVEY TRANSECTS
- **BCFS** BIG CYPRESS FOX SQUIRREL
- **CRCA** CRESTED CARACARA
- **CCNE** CRESTED CARACARA NEST
- **FPS** FLORIDA PANTHER SIGN (TRACK)
- **GT** GOPHER TORTOISE
- **SACR** SANDHILL CRANE
- **WOST** WOOD STORK
- **TIL UTR** TILLANDSIA UTRICULATA (*GIANT WILD PINE*)
- **TIL FAS** TILLANDSIA FASCICULATA (*COMMON WILD PINE*)
- **ENC TAM** ENCYCLIA TAMPENSIS (*BUTTERFLY ORCHID*)
- **TIL BAL** TILLANDSIA BALBISIANA (*NORTHERN NEEDLE LEAF*)
- **EPI RIG** EPIDENDRUM RIGIDUM (*RIGID ORCHID*)

FLUCFCS CODES	DESCRIPTIONS	ACREAGE	% OF TOTAL
211	IMPROVED PASTURE	473.76 Ac.±	38.4%
262	LOW PASTURE	27.96 Ac.±	2.3%
3219 E1	PALMETTO PRAIRIE, DISTURBED (0-24% EXOTICS)	3.13 Ac.±	0.3%
3219 E2	PALMETTO PRAIRIE, DISTURBED (25-49% EXOTICS)	4.15 Ac.±	0.3%
3219 E3	PALMETTO PRAIRIE, DISTURBED (50-75% EXOTICS)	2.11 Ac.±	0.2%
3219 E4	PALMETTO PRAIRIE, DISTURBED (76-100% EXOTICS)	0.73 Ac.±	0.1%
4119 E1	PINE FLATWOODS, DISTURBED (0-24% EXOTICS)	53.32 Ac.±	4.3%
4119 E2	PINE FLATWOODS, DISTURBED (25-49% EXOTICS)	28.79 Ac.±	2.3%
4119 E3	PINE FLATWOODS, DISTURBED (50-75% EXOTICS)	2.64 Ac.±	0.2%
4119 E4	PINE FLATWOODS, DISTURBED (76-100% EXOTICS)	2.87 Ac.±	0.2%
4159 E1	PINE, DISTURBED (0-24% EXOTICS)	11.18 Ac.±	0.9%
4159 E2	PINE, DISTURBED (25-49% EXOTICS)	2.76 Ac.±	0.2%
4159 E3	PINE, DISTURBED (50-75% EXOTICS)	2.07 Ac.±	0.2%
4159 E4	PINE, DISTURBED (76-100% EXOTICS)	1.51 Ac.±	0.1%
422	BRAZILIAN PEPPER	3.67 Ac.±	0.3%
424	MELALEUCA	2.93 Ac.±	0.2%
4241	MELALEUCA, HYDRIC	133.24 Ac.±	10.8%
4279 E1	LIVE OAK, DISTURBED (0-24% EXOTICS)	1.20 Ac.±	0.1%
4281 E3	CABBAGE PALM, HYDRIC (50-75% EXOTICS)	11.15 Ac.±	0.9%
4349 E1	HARDWOOD/CONIFER MIXED, DISTURBED (0-24% EXOTICS)	6.52 Ac.±	0.5%
4349 E2	HARDWOOD/CONIFER MIXED, DISTURBED (25-49% EXOTICS)	6.05 Ac.±	0.5%
4349 E3	HARDWOOD/CONIFER MIXED, DISTURBED (50-75% EXOTICS)	7.39 Ac.±	0.6%
4349 E4	HARDWOOD/CONIFER MIXED, DISTURBED (76-100% EXOTICS)	2.49 Ac.±	0.2%
4389 E1	MIXED HARDWOODS, DISTURBED (0-24% EXOTICS)	4.51 Ac.±	0.4%
514	DITCH	30.71 Ac.±	2.5%
514 H	DITCH, HYDRIC	8.14 Ac.±	0.7%
525	COW POND	0.22 Ac.±	0.0%
6179 E1	MIXED WETLAND HARDWOODS, DISTURBED (0-24% EXOTICS)	30.69 Ac.±	2.5%
6179 E2	MIXED WETLAND HARDWOODS, DISTURBED (25-49% EXOTICS)	1.77 Ac.±	0.1%
6179 E3	MIXED WETLAND HARDWOODS, DISTURBED (50-75% EXOTICS)	1.48 Ac.±	0.1%
6179 E4	MIXED WETLAND HARDWOODS, DISTURBED (76-100% EXOTICS)	3.35 Ac.±	0.3%
6219 E1	CYPRESS, DISTURBED (0-24% EXOTICS)	17.46 Ac.±	1.4%
6219 E2	CYPRESS, DISTURBED (25-49% EXOTICS)	48.22 Ac.±	3.9%
6219 E3	CYPRESS, DISTURBED (50-75% EXOTICS)	11.90 Ac.±	1.0%
6219 E4	CYPRESS, DISTURBED (76-100% EXOTICS)	8.66 Ac.±	0.7%
6259 E1	PINE, HYDRIC, DISTURBED (0-24% EXOTICS)	1.37 Ac.±	0.1%
6259 E2	PINE, HYDRIC, DISTURBED (25-49% EXOTICS)	11.69 Ac.±	0.9%
6259 E3	PINE, HYDRIC, DISTURBED (50-75% EXOTICS)	25.38 Ac.±	2.1%
6259 E4	PINE, HYDRIC, DISTURBED (76-100% EXOTICS)	1.72 Ac.±	0.1%
6319 E2	WETLAND SHRUB, DISTURBED (25-49% EXOTICS)	5.63 Ac.±	0.5%
6419 E1	FRESHWATER MARSH, DISTURBED (0-24% EXOTICS)	15.59 Ac.±	1.3%
6419 E2	FRESHWATER MARSH, DISTURBED (25-49% EXOTICS)	2.67 Ac.±	0.2%
6419 E3	FRESHWATER MARSH, DISTURBED (50-75% EXOTICS)	17.65 Ac.±	1.4%
6419 E4	FRESHWATER MARSH, DISTURBED (76-100% EXOTICS)	126.88 Ac.±	10.3%
6439 E3	WET PRAIRIES, DISTURBED (50-75% EXOTICS)	7.24 Ac.±	0.6%
6439 E4	WET PRAIRIES, DISTURBED (76-100% EXOTICS)	3.37 Ac.±	0.3%
740	DISTURBED LAND	6.47 Ac.±	0.5%
7401	DISTURBED LAND, HYDRIC	9.30 Ac.±	0.8%
743	SPOIL AREA	0.21 Ac.±	0.0%
747	BERM	39.18 Ac.±	3.2%
	TOTAL	**1233.08 Ac.±**	**100.0%**

NOTES:

AERIAL PHOTOGRAPHS WERE ACQUIRED THROUGH THE LEE COUNTY PROPERTY APPRAISER'S OFFICE WITH FLIGHT DATES OF JANUARY - MARCH 2021.

PROPERTY BOUNDARY PER MORRIS DEPEW DRAWING No. PRESERVE BOUNDARIES.DWG DATED MARCH 15, 2022.

SURVEYED WETLAND LINES PER MORRIS DEPEW DRAWING No. 21008 - 2022-02-07 WETLAND FLAG LOCATION TO PASSARELLA.DWG DATED FEBRUARY 11, 2022.

FLUCFCS LINES ESTIMATED FROM 1"=200' AERIAL PHOTOGRAPHS AND LOCATIONS APPROXIMATED.

FLUCFCS PER FLORIDA LAND USE, COVER AND FORMS CLASSIFICATION SYSTEM (FLUCFCS) (FDOT 1999).

SFWMD WETLANDS AND OSW LINES PER FORMAL WETLAND JURISDICTIONAL DETERMINATION No. 36-107020-P ISSUED ON MAY 9, 2022.

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DRAWN BY	DATE
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DESIGNED BY	DATE
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REVISED	DATE
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DANIELS PARKWAY SOUTH

AERIAL WITH FLUCFCS, SURVEY TRANSECTS, AND LISTED SPECIES LOCATIONS

DRAWING No. 19lll3192

SHEET No. APPENDIX I

EXHIBIT C

OF ENVIRONMENTAL REPORTS
EXHIBITS – M12 & T7

INDIGENOUS PRESERVATION RESTORATION MANAGEMENT PLAN

DANIELS PARKWAY SOUTH
INDIGENOUS PRESERVATION, RESTORATION, AND MANAGEMENT PLAN

Revised September 2022

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Project No. 19LLL3192

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1.0 INTRODUCTION

The following outlines the Lee County Indigenous Preservation, Restoration, and Management Plan for Daniels Parkway South (Project). The Project site totals 1,233.08± acres and is located in Sections 8, 9, 16, 17, and 21; Township 45 South; Range 26 East; Lee County (Appendix A). The Project proposes to establish on-site conservation areas totaling approximately 679.10± acres. The proposed conservation areas will contain the following elements:

- Preservation and enhancement of 295.80± acres of indigenous wetlands and uplands (existing forested and herbaceous habitats with less than 75 percent exotics);
- Restoration of 359.60± acres of indigenous wetlands and uplands through the removal of exotic vegetation (existing forested and herbaceous habitats with greater than 75 percent exotics) and supplemental planting;
- Backfilling 6.90± acres of Other Surface Waters (OSW) and replanting with native wetland and upland vegetation; and
- Removal of 16.80± acres of berms and planting with native wetland and upland vegetation.

Thus, the Project proposes 679.10± acres of conservation area that will be placed under conservation easement with inspection, enforcement, and approval rights granted to Lee County and the South Florida Water Management District (SFWMD). The preserve areas utilized to meet the buffer requirements are depicted on Morris Depew's Master Concept Plan (MCP) which is provided under separate cover. A discussion of the buffer planting requirement is provided in Section 6.0 below. The preservation and enhancement areas include 58.1± acres of mature pine flatwoods (Florida Land Use, Cover and Forms Classification System (FLUCFCS) Codes 4119 E1 and E2) which is considered a rare and unique upland habitat type according to the Lee County Comprehensive Plan. A map showing the location of the 58.1± acres of rare and unique upland habitat is included as Appendix B.

A portion of the Project is located within the Southwest Florida International Airport (SWFIA) 10,000-Foot Hazardous Wildlife Buffer (Buffer) which includes 543.90± acres of preserve area. Table 1 below provides a summary of the preserve acreages that are within and outside of the Buffer.

Table 1. Preserve Acreage Summary

Activity Type	Acreage		
	Within Buffer	**Outside Buffer**	**Total**
Indigenous Wetland Preserve and Enhancement	181.05	24.65	**205.70**
Indigenous Wetland Restoration	229.79	71.71	**301.50**
Indigenous Upland Preserve and Enhancement	60.79	29.31	**90.10**
Indigenous Upland Restoration	53.88	4.22	**58.10**
OSW to be Restored to Indigenous Wetlands	1.77	0.73	**2.50**
OSW to be Restored to Indigenous Uplands	4.03	0.37	**4.40**
Berms to be Restored to Indigenous Wetlands	7.84	3.36	**11.20**

Table 1. (Continued)

Activity Type	Acreage		
	Within Buffer	Outside Buffer	Total
Berms to be Restored to Indigenous Uplands	4.75	0.85	**5.60**
Totals	**543.90**	**135.20**	**697.10**

Due to the Project's proximity to SWFIA, two specific management activities will be applied to preserve areas within the Buffer that are not required for preserve areas located outside the Buffer. This includes like-for-like habitat restoration and adhering to Lee County Port Authority's (LCPA) Compatible Native Landscape List. Details of these management activities are provided in Section 5.0.

2.0 EXISTING INDIGENOUS VEGETATION HABITATS

Pursuant to Land Development Code (LDC) Section 10-1, indigenous native vegetation means those plant species that are characteristic of the major plant communities of the County. Native habitats where invasive exotic vegetation has exceeded 75 percent coverage are not considered to be indigenous vegetation.

The proposed conservation areas include 295.80± acres (combined pre-development wetland and upland acres) of existing indigenous native vegetation. The indigenous areas to be preserved consist of wetland and upland forested and herbaceous habitats with less than 75 percent coverage by exotics. These indigenous areas are adjacent to improved pasture that has a perimeter berm and ditch system. An aerial with Florida Land Use, Cover, and Forms Classification System (FLUCFCS) is attached as Appendix C and depicts the existing indigenous wetland and upland vegetation communities.

The indigenous wetland habitats within the conservation areas total 205.70± acres and consist mostly of remnant cypress, hydric pine, mixed wetland hardwood habitats, and freshwater marsh. Hydric cabbage palm, wetland shrub, and wet prairies occur to a lesser extent. The indigenous uplands within the conservation areas total 90.1± acres and consist mostly of palmetto prairie, pine flatwoods, pine, cabbage palm, and hardwood/conifer, mixed habitats adjacent to the on-site wetland areas. Listed below are the FLUCFCS (Florida Department of Transportation 1999) descriptions of the indigenous wetland and upland habitats proposed for preservation and enhancement.

2.1 Indigenous Wetland Habitats

<u>Cabbage Palm, Hydric (50-75% Exotics) (FLUCFCS Code 4281 E3)</u>
The canopy of this habitat type includes cabbage palm (*Sabal palmetto*). The sub-canopy contains cabbage palm, wax myrtle (*Morella cerifera*), and scattered melaleuca (*Melaleuca quinquenervia).* The ground cover includes torpedograss (*Panicum repens*), Wright's nutrush (*Scleria lacustris*), little blue maidencane (*Amphicarpum muehlenbergianum),* saw palmetto (*Serenoa repens*), swamp flatsedge (*Cyperus ligularis*), Asiatic pennywort

(*Centella asiatica*), marsh pennywort (*Hydrocotyle umbellata*), broomsedge (*Andropogon virginicus*), and dog fennel (*Eupatorium capillifolium*).

Mixed Wetland Hardwoods, Disturbed (0-24% Exotics) (FLUCFCS Code 6179 E1)
The canopy of this habitat type includes laurel oak (*Quercus laurifolia*), cabbage palm, slash pine (*Pinus elliottii*), and scattered bald cypress (*Taxodium distichum*). The sub-canopy contains laurel oak, myrsine (*Myrsine cubana*), wax myrtle, Brazilian pepper (*Schinus terebinthifolia*), saltbush (*Baccharis halimifolia*), cabbage palm, and buckthorn (*Sideroxylon reclinatum*). The ground cover includes marsh pennywort, sawgrass (*Cladium jamaicense*), frog fruit (*Phyla nodiflora*), witchgrass (*Dichanthelium* sp.), false fennel (*Eupatorium leptophyllum*), broomsedge, little blue maidencane, climbing hempvine (*Mikania scandens*), earleaf greenbrier (*Smilax auriculata*), Asiatic pennywort, Wright's nutrush, and gulfdune paspalum (*Paspalum monostachyum*).

Mixed Wetland Hardwoods, Disturbed (25-49% Exotics) (FLUCFCS Code 6179 E2)
This habitat type is similar to FLUCFCS Code 6179 E1, but with 25 to 49 percent melaleuca in the canopy and Brazilian pepper in the sub-canopy.

Mixed Wetland Hardwoods, Disturbed (50-75% Exotics) (FLUCFCS Code 6179 E3)
This habitat type is similar to FLUCFCS Code 6179 E2, but with 50 to 75 percent melaleuca in the canopy and Brazilian pepper in the sub-canopy.

Cypress, Disturbed (0-24% Exotics) (FLUCFCS Code 6219 E1)
The canopy of this habitat type includes bald cypress. The sub-canopy contains bald cypress, wax myrtle, and scattered Brazilian pepper and melaleuca. The ground cover includes sawgrass, marsh pennywort, little blue maidencane, and scattered West Indian marsh grass (*Hymenachne amplexicaulis*), and torpedograss.

Cypress, Disturbed (25-49% Exotics) (FLUCFCS Code 6219 E2)
This habitat type is similar to FLUCFCS Code 6219 E1 but contains 25 to 49 percent Brazilian pepper in the sub-canopy and torpedograss and West Indian marsh grass in the ground cover.

Cypress, Disturbed (50-75% Exotics) (FLUCFCS Code 6219 E3)
This habitat type is similar to FLUCFCS Code 6219 E2 but contains 50 to 75 percent Brazilian pepper and melaleuca in the canopy and sub-canopy and torpedograss and West Indian marsh grass in the ground cover.

Pine, Hydric, Disturbed (0-24% Exotics) (FLUCFCS Code 6259 E1)
The canopy of this habitat type includes slash pine and widely scattered cabbage palm and melaleuca. The sub-canopy contains slash pine, wax myrtle, melaleuca, and scattered cabbage palm. The ground cover includes rush fuirena (*Fuirena scirpoidea*), little blue maidencane, gulfdune paspalum, Asiatic pennywort, sawgrass, Wright's nutrush, corkwood (*Stillingia aquatica*), jointed spikerush (*Eleocharis interstincta*), musky mint (*Hyptis alata*), yellow-eyed grass (*Xyris* sp.), Southern beaksedge (*Rhynchospora microcarpa*), rayless goldenrod (*Bigelowia nudata*), and torpedograss.

Pine, Hydric, Disturbed (25-49% Exotics) (FLUCFCS Code 6259 E2)
This habitat type is similar to FLUCFCS Code 6259 E1, but with 25 to 49 percent melaleuca in the canopy and sub-canopy and Wright's nutrush and torpedograss in the ground cover.

Pine, Hydric, Disturbed (50-75% Exotics) (FLUCFCS Code 6259 E3)
This habitat type is similar to FLUCFCS Code 6259 E2, but with 50 to 75 percent melaleuca in the canopy and sub-canopy and Wright's nutrush in the ground cover.

Wetland Shrub, Disturbed (25-49% Exotics) (FLUCFCS Code 6319 E2)
The canopy of this habitat type includes scattered melaleuca. The sub-canopy contains wax myrtle, saltbush, and scattered bald cypress and melaleuca. The ground cover includes little blue maidencane, spreading beaksedge (*Rhynchospora divergens*), slender spikerush (*Eleocharis baldwinii*), Tracy's beaksedge (*Rhynchospora tracyi*), and rush (*Juncus* sp.).

Freshwater Marsh, Disturbed (0-24% Exotics) (FLUCFCS Code 6419 E1)
The canopy of this habitat type is primarily open with scattered bald cypress and scattered melaleuca on the edges. The sub-canopy contains scattered wax myrtle, corkwood, bald cypress, melaleuca, and widely scattered Carolina willow (*Salix caroliniana*). The ground cover includes dotted smartweed (*Persicaria punctata*), shortleaf spike sedge (C*yperus brevifolius*), witchgrass, spikerush (*Eleocharis cellulosa*), sawgrass, maidencane (*Panicum hemitomon*), fireflag (*Thalia geniculata*), sand cordgrass (*Spartina bakeri*), torpedograss, pickerelweed (*Pontederia cordata*), soft rush (*Juncus effusus*), Wright's nutrush, and West Indian marsh grass.

Freshwater Marsh, Disturbed (25-49% Exotics) (FLUCFCS Code 6419 E2)
This habitat type is similar to FLUCFCS Code 6419 E1, but with 25 to 49 percent torpedograss, Wright's nutrush, and West Indian marsh grass in the ground cover.

Freshwater Marsh, Disturbed (50-75% Exotics) (FLUCFCS Code 6419 E3)
This habitat type is similar to FLUCFCS Code 6419 E2, but with 50 to 75 percent torpedograss, Wright's nutrush, and West Indian marsh grass in the ground cover.

Wet Prairies, Disturbed (50-75% Exotics) (FLUCFCS Code 6439 E3)
The canopy and sub-canopy of this habitat type include scattered melaleuca. The ground cover contains torpedograss, Wright's nutrush, broomsedge, and Southern beaksedge.

2.2 Indigenous Upland Habitats

Palmetto Prairie, Disturbed (0-24% Exotics) (FLUCFCS Code 3219 E1)
The canopy of this habitat type is primarily open with scattered melaleuca on the edges. The sub-canopy contains saw palmetto and scattered Brazilian pepper. The ground cover includes carpetgrass (*Axonopus* sp.), chocolateweed (*Melochia spicata*), saw palmetto, and grass-leaved goldenrod (*Euthamia graminifolia*).

Palmetto Prairie, Disturbed (25-49% Exotics) (FLUCFCS Code 3219 E2)
This habitat type is similar to FLUCFCS Code 3219 E1, but with 25 to 49 percent melaleuca in the sub-canopy.

Palmetto Prairie, Disturbed (50-75% Exotics) (FLUCFCS Code 3219 E3)
This habitat type is similar to FLUCFCS Code 3219 E2, but with 50 to 75 percent Brazilian pepper and melaleuca in the sub-canopy.

Pine Flatwoods, Disturbed (0-24% Exotics) (FLUCFCS Code 4119 E1)
The canopy of this habitat type includes slash pine and live oak (*Quercus virginiana*). The sub-canopy contains saw palmetto, muscadine grapevine (*Vitis rotundifolia*), slash pine, scattered laurel oak, and widely scattered wax myrtle and melaleuca. The ground cover includes bahiagrass (*Paspalum notatum*), false fennel, chocolateweed, live oak, little blue maidencane, muscadine grapevine, spermacoce (*Spermacoce verticillata*), broomsedge, and scattered saw palmetto.

Pine Flatwoods, Disturbed (25-49% Exotics) (FLUCFCS Code 4119 E2)
This habitat type is similar to FLUCFCS Code 4119 E1, but with 25 to 49 percent Brazilian pepper in the sub-canopy.

Pine Flatwoods, Disturbed (50-75% Exotics) (FLUCFCS Code 4119 E3)
This habitat type is similar to FLUCFCS Code 4119 E2, but with 50 to 75 percent melaleuca and Brazilian pepper in the canopy and sub-canopy.

Pine, Disturbed (0-24% Exotics) (FLUCFCS Code 4159 E1)
The canopy of this habitat type contains slash pine and scattered cabbage palm, live oak, and melaleuca. The sub-canopy consists of slash pine, cabbage palm, laurel oak, and widely scattered melaleuca and Brazilian pepper. The ground cover is primarily open with widely scattered spermacoce, muscadine grapevine, and carpetgrass.

Pine, Disturbed (25-49% Exotics) (FLUCFCS Code 4159 E2)
This habitat type is similar to FLUCFCS Code 4159 E1, but with 25 to 49 percent melaleuca and Brazilian pepper in the canopy and sub-canopy and spermacoce in the ground cover.

Pine, Disturbed (50-75% Exotics) (FLUCFCS Code 4159 E3)
This habitat type is similar to FLUCFCS Code 4159 E2, but with 50 to 75 percent earleaf acacia (*Acacia auriculiformis*), Java plum (*Syzgium cumini*), and Brazilian pepper in the sub-canopy and caesarweed (*Urena lobata*) in the ground cover.

Live Oak, Disturbed (0-24% Exotics) (FLUCFCS Code 4279 E1)
The canopy of this habitat type includes live oak and widely scattered slash pine. The sub-canopy contains scattered saw palmetto, live oak, and American beautyberry (*Callicarpa americana*). The ground cover is primarily open with scattered basketgrass (*Oplismenus* sp.) and caesarweed.

Hardwood/Conifer Mixed, Disturbed (0-24% Exotics) (FLUCFCS Code 4349 E1)
The canopy of this habitat type includes slash pine, live oak, laurel oak, cabbage palm, and widely scattered melaleuca. The sub-canopy contains laurel oak, wax myrtle, Java plum, cabbage palm, slash pine, saw palmetto, live oak, Brazilian pepper, rusty staggerbush (*Lyonia ferruginea*), and widely scattered melaleuca. The ground cover includes carpetgrass, cabbage palm, muscadine grapevine, Asiatic pennywort, caesarweed, earleaf greenbrier, saw palmetto, dog fennel, broomsedge, and spermacoce.

Hardwood/Conifer Mixed, Disturbed (25-49% Exotics) (FLUCFCS Code 4349 E2)
This habitat type is similar to FLUCFCS Code 4349 E1, but with 25 to 49 percent Brazilian pepper in the sub-canopy.

Hardwood/Conifer Mixed, Disturbed (50-75% Exotics) (FLUCFCS Code 4349 E3)
This habitat type is similar to FLUCFCS Code 4349 E2, but with 50 to 75 percent Brazilian pepper in the sub-canopy and caesarweed in the ground cover.

Mixed Hardwoods, Disturbed (0-24% Exotics) (FLUCFCS Code 4389 E1)
The canopy of this habitat type includes live oak, laurel oak, and scattered cabbage palm. The sub-canopy contains live oak, laurel oak, cabbage palm, and scattered myrsine (*Myrsine cubana*). The ground cover is primarily open with scattered live oak.

3.0 EXISTING NON-INDIGENOUS VEGETATION

Approximately 359.60± acres (53.2 percent) of the proposed conservation areas consist of vegetation communities that do not meet the LDC's definition of indigenous vegetation. Existing non-indigenous wetlands within the conservation areas total 301.50± acres and consist primarily of disturbed native wetland habitats with greater than 75 percent coverage by exotics, such as Brazilian pepper, melaleuca, torpedograss, and Wright's nutrush. Non-indigenous uplands within the conservation areas total 58.10± acres and consist primarily of improved pasture. Non-indigenous areas also include 6.90± acres of OSW and 16.80± acres of berms that will be removed and replanted with native wetland and upland plantings. The non-indigenous wetland and upland vegetation communities and surface waters are identified in Appendix C. Listed below are the FLUCFCS descriptions of the non-indigenous habitats on the Project site.

3.1 Non-Indigenous Wetland Habitats

Low Pasture (FLUCFCS Code 262)
The canopy and sub-canopy of this land use type are open. The ground cover includes torpedograss, witchgrass, dog fennel, marsh pennywort, Wright's nutrush, yellow-eyed grass, melaleuca, and Asiatic pennywort.

Melaleuca, Hydric (FLUCFCS Code 4241)
The canopy of this habitat type includes melaleuca. The sub-canopy contains melaleuca, Brazilian pepper, and cabbage palm. The ground cover includes little blue maidencane, broomsedge, torpedograss, sawgrass, swamp fern (*Telmatoblechnum serrulatum*), swamp

flatsedge, Southern beaksedge, Wright's nutrush, false hop sedge (*Carex lupuliformis*), and widely scattered maidencane.

Mixed Wetland Hardwoods, Disturbed (76-100% Exotics) (FLUCFCS Code 6179 E4)
This habitat type is similar to FLUCFCS Code 6179 E3, but with 76 to 100 percent Peruvian primrose willow (*Ludwigia peruviana*) in the sub-canopy.

Cypress, Disturbed (76-100% Exotics) (FLUCFCS Code 6219 E4)
This habitat type is similar to FLUCFCS Code 6219 E3, but with 76 to 100 percent melaleuca in the canopy and sub-canopy and torpedograss and West Indian marsh grass in the ground cover.

Pine, Hydric, Disturbed (76-100% Exotics) (FLUCFCS Code 6259 E4)
This habitat type is similar to FLUCFCS Code 6259 E3, but with 76 to 100 percent melaleuca and Brazilian pepper in the canopy and sub-canopy.

Freshwater Marsh, Disturbed (25-49% Exotics) (FLUCFCS Code 6419 E4)
This habitat type is similar to FLUCFCS Code 6419 E3, but with 76 to 100 percent torpedograss, Wright's nutrush, and West Indian marsh grass in the ground cover.

Wet Prairies, Disturbed (76-100% Exotics) (FLUCFCS Code 6439 E4)
This habitat type is similar to FLUCFCS Code 6439 E3, but with 76 to 100 percent torpedograss and Wright's nutrush in the ground cover.

Disturbed Land, Hydric (FLUCFCS Code 7401)
The canopy of this land use type includes scattered melaleuca, slash pine, and laurel oak. The sub-canopy contains scattered melaleuca and wax myrtle. The ground cover includes torpedograss, yellow-eyed grass, and acute spikerush (*Eleocharis acutangula*).

3.2 Non-Indigenous Upland Habitats

Improved Pasture (FLUCFCS Code 211)
The canopy of this land use type is primarily open with scattered cabbage palm and melaleuca. The sub-canopy contains scattered wax myrtle, live oak, cabbage palm, and Brazilian pepper. The ground cover consists of bahiagrass, carpetgrass, broomsedge, dog fennel, grass-leaved goldenrod, bermudagrass (*Cynodon dactylon*), and tropical soda apple (*Solanum viarum*).

Palmetto Prairie, Disturbed (76-100% Exotics) (FLUCFCS Code 3219 E4)
This habitat type is similar to FLUCFCS Code 3219 E3, but with 76 to 100 percent Brazilian pepper and melaleuca in the canopy and sub-canopy.

Pine Flatwoods, Disturbed (76-100% Exotics) (FLUCFCS Code 4119 E4)
This habitat type is similar to FLUCFCS Code 4119 E3, but contains 76 to 100 percent melaleuca and Brazilian pepper in the canopy and sub-canopy.

Pine, Disturbed (FLUCFCS Code 4159 E4)
This habitat type is similar to FLUCFCS Code 4159 E3 but with 76 to 100 percent melaleuca in the canopy and sub-canopy.

Brazilian Pepper (FLUCFCS Code 422)
The canopy and sub-canopy of this habitat type contain Brazilian pepper and scattered melaleuca. The ground cover is primarily open and includes earleaf greenbrier and muscadine grapevine.

Melaleuca (FLUCFCS Code 424)
The canopy of this habitat type includes melaleuca and scattered Java plum. The sub-canopy contains Brazilian pepper, melaleuca, Java plum, and widely scattered slash pine, wax myrtle, and cabbage palm. The ground cover includes broomsedge, bahiagrass, dog fennel, spermacoce, cabbage palm, little blue maidencane, and scattered saw palmetto.

Hardwood/Conifer Mixed, Disturbed (76-100% Exotics) (FLUCFCS Code 4349 E4)
This habitat type is similar to FLUCFCS Code 4349 E3, but with 76 to 100 percent earleaf acacia in the canopy and Brazilian pepper in the sub-canopy.

Disturbed Land (FLUCFCS Code 740)
The canopy of this land use type is primarily open with scattered slash pine and cabbage palm. The sub-canopy contains scattered wax myrtle, slash pine, saw palmetto, and Brazilian pepper. The ground cover includes bahiagrass, chocolateweed, lovegrass (*Eragrostis* sp.), broomsedge, and dog fennel.

Spoil Area (FLUCFCS Code 743)
The canopy of this land use type is open. The sub-canopy contains Brazilian pepper. The ground cover includes bahiagrass, dog fennel, and spermacoce.

Berm (FLUCFCS Code 747)
The canopy of this land use type includes live oak, cabbage palm, slash pine, melaleuca, and Brazilian pepper. The sub-canopy includes live oak, slash pine, Brazilian pepper, and saw palmetto. The ground cover contains caesarweed, muscadine grapevine, dog fennel, cabbage palm, and broomsedge.

3.3 Non-Indigenous Surface Waters

Ditch (FLUCFCS Code 514)
The canopy of this land use type is open. The sub-canopy contains Brazilian pepper, cabbage palm, live oak, and slash pine along the edges. The ground cover includes dotted smartweed (*Persicaria punctata*), torpedograss, Asiatic pennywort, Gulf Coast spikerush, dwarf papyrus (*Cyperus haspan*), frog fruit, Mexican clover (*Richardia* sp.), and small-fruit primrose willow (*Ludwigia microcarpa*).

Ditch, Hydric (FLUCFCS Code 514 H)
This habitat type is similar to FLUCFCS Code 514 H with a higher prevalence of wetland vegetation species such as torpedograss.

Cow Pond (FLUCFCS Code 525)
The canopy and sub-canopy of this land use type are open. The ground cover includes scattered torpedograss along the edges.

4.0 INDIGENOUS VEGETATION PRESERVATION AND ENHANCEMENT

A total of 295.80± acres (205.70± acres of wetlands and 90.10± acres of uplands) with less than 75 percent existing exotic vegetation will be preserved and enhanced by the hand-removal/treatment of exotic and nuisance vegetation. The locations of the indigenous preservation areas are shown on Appendix D.

4.1 Methods to Remove and Control Exotic and Nuisance Plants

Exotics to be eradicated include, but are not limited to, the 21 species of prohibited invasive exotic species listed in Section 10-420(h) of the LDC (Table 1).

Table 2. Prohibited Invasive Exotics

Common Name	Scientific Name
Air potato	*Dioscorea alata*
Australian pines	All *Casuarina* species
Bishopwood	*Bischofia javanica*
Brazilian pepper	*Schinus terebinthifolia*
Carrotwood	*Cupaniopsis anacardioides*
Chinese tallow	*Sapium sebiferum*
Cork tree	*Thespesia populnea*
Cuban laurel fig	*Ficus microcarpa*
Downy rose-myrtle	*Rhodomyrtus tomentosus*
Earleaf acacia	*Acacia auriculiformis*
Japanese climbing fern	*Lygodium japonicum*
Java plum	*Syzygium cumini*
Melaleuca	*Melaleuca quinquenervia*
Murray red gum	*Eucalyptus camaldulensis*
Old World climbing fern	*Lygodium microphyllum*
Rose apple	*Syzygium jambos*
Rosewood	*Dalbergia sissoo*

Table 2. (Continued)

Common Name	Scientific Name
Tropical soda apple	*Solanum viarum*
Wedelia	*Wedelia trilobata*
Weeping fig	*Ficus benjamina*
Woman's tongue	*Albizia lebbeck*

Exotic and nuisance vegetation removal will be conducted primarily by hand methods. Hand treatment will be either by the felling of exotic trees, hand-removal, and herbicide treatment of the tree stumps; or by hand-pulling and removal. The treatment of exotic and nuisance vegetation will include one or more of the following methods: (1) cut exotics within 12 inches of ground elevation, hand-remove cut vegetation, and treat the remaining stump with approved herbicide; (2) foliar application of approved herbicide or hand pulling of exotic seedlings; and (3) foliar application of approved herbicide to nuisance grasses.

4.2 Debris Removal

Exotic vegetative debris that is cut will be removed from the indigenous preserve areas. Exotic debris may be stacked in the adjacent agricultural lands for disposal but shall not be burned. The preserve areas will be inspected annually for trash/garbage. Any trash/garbage located within the preserve areas will be removed and disposed of by hand.

4.3 Method and Frequency of Pruning and Trimming

Exotic removal within the existing indigenous habitats is scheduled to begin after development order approval. After completing the initial exotic removal, semi-annual inspections of the preserves will occur for the first two years. During these inspections, the conservation areas will be traversed by a qualified ecologist. Locations of nuisance and/or exotic species will be identified for immediate treatment with an appropriate herbicide. Any additional potential problems will also be noted, and corrective actions will be taken. Once exotic/nuisance species levels have been reduced to acceptable limits, inspections of the conservation areas will be conducted a minimum of once every two years.

After the initial exotic removal, all subsequent exotic maintenance will be hand-removal only. Maintenance will be conducted in perpetuity to ensure that the conservation areas are free of exotic vegetation, including the prohibited invasive exotic species listed in Section 10-420(h) of the LDC (Table 1).

5.0 INDIGENOUS VEGETATION RESTORATION

Restoration and re-establishment of indigenous vegetation communities will be conducted in areas with greater than 75 percent coverage by exotic vegetation within the conservation areas. Restoration activities will include 359.60± acres of exotic removal and supplemental plantings in

existing forested and herbaceous habitats with greater than 75 percent exotics. Additionally, 6.90± acres of OSW will be backfilled and 16.80± acres of berms within the conservation areas will be removed and replanted with native wetland and upland vegetation. The locations of the various types of restoration areas are shown on Appendix D.

The restoration activities will result in the re-establishment of indigenous vegetation communities throughout the Project site. Due to the proximity to SWFIA, the restoration activities within the Buffer will include like-for-like habitat restoration to maintain similar structural characteristics within the preserve areas and minimize wildlife attractants. For example, a melaleuca forest will be replaced with native trees and an exotic-infested marsh will be replanted with herbaceous vegetation. Photographs providing examples of like-for-like habitat restoration are included as Appendix E. Plantings within the Buffer will be consistent with LCPA's Compatible Native Landscape List (Appendix F). The location of the Buffer is shown on Appendix D. In addition to the re-establishment of indigenous vegetation, extensive berm removal activities will restore the hydrologic connectivity that historically existed among the on-site wetland communities.

5.1 Removal of Exotics and Supplemental Plantings

Approximately 359.60± acres (301.50± acres of wetlands and 58.10± acres of uplands) with greater than 75 percent exotics will be enhanced by removing exotic species and supplemental plantings of native vegetation. This includes 229.79± acres of wetlands and 53.88± acres of upland located within the Buffer that will be subjected to like-for-like habitat restoration and compliance with LCPA's Compatible Native Landscape List. Mechanical equipment may be utilized to assist in the removal of exotic species in these areas. The mechanical removal areas will be flagged in the field and approved by Lee County Department of Community Development (DCD) staff prior to issuance of a vegetation removal permit. Cut vegetative debris will be removed from these areas to allow for successful supplemental plantings. All efforts will be made to preserve native trees when conducting the exotic removal with mechanized equipment. To minimize adverse impacts to the ground surface, machinery that exerts a relatively low impact on the ground surface (i.e., tracked skid steer, feller-buncher) will be utilized within the mechanical removal areas. To prevent ground disturbance, mechanical equipment will not be utilized in areas of the preserve that are saturated or inundated. If rutting occurs, the ground surface will be restored to natural grade with the use of low impact equipment or by hand methods such as raking.

Following the removal of exotics, supplemental wetland plantings will be installed in the 301.50± acres of wetland habitats. Wetland plantings will be selected based on the type of native vegetation that occurs in the adjacent or nearby wetland habitats. Tree and ground cover species will be planted according to the specifications in Table 2. A minimum of three tree species and three ground cover species will be planted. The species selected for planting will depend on market availability at the time the plantings are to occur. Additional tree and ground cover species may be included in the planting table with approval from Lee County staff.

Plant material installed in wetland restoration areas located within the Buffer (229.79± acres) will adhere to the LCPA Compatible Native Landscape List (Appendix F).

Table 3. Supplemental Wetland Plantings[1]

Common Name	Scientific Name	Minimum Height	Container Size	Planting Instruction (On Center)
Trees (minimum three species)				
Bald cypress*	*Taxodium distichum*	2 to 5 ft.	BR to 3 gal.	20 ft.
Dahoon holly (male only)*	*Ilex cassine*	2 to 5 ft.	BR to 3 gal.	20 ft.
Laurel oak*	*Quercus laurifolia*	2 to 5 ft.	BR to 3 gal.	20 ft.
Pond apple	*Annona glabra*	2 to 5 ft.	BR to 3 gal.	20 ft.
Pop ash	*Fraxinus caroliniana*	2 to 5 ft.	BR to 3 gal.	20 ft.
Red maple	*Acer rubrum*	2 to 5 ft.	BR to 3 gal.	20 ft.
Slash pine*	*Pinus elliottii* var. *densa*	2 to 5 ft.	BR to 3 gal.	20 ft.
Swamp bay*	*Persea palustris*	2 to 5 ft.	BR to 3 gal.	20 ft.
Ground Cover (minimum three species)				
Alligator flag*	*Thalia geniculata*	12 in.	2 in.	3 to 5 ft.
Arrowhead	*Sagittaria lancifolia*	12 in.	2 in.	3 to 5 ft.
Blue maidencane	*Amphicarpum muhlenbergianum*	12 in.	2 in.	3 to 5 ft.
Dense-flower knotweed	*Polygonum glabrum*	12 in.	2 in.	3 to 5 ft.
Fakahatchee grass*	*Tripsacum dactyloides*	12 in.	2 in.	3 to 5 ft.
Golden canna	*Canna flaccida*	12 in.	2 in.	3 to 5 ft.
Gulfdune paspalum	*Paspalum monostachyum*	12 in.	2 in.	3 to 5 ft.
Maidencane	*Panicum hemitomon*	12 in.	2 in.	3 to 5 ft.
Muhly grass*	*Muhlenbergia capillaris*	12 in.	2 in.	3 to 5 ft.
Pickerelweed	*Pontederia cordata*	12 in.	2 in.	3 to 5 ft.
Sand cordgrass*	*Spartina bakeri*	12 in.	2 in.	3 to 5 ft.
Sawgrass	*Cladium jamaicense*	12 in.	2 in.	3 to 5 ft.
Soft-stem bulrush	*Scirpus validus*	12 in.	2 in.	3 to 5 ft.
Spikerush*	*Eleocharis interstincta*	12 in.	2 in.	3 to 5 ft.
Swamp lily	*Crinum americanum*	12 in.	2 in.	3 to 5 ft.
Wiregrass*	*Aristida stricta*	12 in.	2 in.	3 to 5 ft.

BR – Bare root
[1]Plantings to be installed in Indigenous Wetland Restoration (301.50± acres)
*Compatible with LCPA plant list.

Following the removal of exotic vegetation, supplemental upland plantings will be installed in 58.10± acres of upland habitats. Upland plantings will be selected to replace the type of native vegetation that occurs in the adjacent or nearby upland habitats. Tree plantings will include primarily slash pine, although other tree species listed in Table 3 may be utilized. Upland tree and ground cover plantings will be installed according to the specifications listed in Table 3. A minimum of two tree species and three ground cover species will be planted. The species selected for planting will depend on market availability at the time the

plantings are to occur. Additional tree and ground cover species may be included in the planting table with approval from Lee County staff.

Plant material installed in upland restoration areas located within the Buffer (53.88± acres) will adhere to the LCPA Compatible Native Landscape List (Appendix F).

Table 4. Supplemental Upland Plantings[1]

Common Name	Scientific Name	Minimum Height	Minimum Container Size	Planting Instruction (On Center)
Trees (minimum two species)				
Laurel oak*	*Quercus laurifolia*	2 to 5 ft.	BR to 3 gal.	20 ft.
Live oak	*Quercus virginiana*	2 to 5 ft.	BR to 3 gal.	20 ft.
Slash pine*	*Pinus elliottii* var. *densa*	2 to 5 ft.	BR to 3 gal.	20 ft.
Ground Cover (minimum three species)				
Blue maidencane	*Amphicarpum muhlenbergianum*	12 in.	2 in.	3 to 5 ft.
Broomsedge	*Andropogon virginicus*	12 in.	2 in.	3 to 5 ft.
Fakahatchee grass*	*Tripsacum dactyloides*	12 in.	2 in.	3 to 5 ft.
Gulfdune paspalum	*Paspalum monostachyum*	12 in.	2 in.	3 to 5 ft.
Muhly grass*	*Muhlenbergia capillaris*	12 in.	2 in.	3 to 5 ft.
Sand cordgrass*	*Spartina bakeri*	12 in.	2 in.	3 to 5 ft.
Saw palmetto*	*Serenoa repens*	12 in.	1 gal.	8 ft.
Wiregrass*	*Aristida stricta*	12 in.	2 in.	3 to 5 ft.

[1]Plantings to be installed in Indigenous Upland Restoration (58.10± acres)
*Compatible with LCPA planting list.
BR – Bare root

5.2 OSW Backfilling, Berm Removal, and Supplemental Plantings

Historic aerials show the property was formerly used for agricultural operations. As part of the historic agricultural surface water management, an extensive network of ditches and berms have been constructed on the property which has led to the partitioning of wetland systems within the site. This includes a historic farm road that bisects the site and precludes hydrologic connectivity between wetland systems located in the northern and southern portions of the property. This road has been used by the SFWMD to represent the dividing line between the Estero River and Six Mile Cypress sub-watersheds.

To restore the hydrologic connectivity that historically existed among the on-site wetland communities, 16.80± acres of berms will be removed and 6.90± acres of OSW (i.e., agricultural ditches) will be backfilled using the berm material. This includes 13.7± acres of OSW and berm material that will be restored to wetlands and 10± acres of OSW and berm material that will be restored to uplands. Of the 13.7± acres of OSW and berm that will be restored to wetlands, 9.61± acres are located within the Buffer and will be subjected to like-for-like habitat restoration and compliance with LCPA's Compatible Native Landscape List (Appendix F). Similarly, of the 10± acres of OSW and berm that will be

restored to uplands, 8.78± acres located within the Buffer will be subjected to like-for-like habitat restoration and compliance with LCPA's Compatible Native Landscape List (Appendix F). These areas will be regraded to match adjacent natural grade and planted with native vegetation according to the specifications listed in Tables 2 and 3.

The proposed hydrologic restoration activities are designed to reconnect the Project's wetland systems and are not anticipated to increase wetland hydroperiods. Activities that could increase wetland hydroperiods, such as excavating/lowering the ground surface or creating impoundments, are not proposed as they could potentially attract hazardous wildlife. The main objective of the hydrologic restoration is to facilitate the north to south flow of water through the Project site that existed historically while maintaining existing wetland hydroperiods. It is anticipated that cypress and freshwater marsh systems will maintain long hydroperiods (approximately 180-270 days) while hydric pine and mixed wetland hardwood hammocks will maintain short hydroperiods (approximately 30-60 days), consistent with SFWMD habitat characterizations (SFWMD 2007).

A flow path will be established in the central portion of the site which will facilitate a hydrologic connection between the Estero River and Six Mile Cypress sub-watersheds. Per coordination with LCPA staff, the flow path was designed to be a closed (i.e., piped with no open standing water) system so it would not function as a wildlife attractant. The location of the flow path is shown on Appendix D. A cross-section showing how the flow path is intended to function is provided as Appendix G. The flow path will connect two short hydroperiod wetland habitat types (i.e., hydric pine and mixed wetland hardwoods); therefore, hydrologic connection between these systems is anticipated to occur only during peak wetland water levels or after large storm events.

6.0 BUFFER REQUIREMENTS

The MCP indicates that portions of the indigenous preserve and restoration areas will be utilized to meet Type D buffer requirements. The Type D buffer area is approximately 1,320 linear feet; therefore, this area must contain 66 trees and 872 shrubs per LDC requirements. If sufficient native vegetation does not exist within the preserve area to meet the Type D requirement, tree and shrub plantings will be installed in accordance with Table 5. Plant material installed will adhere to the LCPA Compatible Native Landscape List (Appendix F).

Table 5. Buffer Plantings

Common Name	Scientific Name	Minimum Height	Container Size
Wetland Trees[1]			
Bald cypress*	*Taxodium distichum*	10 ft.	15 gal.
Dahoon holly (male only)*	*Ilex cassine*	10 ft.	15 gal.
Laurel oak*	*Quercus laurifolia*	10 ft.	15 gal.
Pond apple	*Annona glabra*	10 ft.	15 gal.
Pop ash	*Fraxinus caroliniana*	10 ft.	15 gal.

Table 5. (Continued)

Common Name	Scientific Name	Minimum Height	Container Size
Wetland Trees[1]			
Red maple	*Acer rubrum*	10 ft.	15 gal.
Slash pine*	*Pinus elliottii* var. *densa*	10 ft.	15 gal.
Swamp bay*	*Persea palustris*	10 ft.	15 gal.
Wetland Shrubs			
Pitchapple*	*Clusia rosea*	24 in.	3 gal.
Wax myrtle	*Myrica cerifera*	24 in.	3 gal.
Gallberry*	*Ilex glabra*	24 in.	3 gal.
Myrsine*	*Myrsine cubana*	24 in.	3 gal.
Buttonbush	*Cephalanthus occidentalis*	24 in.	3 gal.
Cocoplum	*Chrysobalanus icaco*	24 in.	3 gal.
Upland Trees			
Laurel oak*	*Quercus laurifolia*	10 ft.	15 gal.
Live oak	*Quercus virginiana*	10 ft.	15 gal.
Slash pine*	*Pinus elliottii* var. *densa*	10 ft.	15 gal.
Upland Shrubs			
Wax myrtle	*Myrica cerifera*	24 in.	3 gal.
Pitchapple*	*Clusia rosea*	24 in.	3 gal.
Bahama cassia*	*Cassia bahamensis*	24 in.	3 gal.
Gallberry*	*Ilex glabra*	24 in.	3 gal.
Rusty lyonia*	*Lyonia ferruginea*	24 in.	3 gal.
Firebush*	*Hamelia patens*	24 in.	3 gal.
Saw palmetto*	*Serenoa repens*	24 in.	3 gal.
Myrsine*	*Myrsine cubana*	24 in.	3 gal.
Cocoplum	*Chrysobalanus icaco*	24 in.	3 gal.

[1]Tree Plantings must have a minimum four-foot spread and two-inch caliper width.
*Compatible with LCPA planting list.

7.0 RESTORATION ACTIVITY SCHEDULE

Site development and restoration may occur in phases. Details of phasing will be addressed at the time of Development Order. Restoration activities in each phase (e.g., Phases 1, 2, etc.) will be completed within ten years or sooner from the date of issuance of the first development order for that phase. The initial Development Order must include all indigenous vegetation preservation, enhancement, and restoration, and hydrologic restoration to support the phased site plan and corresponding density.

8.0 SUCCESS CRITERIA

8.1 Indigenous Wetland and Upland Preservation and Enhancement

The following are the success criteria for the indigenous preserve areas:

1) Initial eradication of exotic and nuisance vegetation will be completed; and
2) The preserve areas will be maintained free from exotic vegetation. Exotic vegetation species include, but are not limited to, the 21 species of prohibited invasive exotic species listed in Section 10-420(h) of the LDC (Table 1).

8.2 Indigenous Wetland and Upland Restoration

The following are the success criteria for the indigenous wetland and upland restoration areas:

1) Initial eradication of exotic and nuisance vegetation will be completed;
2) Removal of berms and backfilling of ditches will be completed;
3) Supplemental plantings will be completed in the indigenous restoration areas;
4) A minimum 80 percent survival of tree and ground cover plantings after five years; and
5) The preserve areas will be maintained free from exotic vegetation. Exotic vegetation species include, but are not limited to, the 21 species of prohibited invasive exotic species listed in Section 10-420(h) of the LDC (Table 1).

9.0 MAINTENANCE

After completing the initial exotic removal, semi-annual inspections of the conservation areas will occur for the first two years. During these inspections, the conservation areas will be traversed by a qualified ecologist. Locations of nuisance and/or exotic species will be identified for immediate treatment with an appropriate herbicide. Any additional potential problems will also be noted, and corrective actions will be taken. Once exotic/nuisance species levels have been reduced to acceptable limits, inspections of the conservation areas will be conducted annually.

After the initial exotic removal, all subsequent exotic maintenance will be hand-removal only. Maintenance will be conducted in perpetuity to ensure that the conservation areas are free of exotic vegetation, including the prohibited invasive exotic species listed in Section 10-420(h) of the LDC (Table 1).

10.0 MONITORING REPORTS

Monitoring will be conducted annually for the conservation areas. Annual reports documenting the achievement of the success criteria outlined in Section 8.0 will be submitted to Lee County DCD staff. Annual monitoring reports will be provided for five years after the Certificate of Compliance has been issued by the DCD or until 80 percent survivability is reached. Monitoring

will typically be conducted during the height of the growing season (August to October), with annual reports submitted by January 15. The timing of monitoring may be adjusted based on environmental conditions.

Annual monitoring reports will be provided as described above. The monitoring reports will include documented exotic and nuisance species, mortality of vegetation, estimated causes of mortality, growth of the vegetation, wildlife observed, photographs, and factors that demonstrate the functional health of the conservation areas. A brief description of anticipated maintenance work to be conducted over the next year will also be included. Periodic inspections will be conducted by DCD staff to ensure the accuracy of the monitoring reports.

11.0 LONG-TERM MANAGEMENT AND MONITORING

The conservation areas will be placed in a conservation easement granted to Lee County and the SFWMD with third-party enforcement rights to the Florida Department of Environmental Protection and U.S. Fish and Wildlife Service. The conservation easement will prevent the encroachment of future development as well as activities that are incompatible with the goal of sustaining the preserved and restored conservation areas in good ecological health. Responsibility for long-term management of the conservation areas will shift to the Community Development District or Homeowners' Association following the completion of enhancement and restoration activities on-site. Long-term management of exotic and nuisance vegetation, debris removal, and methods and frequency of trimming and pruning will adhere to the requirement outlined in Section 4.0 of this plan.

12.0 PRESERVE SIGNAGE AND COMMUNITY EDUCATION PLAN

Signs identifying the preserve as a "nature preserve area" will be installed along the boundary of the conservation areas. The signage will include language stating, "No dumping allowed." The signs will be spaced a maximum of 300 feet apart. The signs will be no closer than ten feet from residential property lines and be limited to a maximum height of four feet and a maximum size of two square feet. A typical preserve sign is attached as Appendix H.

Community informational and educational brochures, such as those describing the benefits of preserve areas, may be created and provided as needed to keep residents in compliance with conservation easements, wildlife regulations, etc. Continued education will ensure that the community is well-informed regarding the preserves and wildlife coexistence. A separate Protected Species Management and Human-Wildlife Coexistence Plan has been prepared to address human-wildlife conflicts.

13.0 REFERENCES

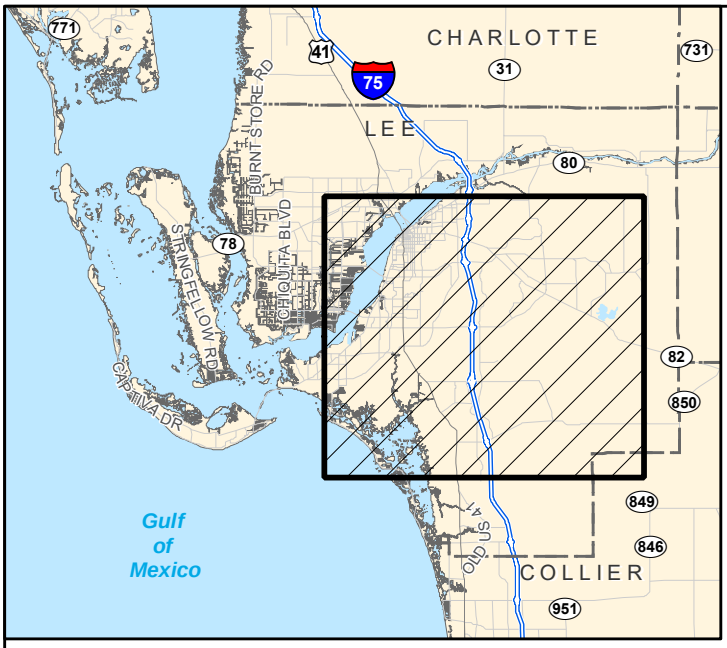
Florida Department of Transportation. 1999. Florida Land Use, Cover and Forms Classification System (FLUCFCS). Procedure No. 550-010-001-a. Third Edition.

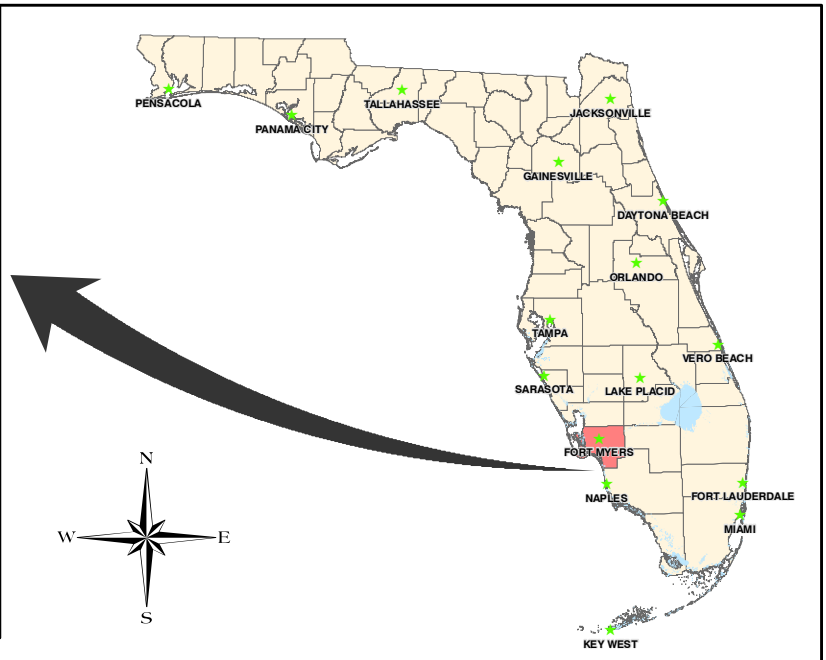
Florida Natural Areas Inventory. 2010. Guide to the Natural Communities of Florida: 2010 Edition. Florida Natural Areas Inventory, Tallahassee, Florida.

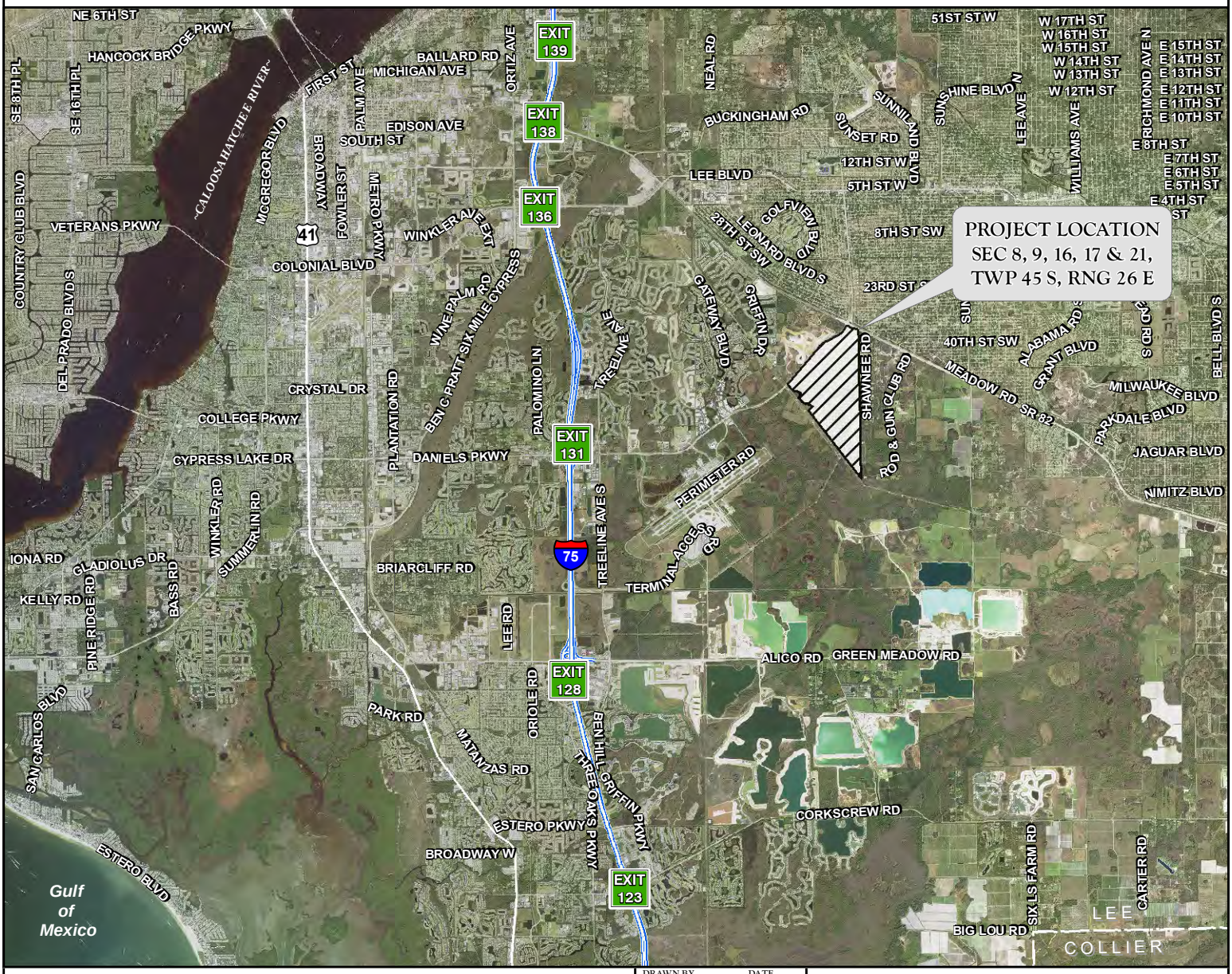
South Florida Water Management District. 2007. Pre-Development Vegetation Communities of Southern Florida. Technical Publication HESM-02.

APPENDIX A

PROJECT LOCATION MAP







APPENDIX A. PROJECT LOCATION MAP
DANIELS PARKWAY SOUTH

DRAWN BY	DATE
P.F.	11/10/21
REVIEWED BY	DATE
C.R.	11/10/21
REVISED	DATE

PASSARELLA & ASSOCIATES INC
Consulting Ecologists

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APPENDIX B

RARE AND UNIQUE UPLAND PRESERVE MAP

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PROJECT LOCATION



ON-SITE EXAMPLE OF RARE AND UNIQUE UPLAND:
MATURE PINE FLATWOODS HABITAT

LEGEND

- Daniels Parkway South
- Indigenous Upland Preserve Enhancement (90.1 Ac.±)
- Rare and Unique Upland Preserve and Enhancement (58.1 Ac.±)
- Southwest Florida International Airport 10,000' Hazardous Wildlife Buffer
- Approximate Location of Flow Path
- Approximate Location of Culvert Connection

NOTES:

PROPERTY BOUNDARY AND PRESERVE AREA PER MORRIS DEPEW DRAWING No. PRESERVE BOUNDARIES & PROPERTY BOUNDARY.DWG DATED MAY 2, 2022.

SITE PLAN PER MORRIS DEPEW DRAWING No. 21008-01 PARCELS.DWG DATED MAY 3, 2022.

SWFIA 10,000' HAZARDOUS WILDLIFE BUFFER PER MORRIS DEPEW DRAWING No. 21008-01 X-102 OPEN SPACE.DWG DATED APRIL 25, 2022.

FLUCFCS LINES ESTIMATED FROM 1"=200' AERIAL PHOTOGRAPHS AND LOCATIONS APPROXIMATED.

FLUCFCS PER FLORIDA LAND USE, COVER AND FORMS CLASSIFICATION SYSTEM (FLUCFCS) (FDOT 1999).

UPLAND/WETLAND LIMITS WERE FIELD REVIEWED AND APPROVED BY SFWMD STAFF ON JANUARY 14, 20, AND 21, 2022.

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DRAWN BY	DATE
T.S.	8/12/22
REVIEWED BY	DATE
S.J.	8/12/22
REVISED	DATE

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Passarella & Associates, Inc
Consulting Ecologists

DANIELS PARKWAY SOUTH

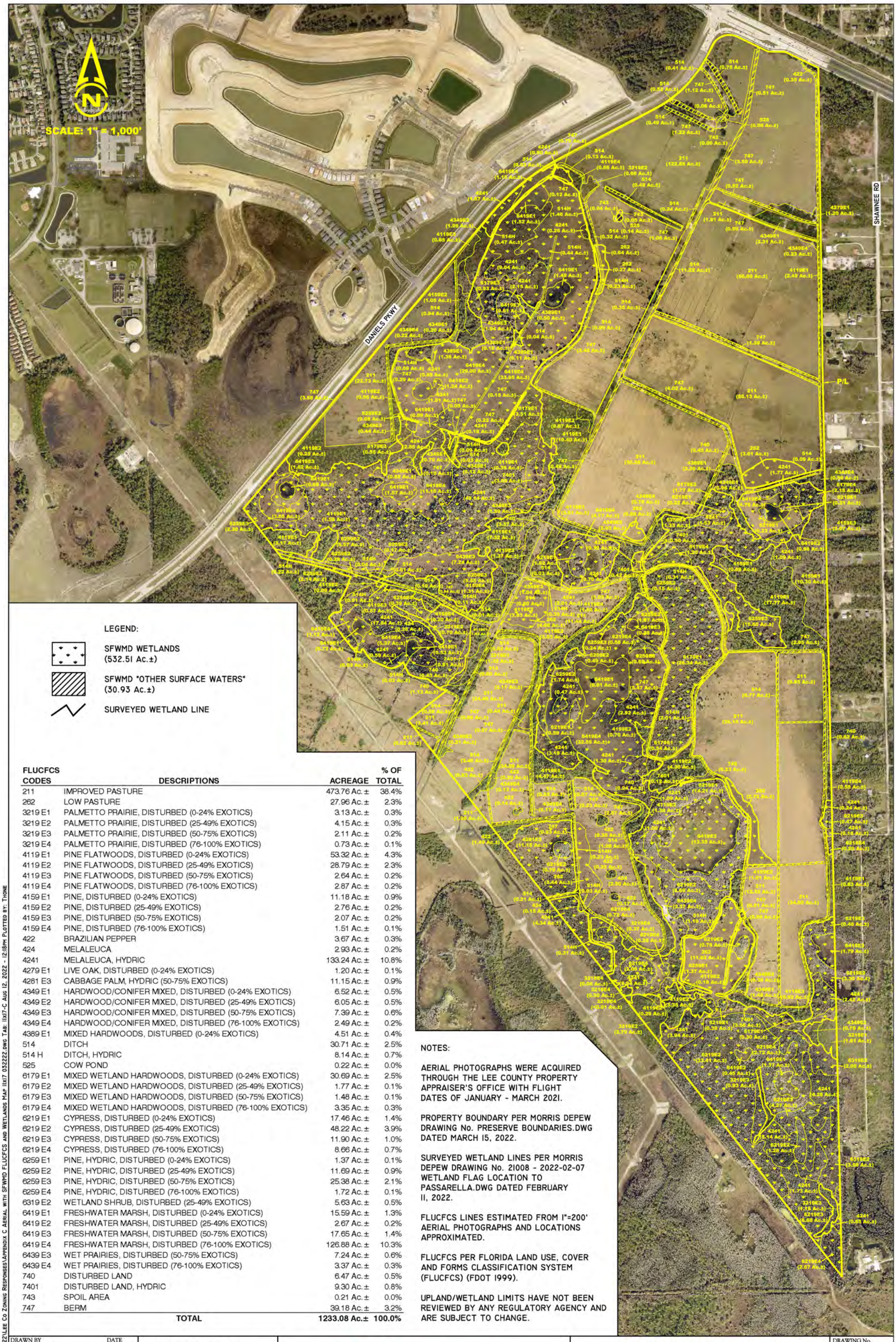
RARE AND UNIQUE UPLAND PRESERVE MAP

DRAWING No. 19LLL3192

SHEET No. APPENDIX B

APPENDIX C

AERIAL WITH SFWMD FLUCFCS AND WETLANDS MAP



LEGEND:

SFWMD WETLANDS (532.51 Ac.±)

SFWMD "OTHER SURFACE WATERS" (30.93 Ac.±)

SURVEYED WETLAND LINE

FLUCFCS CODES	DESCRIPTIONS	ACREAGE	% OF TOTAL
211	IMPROVED PASTURE	473.76 Ac. ±	38.4%
262	LOW PASTURE	27.96 Ac. ±	2.3%
3219 E1	PALMETTO PRAIRIE, DISTURBED (0-24% EXOTICS)	3.13 Ac. ±	0.3%
3219 E2	PALMETTO PRAIRIE, DISTURBED (25-49% EXOTICS)	4.15 Ac. ±	0.3%
3219 E3	PALMETTO PRAIRIE, DISTURBED (50-75% EXOTICS)	2.11 Ac. ±	0.2%
3219 E4	PALMETTO PRAIRIE, DISTURBED (76-100% EXOTICS)	0.73 Ac. ±	0.1%
4119 E1	PINE FLATWOODS, DISTURBED (0-24% EXOTICS)	53.32 Ac. ±	4.3%
4119 E2	PINE FLATWOODS, DISTURBED (25-49% EXOTICS)	28.79 Ac. ±	2.3%
4119 E3	PINE FLATWOODS, DISTURBED (50-75% EXOTICS)	2.64 Ac. ±	0.2%
4119 E4	PINE FLATWOODS, DISTURBED (76-100% EXOTICS)	2.87 Ac. ±	0.2%
4159 E1	PINE, DISTURBED (0-24% EXOTICS)	11.18 Ac. ±	0.9%
4159 E2	PINE, DISTURBED (25-49% EXOTICS)	2.76 Ac. ±	0.2%
4159 E3	PINE, DISTURBED (50-75% EXOTICS)	2.07 Ac. ±	0.2%
4159 E4	PINE, DISTURBED (76-100% EXOTICS)	1.51 Ac. ±	0.1%
422	BRAZILIAN PEPPER	3.67 Ac. ±	0.3%
424	MELALEUCA	2.93 Ac. ±	0.2%
4241	MELALEUCA, HYDRIC	133.24 Ac. ±	10.8%
4279 E1	LIVE OAK, DISTURBED (0-24% EXOTICS)	1.20 Ac. ±	0.1%
4281 E3	CABBAGE PALM, HYDRIC (50-75% EXOTICS)	11.15 Ac. ±	0.9%
4349 E1	HARDWOOD/CONIFER MIXED, DISTURBED (0-24% EXOTICS)	6.52 Ac. ±	0.5%
4349 E2	HARDWOOD/CONIFER MIXED, DISTURBED (25-49% EXOTICS)	6.05 Ac. ±	0.5%
4349 E3	HARDWOOD/CONIFER MIXED, DISTURBED (50-75% EXOTICS)	7.39 Ac. ±	0.6%
4349 E4	HARDWOOD/CONIFER MIXED, DISTURBED (76-100% EXOTICS)	2.49 Ac. ±	0.2%
4389 E1	MIXED HARDWOODS, DISTURBED (0-24% EXOTICS)	4.51 Ac. ±	0.4%
514	DITCH	30.71 Ac. ±	2.5%
514 H	DITCH, HYDRIC	8.14 Ac. ±	0.7%
525	COW POND	0.22 Ac. ±	0.0%
6179 E1	MIXED WETLAND HARDWOODS, DISTURBED (0-24% EXOTICS)	30.69 Ac. ±	2.5%
6179 E2	MIXED WETLAND HARDWOODS, DISTURBED (25-49% EXOTICS)	1.77 Ac. ±	0.1%
6179 E3	MIXED WETLAND HARDWOODS, DISTURBED (50-75% EXOTICS)	1.48 Ac. ±	0.1%
6179 E4	MIXED WETLAND HARDWOODS, DISTURBED (76-100% EXOTICS)	3.35 Ac. ±	0.3%
6219 E1	CYPRESS, DISTURBED (0-24% EXOTICS)	17.46 Ac. ±	1.4%
6219 E2	CYPRESS, DISTURBED (25-49% EXOTICS)	48.22 Ac. ±	3.9%
6219 E3	CYPRESS, DISTURBED (50-75% EXOTICS)	11.90 Ac. ±	1.0%
6219 E4	CYPRESS, DISTURBED (76-100% EXOTICS)	8.66 Ac. ±	0.7%
6259 E1	PINE, HYDRIC, DISTURBED (0-24% EXOTICS)	1.37 Ac. ±	0.1%
6259 E2	PINE, HYDRIC, DISTURBED (25-49% EXOTICS)	11.69 Ac. ±	0.9%
6259 E3	PINE, HYDRIC, DISTURBED (50-75% EXOTICS)	25.38 Ac. ±	2.1%
6259 E4	PINE, HYDRIC, DISTURBED (76-100% EXOTICS)	1.72 Ac. ±	0.1%
6319 E2	WETLAND SHRUB, DISTURBED (25-49% EXOTICS)	5.63 Ac. ±	0.5%
6419 E1	FRESHWATER MARSH, DISTURBED (0-24% EXOTICS)	15.59 Ac. ±	1.3%
6419 E2	FRESHWATER MARSH, DISTURBED (25-49% EXOTICS)	2.67 Ac. ±	0.2%
6419 E3	FRESHWATER MARSH, DISTURBED (50-75% EXOTICS)	17.65 Ac. ±	1.4%
6419 E4	FRESHWATER MARSH, DISTURBED (76-100% EXOTICS)	126.88 Ac. ±	10.3%
6439 E3	WET PRAIRIES, DISTURBED (50-75% EXOTICS)	7.24 Ac. ±	0.6%
6439 E4	WET PRAIRIES, DISTURBED (76-100% EXOTICS)	3.37 Ac. ±	0.3%
740	DISTURBED LAND	6.47 Ac. ±	0.5%
7401	DISTURBED LAND, HYDRIC	9.30 Ac. ±	0.8%
743	SPOIL AREA	0.21 Ac. ±	0.0%
747	BERM	39.18 Ac. ±	3.2%
	TOTAL	**1233.08 Ac.±**	**100.0%**

NOTES:

AERIAL PHOTOGRAPHS WERE ACQUIRED THROUGH THE LEE COUNTY PROPERTY APPRAISER'S OFFICE WITH FLIGHT DATES OF JANUARY - MARCH 2021.

PROPERTY BOUNDARY PER MORRIS DEPEW DRAWING No. PRESERVE BOUNDARIES.DWG DATED MARCH 15, 2022.

SURVEYED WETLAND LINES PER MORRIS DEPEW DRAWING No. 21008 - 2022-02-07 WETLAND FLAG LOCATION TO PASSARELLA.DWG DATED FEBRUARY 11, 2022.

FLUCFCS LINES ESTIMATED FROM 1"=200' AERIAL PHOTOGRAPHS AND LOCATIONS APPROXIMATED.

FLUCFCS PER FLORIDA LAND USE, COVER AND FORMS CLASSIFICATION SYSTEM (FLUCFCS) (FDOT 1999).

UPLAND/WETLAND LIMITS HAVE NOT BEEN REVIEWED BY ANY REGULATORY AGENCY AND ARE SUBJECT TO CHANGE.

J:\2019\19lll3192\2022\Lee Co Zoning Responses\Appendix C Aerial with SFWMD FLUCFCS and Wetlands Map 11x17 032222.dwg Tab: 11x17-C Aug 12, 2022 - 12:18pm Plotted by: Thone

DRAWN BY	DATE
P.F./T.S.	3/22/22
REVIEWED BY	DATE
J.T./B.T.	3/22/22
REVISED	DATE

13620 Metropolis Avenue
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Fax (239) 274-0069

Passarella & Associates, Inc.
Consulting Ecologists

DANIELS ROAD SOUTH

AERIAL WITH SFWMD FLUCFCS AND WETLANDS MAP

DRAWING No. 19lll3192

SHEET No. APPENDIX C

APPENDIX D

INDIGENOUS VEGETATION PRESERVATION, RESTORATION, AND MANAGEMENT PLAN

PROJECT LOCATION

LEGEND

- Daniels Parkway South
- Conservation Area (679.1 Ac.±)
- Indigenous Wetland Preserve and Enhancement (205.7 Ac.±)
- Indigenous Wetland Restoration (301.5 Ac.±)
- Indigenous Upland Preserve and Enhancement (90.1 Ac.±)
- Indigenous Upland Restoration (58.1 Ac.±)
- Other Surface Waters to be Restored to Indigenous Wetlands (2.5 Ac.±)
- Other Surface Waters to be Restored to Indigenous Uplands (4.4 Ac.±)
- Berms to be Restored to Indigenous Wetlands (11.2 Ac.±)
- Berms to be Restored to Indigenous Uplands (5.6 Ac.±)
- Southwest Florida International Airport 10,000' Hazardous Wildlife Buffer
- Approximate Location of Flow Path
- Approximate Location of Culvert Connection

N W E S

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NOTES:

PROPERTY BOUNDARY AND PRESERVE AREA PER MORRIS DEPEW DRAWING No. PRESERVE BOUNDARIES & PROPERTY BOUNDARY.DWG DATED MAY 2, 2022.

SITE PLAN PER MORRIS DEPEW DRAWING No. 21008-01 PARCELS.DWG DATED MAY 3, 2022.

SWFIA 10,000' HAZARDOUS WILDLIFE BUFFER PER MORRIS DEPEW DRAWING No. 21008-01 X-102 OPEN SPACE.DWG DATED APRIL 25, 2022.

FLUCFCS LINES ESTIMATED FROM 1"=200' AERIAL PHOTOGRAPHS AND LOCATIONS APPROXIMATED.

FLUCFCS PER FLORIDA LAND USE, COVER AND FORMS CLASSIFICATION SYSTEM (FLUCFCS) (FDOT 1999).

UPLAND/WETLAND LIMITS WERE FIELD REVIEWED AND APPROVED BY SFWMD STAFF ON JANUARY 14, 20, AND 21, 2022.

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DRAWN BY	DATE
T.S.	11/11/21
REVIEWED BY	DATE
C.R.	11/11/21
REVISED	DATE
T.S.	5/3/22

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DANIELS PARKWAY SOUTH
INDIGENOUS VEGETATION PRESERVATION, RESTORATION, AND MANAGEMENT PLAN

DRAWING No. 19LLL3192

SHEET No. APPENDIX D

APPENDIX E

LIKE-FOR-LIKE HABITAT RESTORATION EXAMPLES



Pre-restoration forested habitat containing dense exotic melaleuca trees.



Post-restoration forested habitat containing LCPA-compatible native cypress trees.



Pre-restoration freshwater marsh habitat containing a monoculture of exotic torpedograss.



Post-restoration freshwater marsh habitat containing a mixture of LCPA-compatible native ground cover species (e.g., alligator flag, spikerush, cordgrass).

APPENDIX F

LCPA COMPATIBLE AND NON-COMPATIBLE PLANT LIST

LCPA Compatible and Non-Compatible Plant List

LCPA worked in conjunction with a Federal Aviation Administration (FAA) Qualified Airport Wildlife Biologist and local landscape architects to develop compatible and incompatible plant lists. In general, the goal is to reduce or eliminate landscaping materials that would provide food, water, or shelter and/or a combination of these basic needs that attract either large flocks of birds or birds that pose a high risk to aviation. For example, flocks of blackbirds, large raptors, flocks of ducks, large wading birds, or flocks of shorebirds could pose a high risk to aviation.

The landscape list categories are described below and a list of species for each category is provided in Table 1. The table provides a breakdown of each category by native and non-native trees/palms, shrubs, and grasses/groundcovers that are suitable for the southwest Florida environment. Please note that this list is provided for guidance only. Exception may be warranted due to additional requirements or site specific constraints.

Compatible – Group 1

Plant materials listed under this category are not known to attract high risk species or flocking birds. While all plants have the ability to provide some type of attractant to wildlife (including prey base for hazardous species), Group 1 species are considered compatible and can be used in any number, density, or arrangement. If a wildlife hazard attractant arises that could pose a threat to aviation, LCPA will work with Lee County staff and the landowner to determine if measures could be put in place to reduce the attractant.

Compatible – Group 2

Plant materials listed under this category may attract high risk species or flocking birds under certain circumstances. No large groupings of these species should be utilized in an effort to minimize their attractiveness to wildlife. The allowable size grouping of these species will vary based on the site setting and should be reviewed on a case by case basis. The corresponding note to the Group 2 species in Table 1 will explain restrictions or guidance on using the plant materials. If these plants are planned for use, LCPA staff should be included in review of the landscape plan. If a wildlife hazard attractant arises that could pose a threat to aviation, LCPA will work with Lee County staff and the landowner to determine if measures could be put in place to reduce the attractant.

Non-Compatible

Plant materials listed under this category are known to attract high risk species or flocking birds. Species on this list are not recommended for use.

Table 1: LCPA Landscape List (April 2016 Update)

Common Name	*Scientific Name*	Compatible		Incompatible
		Group 1	Group 2	
Native Trees / Palms				
Gumbo Limbo	*Bursera simaruba*	X		
Green Buttonwood	*Conocarpus erectus*	X		
Silver Buttonwood	*Conocarpus erectus var. sericeus*	X		
Orange Geiger	*Cordia sebestena*	X		
Loblolly Bay	*Gordonia lasianthus*	X		
Florida Anise	*Illicum floridanum*	X		
Swamp Bay	*Persea palustris*	X		
Jamaican Dogwood	*Piscidia piscipula*	X		
Mahogany	*Swietenia mahogany*	X		
Paurotis Palm	*Acoelorrhaphe wrightii*	X		
Royal Palm	*Roystonea regia*	X		
Jamacia caper	*Capparis cynophallophora*	X		
Sweetgum	*Liquidambar styraciflua*	X		
Florida Soapberry	*Sapindus saponaria*	X		
Florida Thatch Palm	*Thrinax radiata*	X		
Dahoon Holly (male only)	*Ilex cassine*		X	
Yaupon Holly (male only)	*Ilex vomitoria*		X	
Sweetbay Magnolia	*Magnolia virginiana*		X	
South Florida Slash Pine	*Pinus elliottii var. densa*		X	
Laurel Oak	*Quercus laurifolia*		X	
Cypress	*Taxodium spp.*		X	
Cabbage Palm	*Sabal palmetto*		X	
Red Maple	*Acer rubrum*			X
Pond Apple	*Annona glabra*			X
Satin Leaf	*Chrysophyllum oliviforme*			X
Pigeon Plum	*Coccoloba diversifolia*			X

Table 1: LCPA Landscape List (April 2016 Update)

Common Name	*Scientific Name*	Compatible		Incompatible
		Group 1	Group 2	
Sea Grape	*Coccoloba uvifera*			X
Florida Silver Palm	*Coccothrinax argentata*			X
Pop Ash	*Fraxinua caroliniana*			X
Southern Red Cedar	*Juniperus silicicola*			X
Mastic	*Mastichodendron foetidissimum*			X
Wax Myrtle	*Myrica cerifera*			X
Live Oak	*Quercus virginiana*			X
American Elm	*Ulmus americana*			X
Non-Native Trees/Palms				
Shady Lady / Black Olive	*Bucida buceras*	X		
Crapemyrtle	*Lagerstoemia spp.*	X		
Verawood	*Bulnesia arborea*	X		
Bismark Palm	*Bismarchia nobilis*	X		
Orange Geiger	*Cordia sebestena*	X		
Floss Silk Tree	*Chorisia speciosa*	X		
Gold Tabebuia	*Tabebuia chrysotricha*	X		
Purple Tabebuia	*Tabebuia impetiginosa*	X		
Montgomery palm	*Veitchia montgomeryana*	X		
Silver Thatch Palm	*Thrinax morrissi*	X		
Blue Atlas Cedar	*Cedrus atlantica* 'Glauca'	X		
Royal poinciana	*Delonix regia*	X		
Yellow Elder	*Tecoma stans*	X		
White Bird of Paradise	*Strelitzia reginae*	X		
Jaboticaba Tree	*Myrciaria cauliflora*	X		
Lignum Vitae	*Guaiacum sanctum*	X		
Bottlebrush	*Callistemon spp.*	X		
Chinese Fan Palm	*Livistona chinensis*	X		
Macarthur Palm	*Ptychosperma macarthurii*	X		
Native Shrubs				
Small Leaf Clusia	*Clusia guttifera*	X		
Blue Porterweed	*Statytarpheta urticifolia*	X		

Table 1: LCPA Landscape List (April 2016 Update)

Common Name	*Scientific Name*	Compatible		Incompatible
		Group 1	Group 2	
Bahama Cassia	*Cassia bahamensis*	X		
Pitch Apple	*Clusia rosea*	X		
Adam's Needle	*Yucca filamentosa*	X		
Coastal Sea Rocket	*Cakile lanceolata*	X		
Jamacia caper	*Capparis cynophallophora*	X		
Golden Dewdrop	*Duranta erecta*	X		
Coral Bean	*Erythrina herbacea*	X		
Wild Cotton	*Gossypium hirsutum*	X		
Wild Sage	*Lantana involucrate*	X		
Rusty Lyonia	*Lyonia ferruginea*	X		
Gallberry/Inkberry	*Ilex glabra*	X		
Maidenbush	*Heterosavia bahamaensis*	X		
Dwarf Yaupon Holly (male only)	*Ilex vomitoria*		X	
Firebush	*Hamelia patens*		X	
Yellow Necklacepod	*Sophora tomentosa var. truncata*		X	
Green Saw Palmetto	*Serenoa repens*		X	
American Beautyberry	*Callicarpa americana*			X
Cocoplum	*Chrysobalanus icaco*			X
Spanish Stopper	*Eugenia foetida*			X
Florida Privet	*Forestiera segregata*			X
Simpson Stopper	*Myrcianthes fragrans*			X
Myrsine	*Myrsine cubana*			X
Wild Coffee	*Psychotria nervosa*			X
Shiny Blueberry	*Vaccinium myrsinites*			X
Wild Lime	*Zanthoxylum fagara*			X
Walter's Viburnum	*Viburnum obovatum*			X
Non-Native Shrubs				
Golden Thryallis	*Galphimia gracillis*	X		
Ixora "Nora Grant"	*Ixora "Nora Grant"*	X		
Jatropha	*Jatropha integerrima*	X		

Table 1: LCPA Landscape List (April 2016 Update)

Common Name	*Scientific Name*	Compatible		Incompatible
		Group 1	Group 2	
Dwarf Poinciana	*Caesalpinia pulcherrima*	X		
Green Pitosporum	*Pittosporum tobira 'Wheeleri'*	X		
Blue Plumbago	*Plumbago auriculata*	X		
Yesterday-Today-Tomorrow	*Brunfelsia grandiflora*	X		
Native Grasses & Groundcover				
Sword Fern	*Nephrolepis exaltata*	X		
Leather fern	*Acrostichum danaeifolium*	X		
Sunshine mimosa, powderpuff	*Mimosa strigillosa*	X		
Coontie	*Zamia pumila*	X		
Chalky Bluestem	*Andropogon virginicus var. glaucus*	X		
Wiregrass	*Aristida beyrichiana*	X		
Muhlygrass	*Muhlenbergia capillaris*	X		
Grassleaf Golden Aster	*Pityopsis graminifolia*	X		
Dwarf Blue Porterweed	*Statytarpheta jamaicensis*	X		
Narrowleaf Blue-Eyed Grass	*Sisyrinchium angustifolium*	X		
Fakahatchee Grass	*Tripsacum dactyloides*		X	
Sand Cordgrass	*Spartina bakeri*		X	
Golden Creeper	*Ernodea littoralis*			X
Purple Love Grass	*Eragrostis spectabilis*			X
Gopher Apple	*Licania michauxii*			X
Non-Native Grasses & Groundcover				
Orange Bromeliad	*Aechmea blanchetiana*	X		
Imperial Bromeliad	*Aechmea imperialis*	X		
Dwarf Bougainvillea	*Bougainvillea sp.*	X		
Crinum Lily	*Crinum asiaticum*	X		
Purple Lantana	*Lantana montevidensis*	X		
Yellow Lantana	*Lantana camara*	X		
Variegated Ginger	*Alpinia zerumbet "Variegata"*	X		
Liriope “Emerald Goddess”	*Liriope muscari*	X		

Table 1: LCPA Landscape List (April 2016 Update)

Common Name	*Scientific Name*	Compatible		Incompatible
		Group 1	Group 2	
Crown of Thorns	*Euphorbia milii*	X		
African Iris	*Dietes spp*	X		
Bulbine	*Bulbine frutescens*	X		
Lily of the Nile	*Agapanthus orientalis*	X		
Society Garlic	*Tulbaghia violacea*	X		
Blueberry Flax Lily	*Dianella tasmanicata 'Variegata'*	X		
Yellow Alder	*Turnera ulmifolia*	X		
Gulf Croton	Croton punctatus	X		
Ligustrum	*Ligustrum japonicum*			X
Fountain grass	*Pennisetum setaceum*			X
Indian hawthorn	*Rhaphiolepsis indica*			X
Parson's juniper	*Juniperus squamata expansa*			X
Perennial Peanut	*Arachis glabrata*			X
Native Wildflowers				
Butterfly Weed	*Asclepias tuberosa*	X		
Leavenworth's Tickseed	*Coreopsis leavenworthii*	X		
Button Snakeroot	*Eryngium yuccifolium*	X		
Blanket Flower	*Gaillardia pulchella*	X		
Florida Pennyroyal	*Piloblephis rigida*	X		
Wild Petunia	*Ruellia caroliniensis*	X		
Tropical Sage	*Salvia coccinea*	X		
Adam's Needle	*Yucca filamentosa*	X		
Beach Sunflower	*Helianthus debilis*		X	
Native Wetland Plants				
Lemon Bacopa	*Bacopa caroliniana*	X		
Water Hyssop	*Bacopa monnieri*	X		
String Lily	*Crinum americanum*	X		
Knotted Spikerush	*Eleocharis interstincta*	X		

Table 1: LCPA Landscape List (April 2016 Update)

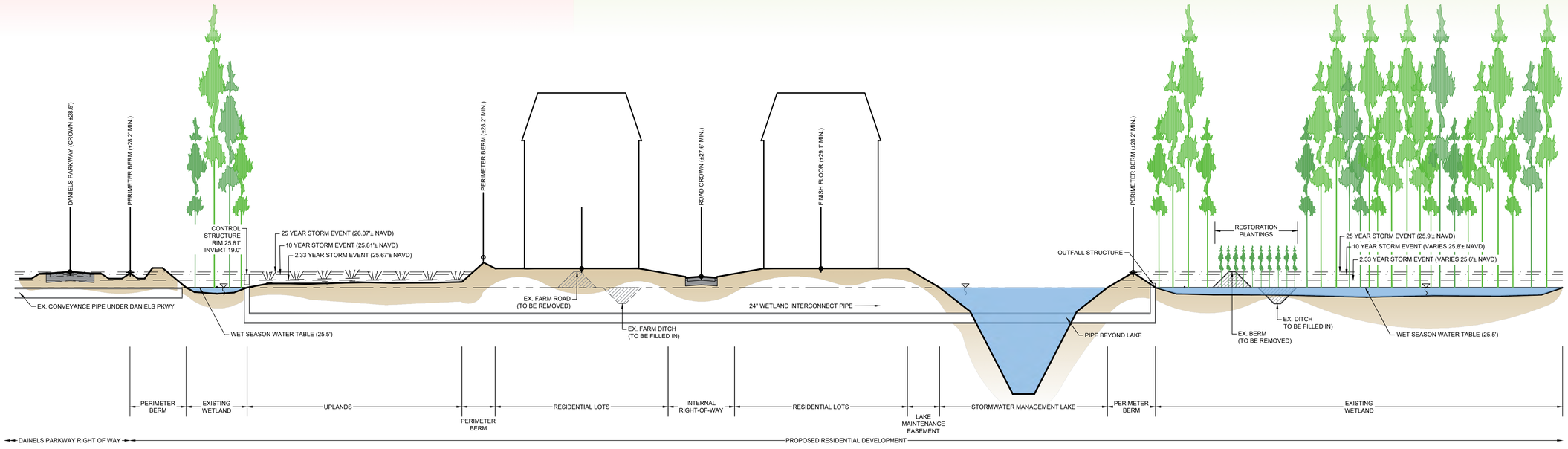
Common Name	*Scientific Name*	Compatible		Incompatible
		Group 1	Group 2	
Perfumed Spiderlily	*Hymenocallis latifolia*	X		
Cinnamon Fern	*Osmunda cinnamomea*	X		
Alligator Flag	*Thalia geniculata*	X		
Black Needle Rush	*Juncus roemerianus*			X
Pickerelweed	*Pontederi cordata*			X
Arrowhead, Duck Potato	*Sagittaria spp.*			X

APPENDIX G

CROSS-SECTION OF PROPOSED FLOW PATH

SIX MILE CYPRESS DRAINAGE BASIN

ESTERO RIVER DRAINAGE BASIN



PROJECT:

DANIELS PARKWAY SOUTH

LOCATION:

13400 DANIELS PKWY.
FORT MYERS, FL. 33913

CLIENT:

[redacted]

CONSULTANT:

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REVISIONS	DATE

PROJECT MANAGER:	RMS
DRAWING BY:	MGE
JURISDICTION:	LEE COUNTY
DATE:	8/19/2022

SHEET TITLE:

WETLAND CONNECTION EXHIBIT

SHEET NUMBER: 1 0F 1

40 0 20 40
SCALE 1"=40'

JOB/FILE NUMBER: 21008-03

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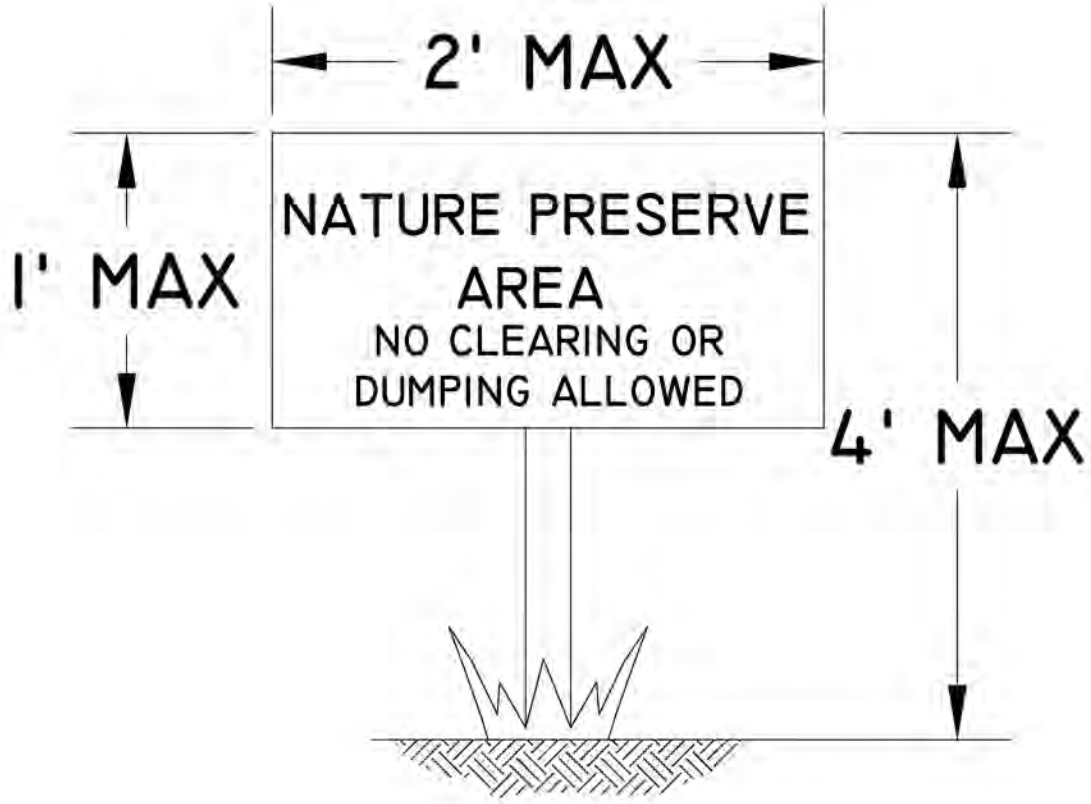
APPENDIX H

TYPICAL PRESERVE SIGNAGE



TYPICAL
PRESERVE SIGNAGE
N.T.S.

APPENDIX H. TYPICAL PRESERVE SIGNAGE
DANIELS PARKWAY SOUTH

DRAWN BY	DATE
P.F.	11/10/21
REVIEWED BY	DATE
C.R.	11/10/21
REVISED	DATE

PASSARELLA & ASSOCIATES INC
Consulting Ecologists

J:\2019\19LL3192\2022\LEE CO ZONING RESPONSES\APPENDIX H TYPICAL PRESERVE SIGNAGE.DWG TAB: 8X11-M AUG 12, 2022 - 12:28PM PLOTTED BY: THOME

EXHIBIT D

OF ENVIRONMENTAL REPORTS
EXHIBITS – M12 & T7

PROTECTED SPECIES MANAGEMENT & HUMAN WILDLIFE COEXISTENCE

DANIELS PARKWAY SOUTH
PROTECTED SPECIES MANAGEMENT
AND HUMAN-WILDLIFE COEXISTENCE PLAN

Revised September 2022

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Project No. 19LLL3192

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1.0 INTRODUCTION

This report documents the Protected Species Management and Human-Wildlife Coexistence Plan for Daniels Parkway South (Project). The management plan contained in this report pertains to the Eastern indigo snake (*Drymarchon corais couperi*), gopher tortoise (*Gopherus polyphemus*), American alligator (*Alligator mississippiensis*), crested caracara (*Caracara cheriway*), listed wading birds, Big Cypress fox squirrel (*Sciurus niger avicennia*), Florida black bear (*Ursus americanus floridanus*), and Florida panther (*Puma concolor coryi*).

The Project totals 1,233.08± acres and is located in Sections 8, 9, 16, 17, and 21; Township 45 South; Range 26 East; Lee County (Appendix A). The site is bordered to the north by Daniels Parkway, to the east by single-family residential development and undeveloped land, to the west by a Florida Power & Light (FPL) transmission line and undeveloped land, and to the south by Lee County's Wild Turkey Strand Preserve.

The property consists of large, continuous portions of herbaceous and forested upland and wetland habitats. These habitats include hydric melaleuca, freshwater marsh, pine flatwoods, cypress, and hydric pine with varying degrees of exotic vegetation. Improved pasture comprises the remaining balance of the property. Historic aerials show the property was formerly used for agricultural operations. As part of the historic agricultural surface water management, an extensive network of ditches and berms have been constructed on the property which has led to the partitioning of wetland systems within the site. This includes a historic farm road that bisects the site and precludes hydrologic connectivity between wetland systems located in the northern and southern portions of the property. This road has been used by the South Florida Water Management District (SFWMD) to represent the dividing line between the Estero River and Six Mile Cypress sub-watersheds.

2.0 LISTED SPECIES SURVEYS

Passarella & Associates, Inc. (PAI) conducted a Lee County protected species survey (PSS) on the Project site for ten days between May 11 and June 24, 2021. The survey was conducted to meet Lee County Land Development Code (LDC) Chapter 10, Article III, Division 8 (Protection of Habitat) standards. Six Lee County protected species and their signs (e.g., scat, tracks, nests, etc.) were documented during the PSS and other fieldwork conducted by PAI. The protected wildlife species directly observed by PAI included gopher tortoise, crested caracara, Florida sandhill crane (*Grus canadensis pratensis*), wood stork (*Mycteria americana*), and Big Cypress fox squirrel. In addition, a crested caracara nest was previously documented in the northern portion of the Project, and Florida panther tracks were also documented on the property. No other listed species nests or nesting activity were observed on the Project during the PSS or other fieldwork.

No Lee County protected plant species were observed on the property during the protected species survey. However, the giant wild pine (*Tillandsia utriculata*), common wild pine (*Tillandsia fasciculata*), Northern needleleaf (*Tillandsia balbisiana*), butterfly orchid (*Encyclia tampensis*), and rigid orchid (*Epidendrum rigidum*) were documented on the site. Although not listed as Lee

County protected species, these species are listed by the Florida Department of Agriculture and Consumer Services.

Table 1 summarizes the listed wildlife species that have been documented during the PSS and other fieldwork on the Project site.

Table 1. Listed Wildlife Species Documented

Common Name	Scientific Name	Listing Status	
		FWCC	USFWS
Reptiles			
Gopher tortoise	*Gopherus polyphemus*	ST	*
Birds			
Crested caracara	*Caracara cheriway*	FT	T
Florida sandhill crane	*Grus canadensis pratensis*	ST	-
Wood stork	*Mycteria americana*	FE	E
Mammals			
Big Cypress fox squirrel	*Sciurus niger avicennia*	ST	-
Florida panther (tracks)	*Puma concolor coryi*	FE	E

FWCC – Florida Fish and Wildlife Conservation Commission
USFWS – U.S. Fish and Wildlife Service
E – Endangered
FE – Federally Endangered
FT – Federally Threatened
ST – State Threatened
T – Threatened

3.0 CONSERVATION AREAS

The proposed conservation areas total 679.10± acres. The conservation areas will be maintained in accordance with the Indigenous Preservation, Restoration, and Management Plan (IPRMP) provided under separate cover. The conservation areas will be managed to provide habitat for listed species.

The Project has been designed to minimize impacts to the listed species that have been identified on the property and other listed wildlife species that could potentially utilize the site. The site plan minimizes impacts to existing native vegetation habitats and concentrates development primarily within the existing agricultural lands.

The indigenous vegetation enhancement and restoration activities within the conservation areas include:

- Preservation and enhancement of 295.80± acres of indigenous wetlands and uplands (existing forested and herbaceous habitats with less than 75 percent exotics);

- Restoration of 359.60± acres of indigenous wetlands and uplands through the removal of exotic vegetation (existing forested and herbaceous habitats with greater than 75 percent exotics) and supplemental planting;
- Backfilling 6.9± acres of other surface waters and replanting with native wetland and upland vegetation; and
- Removal of 16.8± acres of berms and planting with native wetland and upland vegetation.

The preservation, enhancement, and restoration of indigenous vegetation and removal of agricultural berms will facilitate the interconnection of historic flow-ways and wetland communities within the Project site. This includes a hydrologic connection between the two historically severed basins (i.e., Six Mile Cypress Sub-Watershed and Estero River Sub-Watershed), similar to what existed prior to the intensive agricultural land uses.

Due to the proximity to Southwest Florida International Airport (SWFIA), the restoration activities will include like-for-like habitat restoration to minimize wildlife attractants. For example, a melaleuca forest will be replaced with native trees and an exotic-infested marsh will be replanted with herbaceous vegetation. Plantings within the SFWIA 10,000-foot Hazardous Wildlife Buffer (Buffer) will be consistent with Lee County Port Authority's (LCPA) Compatible Native Landscape List. The planting details are provided in the IPRMP provided under separate cover.

The conservation areas will be managed for the listed species observed during the PSS and for listed species that could potentially utilize the Project site. Target listed species include the Eastern indigo snake, gopher tortoise, American alligator, crested caracara, listed wading birds, Big Cypress fox squirrel, Florida black bear, and Florida panther. To minimize potential wildlife attractants, enhancement and restoration activities will adhere to the hazardous wildlife protection measures included in Section 7.0 of this plan.

The conservation areas will be placed in a conservation easement with inspection, enforcement, and approval rights granted to Lee County and the SFWMD. The total preserve area to be placed under a conservation easement is 679.10± acres.

4.0 WILDLIFE CROSSINGS

To maintain internal connectivity for wildlife and promote the restoration of historic flow-ways through the property, wildlife crossings will be installed where the proposed internal roads cross the conservation areas. An aerial depicting the proposed location of the wildlife crossings is provided as Appendix B. The wildlife crossings will generally be designed to accommodate the passage of small mammals, reptiles, and amphibians. However, engineering and construction plans at the time of the Lee County Development Order application may reflect larger crossings designed to facilitate movement through the Project site by larger wildlife. As currently proposed, the wildlife crossing will be a culvert pipe or similar structure with the invert at natural grade. A section of low-level chain link fencing (i.e., three to four feet tall), or other structures approved by the Department of Community Development (DCD), will be installed on either side of the invert

to direct wildlife through the crossings. If utilized, larger crossings may consist of a bridge, large box culvert, or similar structure.

5.0 PERIMETER BUFFER LAKES AND FENCING

The Project site design includes perimeter buffer lakes and fencing between the residential development and conservation areas. The goal of the buffer lakes and fencing is to effectively deter Florida panther prey species (i.e., white-tailed deer (*Odocoileus virginiana*) and hog (*Sus scrofa*)) from entering residential areas. Deterring prey species form entering the development area will minimize the incentive for Florida panther to enter the Project area and reduce the potential for human-wildlife interactions. The wildlife fence and buffer lakes will also serve to accommodate the movement of wildlife among the conservation areas as described in Section 4.0 above.

The wildlife fencing will consist of a six-foot chain link fence which has previously been approved by the Florida Fish and Wildlife Conservation Commission (FWCC) for projects in Southwest Florida. The locations of the proposed buffer lakes and fencing are depicted on Appendix B.

6.0. COMMERCIAL USES

The Daniels Parkway South Master Plan includes dedicated commercial use adjacent to Daniels Parkway and State Road 82. To minimize potential human-wildlife interaction, educational brochures provided in this plan will be provided to commercial tenants. Commercial development will be required to minimize wildlife attractants by securing all exterior food and water sources.

Commercial uses, including restaurants, must secure exterior trash containers with locking lids and periodically clean cans to reduce residual odors. Grease traps will be located underground. Bear-resistant dumpsters will be used in areas where communal garbage is collected. A list of companies obtained from the FWCC that provide bear-resistant garbage containers for commercial use is provided as Appendix C. In consultation with the local waste disposal company, bear-resistant dumpsters will be purchased from one of the listed companies or another company that is able to provide bear-resistant dumpsters which are compatible with local equipment. The bear-resistant dumpsters will be incorporated at the time Lee County's waste collection sub-contractor makes them available for use.

7.0 HAZARDOUS WILDLIFE PROTECTION MEASURES

Due to the proximity to SWFIA, reducing human-wildlife interactions within the SWFIA Buffer is of paramount importance to the Project's restoration plan. Per communications with LCPA Staff and guidance from the Federal Aviation Administration (FAA) Advisory Circular (AC) No. 150/5200-33C regarding hazardous wildlife attractants on or near airports, the Project has incorporated multiple minimization measures within the Buffer, as described below.

Lakes developed for the Project's stormwater management system will incorporate a hardened shoreline (e.g., rip-rap) and/or steep slopes to minimize wading bird attractants. These lakes will also be maintained in a manner that keeps them free of both emergent and submergent vegetation such as pickerelweed (*Pontederia cordata*) and red ludwigia (*Ludwigia repens*). As required by the Lee Plan, the Project must preserve, enhance, and restore indigenous habitats. However, to avoid inconsistency with the LCPA's wildlife hazard deterrence efforts, the Project will not create wetlands within the Buffer. Existing wetland and upland habitats will be managed such that they are restored, where applicable, in a "like-for-like" manner as described in Section 3.0 above. In addition, plantings installed within the Buffer will adhere to the LCPA Compatible Native Plant List. Furthermore, the hydrologic restoration proposed within the conservation areas will be focused on interconnecting wetland systems and is not anticipated to increase wetland hydroperiods within the site.

Prior to construction, the applicant will coordinate a wildlife monitoring program with the LCPA and DCD staff. The monitoring program will consist of periodic observations within the development footprint and preserve areas by a qualified biologist to help identify and reduce potential wildlife hazards during construction activities, dewatering, exotic vegetation removal, and other site preparation activities. In addition, the monitoring plan will include specific construction-related Best Management Practices (BMPs) similar to what has been implemented for projects at Southwest Florida International Airport. The BMPs that will be incorporated into the wildlife monitoring program include, but are not limited to:

1. Construction contractors must carefully control and continuously remove waste or loose material that might attract wildlife.
2. Construction personnel must be aware of and avoid construction activities that can create wildlife hazards on airports.
3. Trash and food scraps from construction personnel activity must be collected and properly disposed of.
4. Except for stormwater management lakes and areas specifically designated for dewatering, large pools of water that collect within the development area shall be eliminated at the earliest opportunity to minimize wildlife attractants.
5. All turf grass replacement shall be completed via sodding. Seeding shall not be utilized.
6. Construction contractor shall communicate with the project biologist at least five days in advance prior to making any changes to hydrology in the construction area. Initiation of hydrologic changes shall be timed to minimize the attractiveness for dusk and dawn scavengers.
7. Construction and fill activities that turn-up organic materials, vegetation, or soils that contain food (crustaceans, invertebrates, fish, or others) should be minimized to the extent possible. Construction areas shall minimize the time that turned-up material is left exposed to the extent practicable.
8. Construction contractor shall allow wildlife the opportunity to move out of harm's way.
9. Construction contractor or another designated observer shall immediately dispose of carcasses found on site. This may occur by burying them at a depth of 36-inches or by another acceptable means of disposal.

Wildlife monitoring will occur a minimum of once per week during dewatering and initial exotic vegetation removal activities. However, monitoring may occur more frequently if potential wildlife hazards are identified. If wildlife hazards are identified within the Project, the Project team will coordinate with LCPA staff to immediately correct the issue(s). This may also involve coordination with local, state, and federal permitting agencies.

7.1 Lee Plan Consistency

Lee Plan Policy 47.2.5 states that "Hazardous wildlife attractants within 10,000 feet of a Port Authority airport's Air Operation Area (AOA) will be avoided by minimizing and correcting any wildlife hazards arising from wetlands or water bodies in accordance with FAA AC 150/5200-33B, or as otherwise amended. Site improvements on or near the Port Authority's airports must be designed to minimize attractiveness to wildlife of natural areas and man-made features such as detention/retention ponds, landscaping, and wetlands, which can provide wildlife with ideal locations for feeding, loafing, reproduction, and escape." Thus, Policy 47.2.5 is focused on compliance with the FAA AC on hazardous wildlife attractants on or near airports. The following demonstrates how the Project complies with the specific sections of the current FAA AC (150/5200-33C) with respect to minimizing wildlife attractants within the Buffer:

<u>FAA AC 150/5200-33C</u>

Section 2.3.2 – New Stormwater Management Facilities

This section of the AC states: "To facilitate the control of hazardous wildlife, the FAA recommends the use of steep-sided, rip-rap or concrete-lined, narrow, linear-shaped water detention basins." In addition, this section states that "All vegetation in or around detention basins that provide food or cover for hazardous wildlife should be eliminated." Furthermore, this section of the AC recommends designing surface water management features "so as not to create above-ground standing water". As outlined in Section 7.0 of this plan and in the IPRMP, the Project has incorporated the following design modifications to address these issues: 1) Stormwater management lakes located within the Buffer will incorporate hardened shorelines (e.g., rip-rap) and/or steep slopes (i.e., 4:1); 2) stormwater lakes will be maintained in a manner that keeps them free of both emergent and submergent vegetation; and 3) the open water flow path previously proposed to connect the Six Mile Cypress and Estero drainage basins within the Project has been redesigned to be a closed system (i.e., piped with no open standing water). Therefore, the proposed design modifications are consistent with Section 2.3.2 of the AC.

Section 2.4.1 – Existing Wetlands on or near Airport Property

This section of the AC states: "At public-use airports, the FAA recommends immediately correcting, in cooperation with local, state, and Federal regulatory agencies, any wildlife hazards arising from existing wetlands located on or near airports within five miles of the

aircraft operations area." As stated in Section 7.0, wildlife hazards identified within the Project will be coordinated with LCPA staff to immediately correct the issue(s). This may also involve coordination with local, state, and federal permitting agencies.

Section 2.4.3.2 – Off-Site Mitigation of Wetland Functions

This section of the AC states that "The FAA encourages landowners or communities supporting the restoration or enhancement of wetlands to do so only after critically analyzing how those activities would affect aviation safety. To do so, landowners or communities should contact the affected airport sponsor…" "Those parties should work cooperatively to develop restoration or enhancement plans that would not worsen existing wildlife hazards or create such hazards." "If parties develop a mutually acceptable restoration or enhancement plan, the landowner or community proposing the restoration or enhancement must monitor the restored or enhanced site. This monitoring must verify that efforts have not worsened or created hazardous wildlife attraction or activity. If such attraction or activity occurs, the landowner or community should work with airport sponsor…to reduce the hazard to aviation."

The applicant has had several meetings with LCPA staff to thoroughly vet the conceptual site plan and discuss opportunities to minimize wildlife attractants within the site. Based on these meetings, the applicant has incorporated multiple measures in this plan and in the IPRMP to minimize wildlife attractants per LCPA recommendations.

As demonstrated above, the Project is consistent with Sections 2.3.2, 2.4.1, and 2.4.3.2 of FAA AC 150/5200-33C; therefore, the Project is consistent with Lee Plan Policy 47.2.5.

8.0 EASTERN INDIGO SNAKE MANAGEMENT PLAN

The Eastern indigo snake has not been documented on-site; however, the following plan outlines the protection guidelines that will be implemented for the Eastern indigo snake during clearing operations for the Project. The plan provides educational material and guidelines for construction personnel to follow in the event they encounter an Eastern indigo snake. The plan has been prepared following the guidelines established by the U.S. Fish and Wildlife Service (USFWS). The Eastern indigo snake is a federally threatened species and is listed by the Endangered Species Act (ESA). It is unlawful for anyone to injure, harm, harass, or kill this species. Persons who knowingly violate provisions of the ESA that afford this species protection may be subject to a fine and/or imprisonment.

8.1 Biology

The Eastern indigo snake is a large, non-poisonous, glossy black snake with smooth iridescent scales. The chin and throat may be rusty or white-blotched. The juvenile snakes are similar to the adults, but may be lighter and exhibit a blotched dorsal pattern. Adults

can grow to lengths over eight feet. The Eastern indigo snake might be confused with the black racer (*Coluber constrictor*), but the black racer exhibits a white or brown throat and is smaller and lighter in build.

The Eastern indigo snake inhabits a range of habitat types including pine flatwoods and wet prairies. Individuals are wide ranging and may utilize an area of 250 acres or more. Eastern indigo snakes are known to shelter in gopher tortoise burrows. The Eastern indigo snake is diurnal (active only during the daytime) and will actively search for prey. Prey may include frogs, snakes, birds, and small mammals. Very little is known of the reproduction of this species in the wild. Breeding is believed to occur during the winter and early spring months with up to 11 large white eggs being deposited in late spring and early summer.

8.2 Management Plan

The USFWS' Standard Protection Measures for the Eastern Indigo Snake (2013) will be followed prior to and during construction activities. The Standard Protection Measures include the placement of posters at strategic locations on the construction site and along proposed access roads clearly visible to construction staff. The posters include a description and photograph of the Eastern indigo snake, its protection status, and instructions in the event that one is observed. In addition, informational brochures will be provided to all construction staff.

The Project will preserve, enhance, and restore 679.10± acres of existing vegetation on-site through the removal of exotic vegetation. The preserve areas will be maintained per the Project's IPRMP and will provide habitat for the Eastern indigo snake.

Problematic encounters between future residents and Eastern indigo snakes are not anticipated. Construction personnel, maintenance staff, and homeowners will be informed that the Eastern indigo snake is a protected species.

9.0 GOPHER TORTOISE MANAGEMENT PLAN

One gopher tortoise was observed on the Project site during the PSS. The following plan outlines the management activities that will be implemented for the gopher tortoise prior to the implementation of site clearing. The gopher tortoise is listed as threatened by the FWCC.

9.1 Biology

The gopher tortoise is a large, terrestrial turtle averaging 23 to 28 centimeters (9 to 11 inches) in shell length. Maximum length is around 38 centimeters (15 inches). The gopher tortoise is characterized by stumpy, elephantine hind feet and flattened, shovel-like forelimbs adapted for digging. The tan, brown, or gray carapace (top portion of the shell) is domed and oblong. The plastron (bottom portion of the shell) is somewhat concave in

males. Growth annuli may be conspicuous, particularly in juveniles. Hatchlings are approximately 4.4 centimeters (1.7 inches) in length and are yellowish orange in color.

The gopher tortoise occurs in the Southeastern Coastal Plain of the United States from Eastern Louisiana to Southeastern South Carolina and throughout Florida. In Florida, gopher tortoises occur in portions of all 67 counties. Gopher tortoises inhabit a wide variety of upland vegetative communities. Three environmental conditions are especially important for gopher tortoises: well-drained, sandy soil in which to burrow; adequate low-growing herbaceous ground cover for food; and relatively open, sunlit areas for nesting. The gopher tortoise is primarily associated with longleaf pine-scrub oak woodlands (sandhills), but it is also found in sand pine scrub, coastal strands, live oak hammocks, dry prairies, pine flatwoods, and mixed hardwood-pine communities. Disturbed habitats, such as roadsides, fencerows, clearings, and old fields, often support relatively high tortoise densities.

Gopher tortoises excavate burrows averaging 4.5 meters (14.8 feet) in length and 2 meters (6.6 feet) in depth and wide enough to allow them to turn around at any point. These burrows provide protection from temperature extremes, desiccation, and predators and serve as refuges for a variety of other animals. The placement and depth of burrows vary with the soil type, geographic location, and ground water levels. An individual tortoise may use more than one burrow and may excavate new burrows at any time during its life.

Gopher tortoise densities and movements are affected by the amount of herbaceous ground cover present. Generally, feeding activity is confined to within 50 meters (164 feet) of the burrow. Principal foods include grasses, legumes, and grass-like plants of the sedge and aster families. Legumes appear to be particularly important in the diet of juveniles. Fruits such as blackberries, pawpaws, gopher apples, and saw palmetto (*Serenoa repens*) berries are also consumed.

9.2 Management Plan

After construction is completed, the Project may not contain suitable gopher tortoise habitat within the conservation areas necessary for the long-term survivability of the species. No gopher tortoise burrows were located within the Project site during the PSS. However, if gopher tortoise burrows are located within the development footprint and it is not feasible to provide a minimum 25-foot buffer to the burrows, the applicant will obtain a permit from the FWCC to relocate gopher tortoise(s) to a protected recipient site prior to initiating construction activities. The recipient site will be approved by the FWCC and managed in perpetuity, consistent with FWCC's Gopher Tortoise Management Plan (2012).

10.0 AMERICAN ALLIGATOR MANAGEMENT PLAN

No American alligators were observed on-site during the PSS; however, potential nesting and foraging habitat (i.e., wetlands, and freshwater marshes) exists on-site. The following plan outlines the protection guidelines that will be implemented for the American alligator during clearing

operations for the Project. The American alligator is listed as threatened (due to similarity of appearance) by the USFWS and the FWCC.

10.1 Biology

The American alligator is a reptile with an elongated, armored, lizard-like body with a muscular flat tail. Adult alligators are dark with a pale underside while juveniles have bright yellow stripes and blotches. The average size for adults is 8.2 feet for females and 11.2 feet for males. The body weight can reach up to a half ton. American alligators inhabit all counties in the State of Florida and are most common in the major river drainage basins and large lakes in the central and southern portions of the state. They also can be found in marshes, swamps, ponds, drainage canals, phosphate-mine settling ponds, and ditches. Alligators are tolerant of poor water-quality and occasionally inhabit brackish marshes along the coast. A few even venture into saltwater. Individuals are wide ranging, and some males may utilize an area of two square miles or more. Individuals of both sexes are most likely to become more active and extend their ranges during the April to May courtship and breeding season. Prey may include frogs, snakes, birds, and small mammals, although alligators are opportunistic feeders and may prey on what is readily available. Larger individuals often prefer carrion to fresh meat.

10.2 Management Plan

The proposed Project will not impact the alligator. Alligators commonly move from water body to water body in response to factors such as season, disturbances, food supply, etc. The American alligator is listed as a federally threatened species due to similarity of appearance to the American crocodile (*Crocodylus acutus*). Only representatives of the FWCC are authorized to handle nuisance alligators. If an alligator is present within the limits of construction at the time of clearing, work within the immediate vicinity of the alligator will be halted and the animal will be allowed to move out and into safer territory. Once the alligator has moved, work can be restarted. If an active alligator nest is found, it will be temporarily protected with an adequate buffer zone until the hatchlings leave the nest.

Extensive, high quality American alligator habitat will be provided throughout the property through wetland preservation, enhancement, and restoration. This includes the removal of exotics in approximately 507.2± acres of existing wetlands on the property. These wetlands are predominantly hardwood/conifer, mixed, mixed wetland hardwoods, cypress forest, hydric pine forest, and freshwater marshes habitat types. Invasive exotic removal will result in wetland preserves that are more suitable to alligators and their prey species. The preserve areas will be maintained per the Project's IPRMP.

To avoid problematic encounters between future residents and American alligators, the FWCC's educational brochure entitled "A Guide to Living with Alligators" (Appendix D) will be provided to homeowners and maintenance staff (see Section 16.2).

11.0 CRESTED CARACARA MANAGEMENT PLAN

Two crested caracara were observed on the Project site during the PSS. In addition, a crested caracara nest was previously documented in the northern portion of the property. This nest was active during the 2020-2021 caracara nesting season. The following management plan outlines the protection guidelines that will be implemented for the crested caracara prior to clearing activities on the Project and addresses habitat enhancement and restoration on the site. The crested caracara is listed as threatened by the USFWS and the FWCC.

11.1 Biology

The crested caracara is a large, non-migratory raptor that feeds both on prey and carrion and is often found with flocks of turkey vultures (*Cathartes aura*) and black vultures (*Coragyps atratus*). The population of crested caracara found in peninsular Florida is genetically isolated from other populations of crested caracara subspecies found in the Southwestern United States and portions of Central and South America (USFWS 1999). While other subspecies of crested caracara are not listed as threatened or endangered, the crested caracara subspecies found in Florida was listed in July 1987 as threatened under the ESA.

Crested caracaras primarily use open habitats including native prairies; grasslands and pastures with their associated freshwater marshes; and small clumps of cabbage palms (*Sabal palmetto*), live oak (*Quercus* spp.) hammocks, and cypress (*Taxodium* spp.). Cabbage palms in open habitats are of high importance for nesting (Rodgers *et al.* 1996, Morrison 2001). The primary nesting season for the crested caracara is November through April. Egg laying typically occurs December through February. Clutch size is one to three eggs and incubation ranges from 28 to 32 days. Caracara young fledge at age seven to eight weeks, mostly in March and April (Wood 2001).

11.2 Management Plan

Since a caracara nest has been documented in the northern portion of the Project site, it is anticipated that removal of the nest tree(s) will be negotiated with the USFWS as part of the State 404 permitting process. Prior to clearing activities, a qualified ecologist will survey the construction impact area and adjacent habitats for the presence of crested caracara nests. The removal of any caracara nests located within the Project site will be coordinated with USFWS and DCD staff prior to initiation of construction activities.

The completed Project will preserve, enhance, and restore 679.10± acres of native habitat. The conservation areas will contain open freshwater marsh and pine habitat that will provide potential foraging opportunities caracaras.

Problematic encounters between future residents and crested caracaras are not anticipated. Should a caracara choose to nest adjacent to the community or close to approved access areas within the preserves, the nest will be left undisturbed. If unanticipated nest

disturbance is noted, then an appropriate no-entry buffer zone will be established around the nest with signage until the young fledge.

12.0 WADING BIRD AND FLORIDA SANDHILL CRANE MANAGEMENT PLAN

Although no nesting activity was observed, wood storks were observed on-site during the PSS. In addition, a Florida sandhill crane was also observed utilizing the Project site. It is anticipated that these birds and others, including limpkin (*Aramus guarauna*), little blue heron (*Egretta caerulea*), tri-colored heron (*Egretta tricolor*), and roseate spoonbill (*Platalea ajaja*) may utilize the wetlands and other native habitats on the property. The following management plan has been prepared for the purpose of addressing the management of potential wading bird and Florida sandhill crane habitat on the site.

12.1 Management Plan

Prior to clearing activities, a qualified ecologist will survey the construction impact area and adjacent habitats for the presence of Florida sandhill crane and state-listed wading bird nests. If there is evidence of Florida sandhill crane or listed wading bird nesting, the appropriate FWCC-recommended buffer will be provided around the nest site(s) to avoid disturbance by human activities. If Florida sandhill crane or listed wading bird nesting is discovered after construction has begun or if maintaining the buffers is not possible, the applicant will contact the FWCC staff to discuss potential permitting requirements.

The Project proposes preservation and enhancement of wading bird habitat. Foraging areas will be provided through the preservation, enhancement, and restoration of 507.2± acres of existing wetlands. To minimize potential wildlife attractants, enhancement and restoration activities will adhere to the hazardous wildlife protection measures included in Section 7.0 of this plan.

Problematic encounters between future residents and Florida sandhill cranes and wading birds are not anticipated. Construction personnel, maintenance staff, and homeowners will be informed that the wading birds are protected species. Additionally, informational pamphlets will be provided to homeowners and maintenance staff (Appendix E) (see Section 16.2).

13.0 BIG CYPRESS FOX SQUIRREL MANAGEMENT PLAN

During the PSS, the Big Cypress fox squirrel was observed utilizing forested and disturbed areas on-site. The following management plan has been prepared for the purpose of addressing the conservation of Big Cypress fox squirrel habitat on the Project site and outlines the protection guidelines that will be implemented for the Big Cypress fox squirrel prior to, during, and after construction of the Project. The Big Cypress fox squirrel is listed as threatened by the FWCC. There is no federal listing for the Big Cypress fox squirrel in Florida.

13.1 Biology

The Big Cypress fox squirrel lives and breeds in varied habitats in Southwest Florida including cypress swamps, pine flatwoods, tropical hardwood forests, live oak woods, mangrove forests, and suburban habitats, including golf courses, city parks, and residential areas in native vegetation (Humphrey 1992). Dense cypress/hardwood swamps are avoided. This may be due to the competition for food and habitat with the Eastern gray squirrel (*Sciurus carolinensis*). Little data is available on the preferred forage habitat of the Big Cypress fox squirrel. Big Cypress fox squirrels prefer to feed on the male and female cones of slash pine. Cabbage palm fruits, bromeliad (*Bromeliaceae* sp.) buds, and acorns are also important food items. A smaller percentage of the diet may consist of seasonal fruits, berries, and seeds (Humphrey 1992).

Big Cypress fox squirrels often form platform nests in pines and hardwoods, and moss and stick nests in cypress, tops of cabbage palms, and large clumps of bromeliads. Cabbage palms and bromeliads are especially important because they can provide immediate shelter, which allows the squirrel to travel over large areas without requiring a daily return to a permanent nesting facility (Humphrey 1992).

Big Cypress fox squirrels are solitary animals. Interaction between animals occurs primarily during mating season. Mating chases occur frequently throughout the months of May through August. During the non-mating season, interactions are infrequent and often occur around food sources. Young remain in the nest for approximately 90 days. Home ranges are 40 hectares (approximately 100 acres) for males and 20 hectares (approximately 50 acres) for females (Humphrey 1992).

13.2 Pre-Construction Surveys

A qualified ecologist will be on-site to supervise Big Cypress fox squirrel management and monitoring activities as detailed in this plan. Prior to clearing activities, the preserve areas will be staked in the field and clearly identified with silt fencing or an equivalent barrier. The fencing will be inspected by the preserve manager prior to clearing activities. The operation and storage of construction equipment and the stock-piling of fill and construction material will be prohibited within the fenced preserve areas. The fencing identifying the limits of the preserves will be maintained for the duration of construction activities.

Also, prior to commencement of clearing activities in the development area and removal of exotic trees within the preserve areas, a survey will be conducted by a qualified ecologist to identify potential Big Cypress fox squirrel nests. If potential nests are identified within the clearing limits or within the preserve areas, observations will be conducted to determine if the nests are being utilized by Big Cypress fox squirrels. The FWCC will be notified of nests determined to be utilized by Big Cypress fox squirrels. Active nests will be temporarily protected from clearing by a 125-foot radius undisturbed buffer until juvenile fox squirrels have vacated the nest(s), as confirmed by a qualified ecologist. After completion of nesting and observations documenting that juvenile fox squirrels have

vacated the nest(s), a written request to remove the nest tree(s) will be made to the FWCC. After receipt of the written authorization from the FWCC, the nest tree and buffer can then be cleared.

13.3 Management Plan

Enhancement and restoration of the preserve areas will be conducted as detailed in the IPRMP. The preserve areas will provide foraging and nesting habitats for Big Cypress fox squirrels.

Problematic encounters between future residents and Big Cypress fox squirrels are not anticipated. The typical nest location, high within the tree canopy, will ensure against disturbance to fox squirrel nests. Construction personnel, maintenance staff, and homeowners will be informed that the Big Cypress fox squirrel is a protected species.

14.0 FLORIDA BLACK BEAR MANAGEMENT PLAN

Though no Florida black bear or sign of Florida black bear was documented on the Project site during the PSS, it is anticipated that Florida black bears are within the general vicinity of the Project. The following habitat management plan has been prepared for the purpose of addressing the conservation of Florida black bear habitat on the Project site. The Florida black bear is not listed by the FWCC or the USFWS. However, the FWCC and the Lee County LDC have specific management activities for this species.

14.1 Biology

The Florida black bear is a subspecies of the American black bear (*Ursus americanus*). The Florida black bear is a solitary animal that inhabits heavily wooded terrain and is most often found in large tracts of swamp forest and undisturbed upland forest. Some of the most important habitat types for the Florida black bear include pine flatwoods, hardwood swamps, cypress swamps, cabbage palm forests, sand pine scrub, and mixed hardwood hammocks. Denning often occurs in remote swamps or thickets with dense vegetation. Adult females breed in alternating years during the months of June and July. In Florida, hibernation may be restricted to females producing cubs. Hibernation most often occurs during the winter months. The diet of Florida black bears is highly variable and includes both plants and animals including saw palmetto berries, honeybees (*Apis* sp.), ants (*Formicidae* sp.), armadillo (*Dasypus novemcinctus*), feral hog (*Sus scrofa*), and white-tailed deer (*Odocoileus virginianus*) (Humphrey 1992).

14.2 Management Plan

In order to deter the potential for interactions between humans and large mammals such as the Florida black bear, perimeter buffer lakes and fencing will be utilized between development and the conservation areas to deter large mammals from accessing the development areas.

The preserved, enhanced, and restored habitat within the conservation areas will provide habitat for the Florida black bear and associated prey species. Enhancement activities will provide higher quality habitat for the Florida black bear than what currently exists within the site.

To avoid problematic encounters between future residents and Florida black bears, the FWCC's educational brochure entitled "A Guide to Living in Bear Country" (Appendix F) will be provided to homeowners and maintenance staff (see Section 16.4).

15.0 FLORIDA PANTHER MANAGEMENT PLAN

No Florida panthers were observed on-site during the PSS; however, panther tracks were observed on-site. The property is located within both the USFWS' Primary and Secondary Zones for the Florida panther. In addition, FWCC Florida panther telemetry has been recorded on the Project site and adjacent properties. The following habitat management plan has been prepared for the purpose of addressing the conservation of Florida panther habitat on the Project site. The Florida panther is listed as endangered by the FWCC and the USFWS.

15.1 Biology

The Florida panther is a large, long-tailed cat with a great deal of color variation: pale brown or rusty upper parts; dull white or buff-colored under parts; and dark brown or blackish tail tip, back of ears, and sides of the nose. Mature males have an average weight range between 100 to 150 pounds and measure nearly seven feet from nose to tip of the tail. Females are considerably smaller with a weight range of 50 to 100 pounds and measuring about six feet (USFWS 1987). Panthers subsist on a variety of mammalian prey dominated by white-tailed deer, feral hog, and in some areas raccoon (*Procyon lotor*) (Maehr 1988*a*). Existing data on Florida panther reproduction indicates that breeding occurs throughout the year with a peak in the winter/spring period, a gestation period of around 90 to 95 days, litter sizes of one to four kittens, and a breeding cycle of two years for females successfully raising young to dispersal (which occurs around 18 to 24 months) (Belden 1988, Maehr 1988*b*).

In terms of population size and occupied range, the Florida panther population is at least stable, and at best expanding, as evidenced by natality rates exceeding mortality rates and by recent dispersals north of the Caloosahatchee River (Land *et al.* 2000). According to Maehr *et al.* (1991), home ranges average 200 square miles for resident adult males, 75 square miles for adult females, 241 square miles for transient males, and 69 square miles for sub-adult females. Florida panthers inhabit large remote tracts of land with adequate prey and cover and occupy a variety of habitat types including hardwood hammocks, pine flatwoods, mixed hardwood swamps, and cypress swamps. Appropriate cover is an important component of habitats used, especially during hunting, denning, and day-bedding. Recent information based on global positioning system (GPS) telemetry data collected during nocturnal and diurnal periods indicate that forests are the habitats selected by panthers (Land *et al.* 2008).

15.2 Management Plan

In order to deter the potential for interactions between humans and large mammals such as the Florida panther, perimeter buffer lakes and fencing will be utilized between development and the conservation areas to deter large mammals from accessing the development areas.

The preserved, enhanced, and restored habitat within the conservation areas will provide habitat and a wildlife corridor for the Florida panther and associated prey species. Enhancement activities will provide higher quality habitat for the Florida panther than what currently exists within the site.

To avoid problematic encounters between future residents and Florida panthers, the educational brochure entitled "A Guide to Living with Florida Panthers" (Appendix G), prepared by the FWCC and the USFWS, will be provided to homeowners and maintenance staff (see Section 16.5).

16.0 HUMAN-WILDLIFE COEXISTENCE PLAN

The following Human-Wildlife Coexistence Plans will be incorporated into the declaration of covenants of the Project's Homeowners Association or Community Development District documents.

16.1 Eastern Indigo Snake

As previously noted, the USFWS' Standard Protection Measures for the Eastern Indigo Snake (2013) will be followed prior to and during construction activities. The USFWS's Standard Protection Measures, including the poster and brochure, can be found at http://www.fws.gov/verobeach/listedspeciesreptiles.html. A copy of the brochure is provided as Appendix H.

16.2 American Alligator

Signs will be posted on the subject property to instruct on-site workers and homeowners not to feed or harass the American alligator. The signs will indicate that the offense is punishable by law. The typical signage is provided as Appendix I. The FWCC's educational brochure entitled "A Guide to Living with Alligators" (Appendix D) will be provided to homeowners and maintenance staff. The brochure can be found at http://myfwc.com/media/152524/Alligator_Brochure.pdf. Construction personnel and homeowners will be instructed that in the event there is a problem with a persistent nuisance alligator, they should contact the FWCC's Nuisance Alligator Hotline at 866-FWC-GATOR (866-392-4286). The FWCC is the only agency empowered to handle nuisance alligators.

16.3 Wading Bird

A wading bird informational brochure entitled "Wading Bird Informational Pamphlet" (Appendix E) will be provided to homeowners and maintenance staff. The brochure provides wading bird information and methods to prevent human-wading bird interactions. In addition, the brochure informs residents of the need to avoid disturbance around a nest(s), should a wading bird nest(s) be identified on the property in the future.

16.4 Florida Black Bear

Residents will be educated about the presence of black bears in their community. FWCC's educational brochure entitled "A Guide to Living in Bear Country" (Appendix F) will be provided to homeowners and maintenance staff. This brochure can be found at http://myfwc.com/wildlifehabitats/managed/bear/brochures/.

Garbage and recyclables will be stored in bear-resistant containers with appropriate locking mechanisms, and bear-resistant dumpsters will be used in areas where communal garbage is collected. A list of companies obtained from the FWCC that provide bear-resistant garbage containers for commercial and residential use is provided as Appendix C. Bear resistant receptacles will be required for each residential unit. Please note that Lee County Ordinance No. 11-27 requires individual trash receptacles for residential units of 40 gallons or less in size. In consultation with the local waste disposal company, bear-resistant dumpsters will be purchased from one of the listed companies or another company that is able to provide bear-resistant dumpsters which are compatible with local equipment. They will be incorporated at the time Lee County's waste collection sub-contractor makes them available for use. Units that have curbside garbage service will be required to place garbage containers curbside no earlier than the morning of the days of garbage pickup, and garbage containers will be returned to their permitted location no later than the evening of the days of garbage pickup. For units with curbside garbage service, all garbage, trash refuse, or rubbish will be required to be placed in appropriate garbage containers and stored inside an enclosed area except for the days when there is curbside garbage pickup service. For units without curbside garbage service, all garbage, trash refuse, or rubbish will be placed in bear-resistant dumpsters with the lid closed and secured.

16.5 Florida Panther

Residents will be educated about the presence of Florida panthers in their community. The educational brochure entitled "A Guide to Living with Florida Panthers" (Appendix G), prepared by the FWCC and the USFWS, will be provided to homeowners and maintenance staff. This brochure provides safety tips and instructions for panther encounters. The brochure can be found on the FWCC website located at http://myfwc.com/conservation/you-conserve/wildlife/panthers/.

17.0 PRESERVE SIGNAGE AND COMMUNITY EDUCATION PLAN

Signs identifying the conservation areas as a "nature preserve area" will be installed along the boundary of the preserve. The signage will include language stating, "No dumping allowed" (Appendix I). The signs will be spaced a maximum of 300 feet apart, will be no closer than ten feet from residential property lines, and will be limited to a maximum height of four feet and a maximum size of two square feet.

Periodic seminars may be held to further educate the community about the conservation areas, wetland benefits, and coexistence with and protection of wildlife. Continued education will ensure that the community is well informed regarding the preserves and wildlife coexistence.

18.0 REFERENCES

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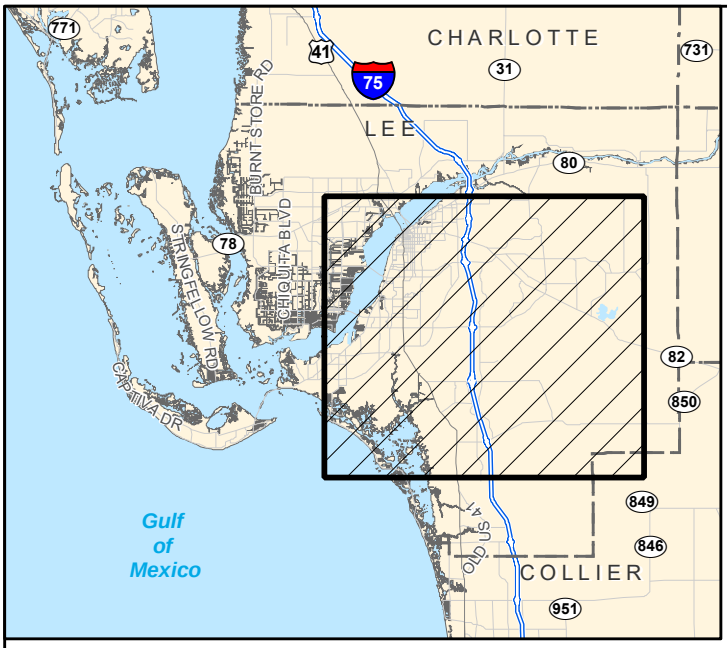
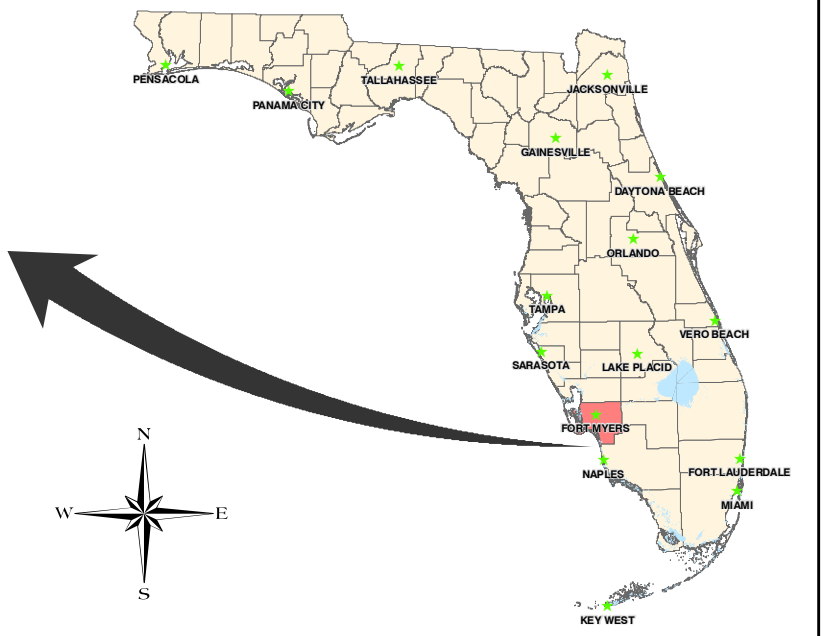
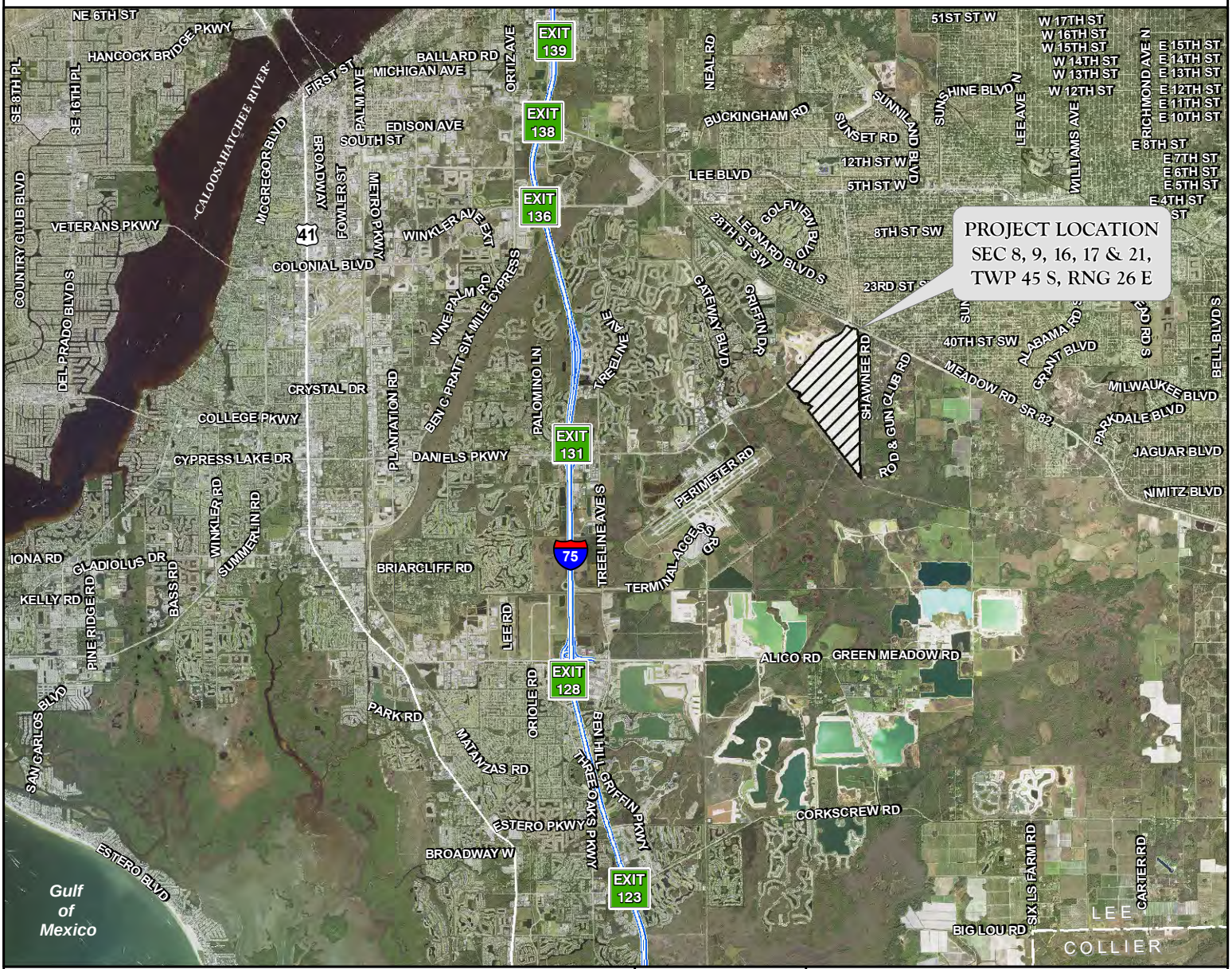
APPENDIX A

PROJECT LOCATION MAP







APPENDIX A. PROJECT LOCATION MAP
DANIELS PARKWAY SOUTH

DRAWN BY	DATE
P.F.	11/10/21
REVIEWED BY	DATE
C.R.	11/10/21
REVISED	DATE

PASSARELLA & ASSOCIATES INC
Consulting Ecologists

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APPENDIX B

AERIAL WITH CONSERVATION AREAS AND PROPOSED LOCATIONS OF WILDLIFE CROSSINGS AND FENCING

SCALE: 1" = 1,000'

P/L

DANIELS PKWY

SHAWNEE RD

LEGEND:

- CONSERVATION AREA
- BUFFER LAKE
- PROPOSED WILDLIFE FENCING
- WILDLIFE CROSSING
- SOUTHWEST FLORIDA INTERNATIONAL AIRPORT 10,000' HAZARDOUS WILDLIFE BUFFER

NOTES:

AERIAL PHOTOGRAPHS WERE ACQUIRED THROUGH THE LEE COUNTY PROPERTY APPRAISER'S OFFICE WITH A FLIGHT DATE OF JANUARY - MARCH 2021.

PROPERTY BOUNDARY AND PRESERVE AREA PER MORRIS DEPEW DRAWING No. PRESERVE BOUNDARIES & PROPERTY BOUNDARY.DWG DATED MAY 2, 2022.

SITE PLAN PER MORRIS DEPEW DRAWING No. 21008-01 PARCELS.DWG DATED MAY 3, 2022.

SWFIA HAZARDOUS BUFFER PER MORRIS DEPEW DRAWING No. 21008-01 X OPEN SPACE.DWG DATED APRIL 25, 2022.

DRAWN BY	DATE
T.S., P.F.	12/14/21
REVIEWED BY	DATE
J.T.	12/14/21
REVISED	DATE
T.S.	5/3/22

13620 Metropolis Avenue
Suite 200
Ft. Myers, FL 33912
Phone (239) 274-0067
Fax (239) 274-0069

Passarella & Associates, Inc. Consulting Ecologists

DANIELS PARKWAY SOUTH
AERIAL WITH CONSERVATION AREAS AND PROPOSED LOCATIONS OF WILDLIFE CROSSINGS AND FENCING

DRAWING No. 19lll3192

SHEET No. APPENDIX B

J:\2019\19LL3\9212022\LEE Co ZONING RESPONSES\APPENDIX B AERIAL WITH CA PROPOSED WILDLIFE CROSSING AND FENCING 050322.DWG TAB: IIXI7-C MAY 05, 2022 - II:5IAM PLOTTED BY: PAULF

APPENDIX C

BEAR RESISTANT CONTAINER LIST

BEAR RESISTANT TRASH & RECREATIONAL STORAGE CONTAINERS

Residential Poly Carts and Cans



BearProofInc
234 S. Golden Dr.
Silt, CO 81652
Ph: (970) 309-2460
Fax: (970) 876-0420
E-mail: Info@BearProofInc.com
Website: http://www.bearproofinc.com/

Metal Roll Away Container
95 gallon

* Metal food and trash lockers also available



Bear Proofing-R-US
(no address available)
Ph: (865) 430-8902
E-mail: akruk@charter.net
Website: http://www.bearproofing-r-us.com/

Residential Street-side Trash Can
96 gallon
*dumpster lids, loaders, and bird feeders also available



Bear Proof Systems, LLC
7855 E. Lark Dr.
Parker, CO 80138
Phone: (303) 840-3390/1-800-944-7973
Fax: (303) 840-3460
E-mail: solidws@comcast.net
Website: http://www.bearproofsystems.com/

Curbside Carts
64 gallon
94 gallon
*Also make various metal containers



BearSaver – USA Sales

Steve Thompson

Ph: 1-800-851-3887
Fax: 909-605-7780
E-mail: sales@bearsaver.com
Website: http://www.bearsaver.com/

Bear Resistant Residential Poly Carts

Model PC-95
95 gallon (min order 24)

Model PC-65
65 gallon (min order 20)

Model PC-32
32 gallon (min order 20)

*Commercial Yard Dumpsters also available

BEAR RESISTANT TRASH & RECREATIONAL STORAGE CONTAINERS



Cascade Industries

The Learning Community
3400 Innovation Court SE
Grand Rapids, MI 49512-2085
Ph. (616)-975-4800

Fax: (616) 254-4174
E-mail: info@cascadeng.com
http://www.cascadeng.com/markets/waste/index.htm

"Cascade Cart"
35 gallons
64 gallons
96 gallons
Bear Resistant Cascade Cart
96 gallons



DAWG, Inc.

25 Lassy Court
Terryville, CT 06786
Phone: 1-800-YEL-DAWG (935-3294)
Fax: 1-800-LIL-PAWS (545-7297)
website: www.dawginc.com

Bearicuda Bin
"Critter Can" Model
Mobile Screw Top Model
Mobile Bearicuda Bin
BEARier Bins

Residential Trash Storage Containers



BearGuard Co. Ltd.

P.O. Box 89
Tahoe City, CA. 96145-0089
Phone/Fax (530) 581-2211
E-mail: **sales@BearGuardInfo.com**
Website: http://www.bearguardinfo.com/index.html

Green and Brown Containers
Various sizes



Carson Valley Welding

1046 Mallory Way
Carson City NV. 89701
PH: (775) 884-9353
Cell: (530) 318-1136
Fax: (775) 884-9354
Email:Don@nobearcan.com
Website: http://www.nobearcan.com/index.html

"No Bear Can"
Model B-5030 $999.00
Model B-5036 $1149.00

See also the following companies:

Bear Proof Inc.
Bear Proofing-R-US
Bear Proof Systems

Info. above

BEAR RESISTANT TRASH & RECREATIONAL STORAGE CONTAINERS

Animal Resistant Dumpsters



Capital Industries, Inc.
5801 Third Avenue South
Seattle WA 98108
Phone: (206) 762-8585/1-800-967-8585
FAX: (206) 762-5455
E-mail: sales@capitalind.com
Website: http://www.capitalind.com/main/

Bear Resistant
Metal Containers & Lids
Various designs



Haul-All Equipment Systems
(no address available)
Phone: 1-888-428-5255
Fax: (403) 328-9956
E-mail: solutions@haulall.com
Website: http://www.haulall.com/index.htm

Hyd-A-Way Model
Several options available
for garbage disposal
and storage

See also the following companies:
Bear Proof Inc.
Bear Proofing-R-US
Bear Proof Systems
BearSaver-USA Sales

Info. above

Recreational Storage Containers
Panniers (for cooler storage)



Bear-Aware
(no address available)
Phone: 800-568-8990 / 818-504-3518
Contact Jeff Berns
E-mail: jmberns@bear-aware.comor
Website: http://www.bear-aware.com/

Dry & Ice Panniers
24” Medium Dry
28” Large Dry
28” Slim Dry
24” Medium Ice
28” Large Ice



Outfitters Supply
7373 US Highway 2E
Columbia Falls, MT 59912
Phone: 888-467-2256/ 406-892-3650
Fax: 406-892-4234
E-mail: gopackn@outfitterssupply.com
Website: http://www.outfitterssupply.com/

Pack Panniers



Pack Saddle Shop
3071 West Twin Rd
Moscow Idaho 83843
Phone: 208-882-1791
E-mail: support@packsaddleshop.com
Website:
http://www.packsaddleshop.com/Bearpan.html

Aluminum Panniers
Medium
Large
Sold with and without
hardware

BEAR RESISTANT TRASH & RECREATIONAL STORAGE CONTAINERS

Food Storage Lockers



See the following companies:
BearProofInc
BearSaver – USA Sales
Haul-All Equipment Systems (product shown)

Info. above

Ask your local waste service provider if they offer wildlife resistant canisters. For example, Waste Pro Inc. and Waste Management Inc. have offered wildlife resistant containers for both residential and commercial locations. In some areas the Waste Service Provider has retrofitted the existing dumpster to a wildlife resistant design.

All images/photos are copyright of their respective company/website.

APPENDIX D

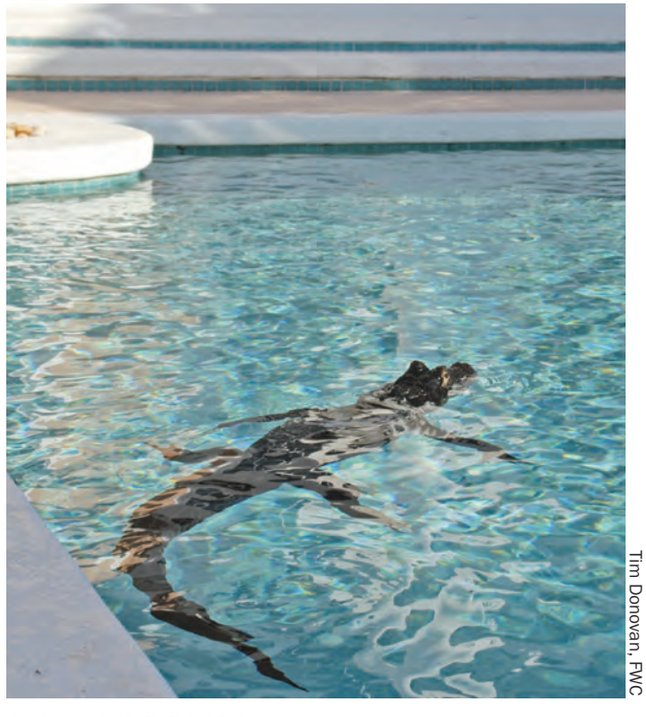
AMERICAN ALLIGATOR INFORMATIONAL PAMPHLET

- Never feed alligators – it's dangerous and illegal. When fed, alligators can overcome their natural wariness and learn to associate people with food. When this happens, some of these alligators have to be removed and killed.

- Dispose of fish scraps in garbage cans at boat ramps and fish camps. Do not throw them into the water. Although you are not intentionally feeding alligators when you do this, the result can be the same.

- Seek immediate medical attention if you are bitten by an alligator. Alligator bites can result in serious infections.

- Observe and photograph alligators only from a distance. Remember, they're an important part of Florida's natural history as well as an integral component of aquatic ecosystems.



Tim Donovan, FWC

Call 866-FWC-GATOR (392-4286) to report nuisance alligators.



Janice Plain

To report nuisance alligators call **866-FWC-GATOR (866-392-4286)**.

MyFWC.com/Alligator

REWARD
Report Fish & Wildlife Violations
1-888-404-3922

Printed on recycled content.

02/2012

A Guide to Living with Alligators



Jamie Feddersen

Florida Fish and Wildlife Conservation Commission
MyFWC.com



Lizabeth West, FWC

Do not swim outside of posted swimming areas or in waters that may be inhabited by alligators.

Living with Alligators

In Florida, the growing number of people living and recreating near water has led to a steady rise in the number of alligator-related complaints. The majority of these complaints relate to alligators being where they simply aren't wanted. Because of these complaints, the Florida Fish and Wildlife Conservation Commission's Statewide Nuisance Alligator Program permits the killing of approximately 7,000 nuisance alligators each year. Using this approach, and through increased public awareness, the rate of alligator bites on people has remained constant despite the increased potential for alligator-human interactions as Florida's human population has grown.

Alligators are an important part of Florida's landscape and play a valuable role in the ecology of our state's wetlands. Alligators are predators and help keep other aquatic animal populations in balance. A better understanding of the facts and information presented in this brochure will help ensure that people and alligators can continue to coexist.

Visit MyFWC.com/Gators for more information about alligators and the latest nuisance alligator program statistics.



Tim Donovan, FWC

Alligators and People

Alligators are a fundamental part of Florida's wetlands, swamps, rivers and lakes, and they are found in all 67 counties. Florida continues to experience human population growth. Many new residents seek waterfront homes, resulting in increased interactions between people and alligators.

Although most Floridians understand that we have alligators living in our state, the potential for conflict exists. Because of their predatory nature, alligators may target pets and livestock as prey. Unfortunately, people also are occasionally bitten. Since 1948, Florida has averaged about five unprovoked bites per year. During that period, a little more than 300 unprovoked bites to people have been documented in Florida, with 22 resulting in deaths.

In the past 10 years, the Florida Fish and Wildlife Conservation Commission has received an average of nearly 16,000 alligator-related complaints per year. Most of these complaints deal with alligators occurring in places such as backyard ponds, canals, ditches and streams, but other conflicts occur when alligators wander into garages, swimming pools and golf course ponds. Sometimes, alligators come out of the water to bask in the sun or move between wetlands. In many cases, if left alone, these alligators will eventually move on to areas away from people.

Safety Tips

- Generally, alligators less than four feet in length are not large enough to be dangerous unless handled. However, if you encounter any alligator that you believe poses a threat to people, pets or property, call the Nuisance Alligator Hotline at 866-FWC-GATOR (866-392-4286). Please be aware, nuisance alligators are killed, not relocated.

- Be aware of the possibility of alligators when you are in or near fresh or brackish water. Bites may occur when people do not pay close enough attention to their surroundings when working or recreating near water.

- Do not swim outside of posted swimming areas or in waters that might be inhabited by large alligators.

- Alligators are most active between dusk and dawn. Therefore, avoid swimming at night.

- Dogs and cats are similar in size to the natural prey of alligators. Don't allow pets to swim, exercise or drink in or near waters that may contain alligators. Dogs often attract an alligator's interest, so do not swim with your dog.

- Leave alligators alone. State law prohibits killing, harassing or possessing alligators. Handling even small alligators can result in injury.



Tim Donovan, FWC

A young alligator wanders onto a porch in a residential neighborhood.

APPENDIX E

WADING BIRD INFORMATIONAL PAMPHLET

Action to be taken if you observe someone harassing a wading bird:

Promptly notify the FWCC 1-888-404-FWCC

Tips for living with wading birds

- Do not feed wading birds.
- Keep out of vegetated areas surrounding lakes and marshes.
- Keep pets leashed to avoid coming into contact with wading birds.
- Properly dispose of fishing line to avoid bird entanglement.

Prepared By:

Passarella & Associates, Inc. Consulting Ecologists

13620 Metropolis Avenue, Suite 200
Fort Myers, Florida 33912
(239) 274-0067

WADING BIRD INFORMATIONAL PAMPHLET



Daniels Parkway South

Description:

Wading birds are a diverse group of birds which utilize shallow marsh areas as foraging and breeding habitats. They are typically characterized as having long necks, legs and bills, which allows them to feed in shallow water. Wading birds can be found in Florida year round. Examples of wading birds include: great egrets, great blue herons, white ibis', little blue herons and snowy egrets.

Habitat:

Wading birds inhabit all counties in the state of Florida and are most common in the shallow marsh or wetland areas throughout the state. They can also be found in both coastal and inland areas, salt marshes, swamps, ponds, drainage canals, and ditches. Wading birds breed and nest in colonies which consist of various species of other wading birds. Breeding generally occurs just prior to or during the wet season. Stick nests are built in trees or bushes near wetland areas and above the water line.

Wading birds feed in shallow water areas where prey is most concentrated. They feed by spearing prey with their bills or by straining small species out of the water and sediment. Prey may include small fish, invertebrates or other aquatic organisms. Wading birds have also been known to consume snakes, frogs and small rodents.

Protection:

Most wading birds are listed as species of special concern by the State of Florida. Some species such as wood storks are listed as endangered by both the State of Florida and the U.S. Fish and Wildlife Service. It is unlawful for anyone to disturb or take nests or eggs, feed, injure, harm, harass, or kill any wading birds species. Persons who knowingly violate the law may be subject to fines and/or jail time.

If wading birds form a nesting colony on the property in the future, avoid activities within 330 feet of the colony during the nesting season (March 1 to August 1).

APPENDIX F

FLORIDA BLACK BEAR INFORMATIONAL PAMPHLET



Eglin AFB

Secure your garbage

- Store garbage in a secure area, such as a sturdy shed or garage, until the morning of pickup, or
- Build a small shed to store trash cans. Be sure there are no gaps along the shed's edges and use screws. If the shed is curbside, call your waste service provider to ensure it will still service your trash cans, or
- Modify your regular trash can to make it bear-resistant by adding hardware. To be successful, the lid must not be flexible and the can must not collapse when you stand on its side. Call your waste service provider to ensure it will service a modified trash can, or
- Request a commercially manufactured bear-resistant trash can from your waste service provider. If they do not provide these cans, you can special order one from a hardware store, but ensure your waste service provider will service it.



Funds from Florida's "Conserve Wildlife" license plate help conserve bears and reduce human-bear conflicts. Buy one today through your local tax collector's office or online at BuyAPlate.com.



Milt Fox

How FWC responds to conflicts

The FWC addresses human-bear conflicts in a variety of ways, including providing technical assistance over the phone, conducting an in-person visit with the resident, using deterrents (such as an electric fence), attempting to scare the bear away, or, in rare cases, attempting to trap the bear.

While most conflicts can be avoided by securing attractants, biologists assess each situation on a case-by-case basis and use FWC policies and guidelines to help decide on the most appropriate response.

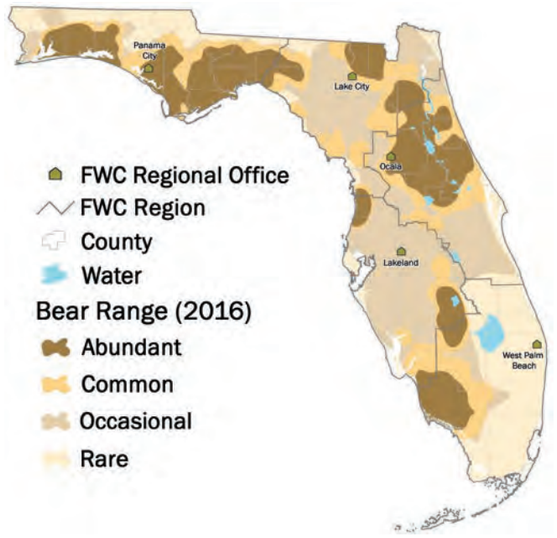
The earlier the FWC is notified, the more response options are available.

The longer a conflict situation continues, the more likely the bear will develop behaviors that present a risk to public safety, such as entering a dwelling, harming a leashed dog or injuring a person.

Once this happens, it is too late to try to change the bear's behavior and it must be humanely killed.

Warning! It is illegal to take, possess, injure, shoot, collect or sell black bears under Florida state law unless authorized by an FWC-issued permit. If you are found guilty, you could face fines and/or jail time.

Where bears live in Florida



If you are experiencing bear conflicts, please contact the nearest FWC regional office. The sooner the FWC knows about bear activity, the more options are available to prevent a bear from becoming a public safety risk.

North Central	**Lake City**	**(386) 758-0525**
Northeast	**Ocala**	**(352) 732-1225**
Northwest	**Panama City**	**(850) 265-3676**
South	**West Palm Beach**	**(561) 625-5122**
Southwest	**Lakeland**	**(863) 648-3200**

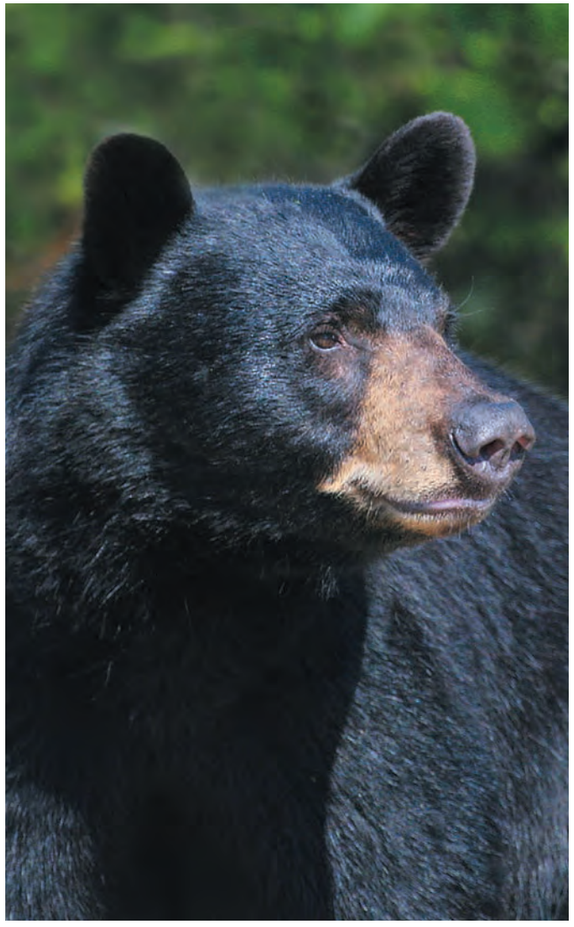
In an emergency or if you suspect illegal activity, call the Wildlife Alert Hotline at 888-404-FWCC (3922).

Follow us on:

Florida Fish and Wildlife Conservation Commission
MyFWC.com/Bear

printed on recycled paper 8/2018

A guide to living in **bear country**



Ashley Hockenberry

Florida Fish and Wildlife Conservation Commission
MyFWC.com/Bear

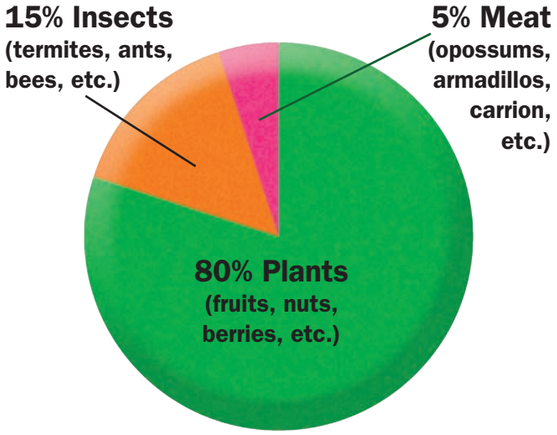


Ashley Hockenberry

The bear facts

- Black bears are the only species of bear in Florida.
- Biologists estimate approximately 4,000 black bears roam Florida today, compared to as few as 300 bears in the 1970s.
- Bears can pick up scents from over a mile away: that's seven times better than a bloodhound and the best of any land mammal.
- Adult bears typically weigh between 150 to 400 pounds, with males often twice the size of females.
- Females have their first litter around 3 years of age, with one to three cubs born every other year.
- Breeding occurs from June to August, with cubs born around February 1.
- On average, females range over 15 square miles and males range over 60 square miles.

A bear's diet





Bear behavior and you

Black bears are shy and generally not aggressive. When seen near homes or workplaces, bears are often just passing through. When frightened, bears typically run away or climb a tree. If a bear is in a tree, it is either feeding or trying to escape danger. Keep people and pets away, and the bear will leave on its own, usually after dark.

When a bear stands on its hind legs, it is trying to get a better view or scent. Black bears may huff, snap their jaws, swat the ground or "bluff charge" when cornered, threatened or defending food or young. If this happens, stop, hold your ground and then slowly back away.

Remember bears are large, powerful, wild animals that can act unpredictably and become dangerous. Bears who receive food from people may lose their natural fear of them and are more likely to damage property or become a public safety risk. NEVER feed or attract bears. If a bear is eating something on your property, take note of what it is and secure it after the bear has left the area.



Learn all about Florida's bears and being BearWise at *MyFWC.com/BearWise*.

BearWise

BearWise tips:

- Never approach a bear. Keep as much distance between you and the bear as possible.
- If a bear changes its behavior because you're there, you are too close.
- If you encounter a bear at close range, stand with arms raised, back up slowly and speak to the bear in a calm, assertive voice.
- Do not turn your back, play dead or run from a black bear.
- Make sure you are in a secure area, such as a car or building, and the bear has a clear escape route, then scare the bear away with loud noises, like yelling, blowing a whistle, or using an air or car horn.
- Install a motion-activated device, such as flood lights, a water sprinkler or audio alarm, to scare a bear away from a location when you are not present.
- Report any bear threatening the safety of people, pets or livestock, or causing property damage, to the FWC (see back cover).
- Walk dogs on a non-retractable leash and be aware of your surroundings. Dogs can trigger defensive behaviors from bears.

Encourage your school system to use the *Florida Black Bear Curriculum Guide*. The guide is designed for grades 3 to 8 and is correlated to state education standards.



Avoid attracting bears

Bears do not hang around people if they do not find food. Properly storing or securing garbage and other attractants is a proven method of preventing bear conflicts. However, it takes a community-wide effort to keep bears wild and away from neighborhoods.

- Use electric fencing to protect gardens, garbage, compost piles, beehives, fruit trees and livestock.



John Bailey

- Keep garage doors closed when not in use.
- Feed pets indoors or bring food dishes (even empty ones) inside at night.
- Store pet and livestock feed in bear-resistant containers or inside a secure area.
- Remove or modify bird and wildlife feeders and ensure the ground is free of all feed debris.
- Properly harvest ripe nuts, fruits, and vegetables and remove rotten fruits and vegetables.
- Create an "unwelcome" mat by driving finishing nails, heads up, into a sheet of anchored plywood to keep bears away from a specific area, such as under a window, door or fence.
- Keep outdoor refrigerators and freezers in a secure location or lock up with super-adhesive anchors, like Marine Locks™.
- Clean meat smokers and barbeque grills with a degreasing detergent and store in a secure area. Dispose of food remnants/grease after each use.

A screened-in porch will not keep bears out!

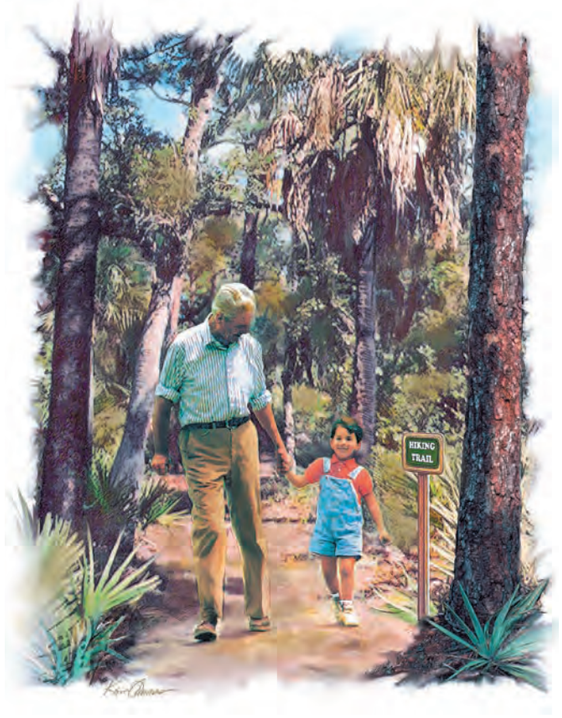
APPENDIX G

FLORIDA PANTHER INFORMATIONAL PAMPHLET

You live in Florida panther country

Florida panthers are reclusive and rarely seen by people. They normally live in remote, undeveloped areas. However, as the number of people in southern Florida grows, there is an increased chance of an encounter with a Florida panther.

This brochure contains some guidelines to help you live safely in Florida panther country.



Keep children within sight and close to you, especially outdoors between dusk and dawn.

If you feel threatened by a panther, or have lost pets or livestock to a panther, please call the Florida Fish and Wildlife Conservation Commission's Wildlife Alert Hotline at 1-888-404-FWCC (3922).

If you see a Florida panther

The Florida panther moves primarily at night. The chances of seeing a panther are slim. But if you live in Florida panther country, you need to know what to do if you see one.

- **Keep children within sight and close to you.** Pick up any small children so they don't panic and run. Try to do this without bending over or turning away from the Florida panther.
- **Give them space.** Florida panthers typically will avoid a confrontation. Give them a way to escape.
- **Do not run.** Running may stimulate a panther's instinct to chase. Stand and face the animal. Make eye contact to let the panther know you are aware of its presence.
- **Avoid crouching or bending over.** Squatting or bending makes you look smaller, resembling a prey-sized animal.
- **Appear larger.** Make gestures that indicate you are not prey and that you may be a danger to the panther. Raise your arms. Open your jacket. Throw stones, branches or whatever you can reach without crouching or turning your back. Wave your arms slowly and speak firmly in a loud voice.
- **Fight back if attacked.** There has never been a reported panther attack in Florida. In western states, where attacks by cougars have occurred very rarely, potential victims have fought back successfully with rocks, sticks, caps, jackets, garden tools and their bare hands. Since large cats usually try to bite the head or neck, try to remain standing and face the animal.



Mark Lotz

printed on recycled paper

Florida Fish and Wildlife Conservation Commission
620 S. Meridian Street
Tallahassee, FL 32399-1600
MyFWC.com/Panther

A guide to living with

Florida Panthers



© Lynn Stone

MyFWC.com/Panther

7 ways to live safely in Florida panther country

While these guidelines are meant to help you live safely in Florida panther habitat, they also apply to living with more commonly encountered wildlife, including raccoons, snakes, bears and alligators.

1. **Be alert from dusk 'til dawn (and whenever deer are active)**
   Florida panthers primarily are active at night. Exercise more caution at dawn, dusk or dark.

2. **Keep panther prey away**
   Deer, raccoons, rabbits, armadillos and wild hogs are prey for the Florida panther. By feeding deer or other wildlife, people inadvertently may attract panthers. Do not leave potential wildlife food outside, such as unsecured garbage or pet food. Consider fencing vegetable gardens.

3. **Keep pets secure**
   Free-roaming pets, or pets that are tethered and unfenced, are easy prey for predators, including panthers. Bring pets inside or keep them in a secure and covered kennel at night. Feeding pets outside also may attract raccoons and other panther prey; do not leave uneaten pet food available to wildlife.



Keep your pets safe and secure. Bring pets inside or keep them in a secure and covered kennel at night.



Keep livestock safe and secure.

4. **Keep domestic livestock secure**
   Where practical, place chickens, goats, hogs or other livestock in enclosed structures at night. Electric fencing can be an effective predator deterrent.

5. **Landscape for safety**
   Remove dense or low-lying vegetation that would provide hiding places for panthers and other predatory animals near your house.
   - Remove plants that deer like to eat.
   - Choose plants that do not attract deer or other panther prey species. For information on plants that deer do not like to eat, visit edis.ifas.ufl.edu/UW137.
   - Appropriate fencing will make your yard or play area uninviting to prey animals such as deer.

6. **Consider other deterrents**
   Outdoor lighting, motion sensors and electric fencing also may deter prey animals and panthers from entering your yard. Outdoor lighting also will make approaching prey and panthers more visible to you.

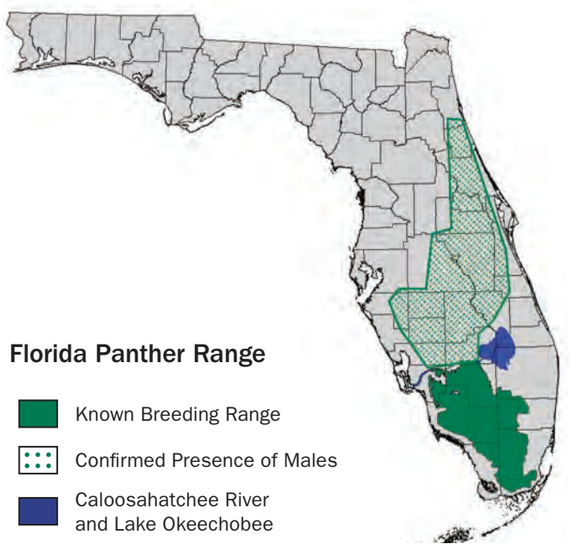
7. **Hike or bike with a friend**
   When recreating outdoors, it's a good practice to let friends or family know your whereabouts and when you expect to return. Better yet, take a friend with you!

Florida panther facts

- The Florida panther is a subspecies of puma, also known as a mountain lion or cougar. It is the last subspecies still surviving in the eastern United States.
- Biologists estimate roughly 100-160 adult and subadult Florida panthers remain in the wild. Most panthers live in southwest Florida, south of the Caloosahatchee River, although some panthers have been documented traveling as far north as central Georgia.
- The Florida panther's decline occurred prior to 1950, when it still was legal to hunt panthers. It was listed as endangered in 1967 and is protected under federal and state laws.
- Florida panther numbers declined to roughly 30 cats by the early 1980s. Severe inbreeding resulted in many health and physical problems. A genetic restoration project in 1995 was successful in improving the genetic health and vigor of the panther population.
- Florida panthers are found primarily in the Big Cypress/Everglades ecosystem in Collier, Lee, Hendry, Monroe and Miami-Dade counties.
- Florida panthers' home range sizes vary by sex and by individual. Female home ranges are typically 60-75 square miles whereas males' are typically 160-200 square miles.
- There is no record of a Florida panther attacking a person. Florida panthers are rarely seen.
- The biggest threat to the future of the Florida panther is habitat loss. A number of panthers also die each year due to vehicle strikes on roadways.
- The Florida panther was chosen as the State Animal of Florida in 1982 by a vote of elementary school students throughout the state.



FWC panther team



This brochure was produced through a partnership of the Audubon Society of Florida, Conservancy of Southwest Florida, Defenders of Wildlife, Florida Fish and Wildlife Conservation Commission, Florida Wildlife Federation, Friends of the Florida Panther Refuge, Mountain Lion Foundation, National Park Service, National Wildlife Federation, Seminole Tribe of Florida, University of Florida and the U.S. Fish and Wildlife Service.

Funding provided by the Florida Fish and Wildlife Conservation Commission, Friends of the Florida Panther Refuge and the National Fish and Wildlife Foundation.

APPENDIX H

EASTERN INDIGO SNAKE INFORMATIONAL PAMPHLET

Killing, harming, or harassing indigo snakes is strictly prohibited and punishable under State and Federal Law.

Only individuals currently authorized through an issued Incidental Take Statement in association with a USFWS Biological Opinion, or by a Section 10(a)(1)(A) permit issued by the USFWS, to handle an eastern indigo snake are allowed to do so.

LEGAL STATUS: The eastern indigo snake is classified as a Threatened species by both the USFWS and the Florida Fish and Wildlife Conservation Commission. "Taking" of eastern indigo snakes is prohibited by the Endangered Species Act without a permit. "Take" is defined by the USFWS as an attempt to kill, harm, harass, pursue, hunt, shoot, wound, trap, capture, collect, or engage in any such conduct. Penalties include a maximum fine of $25,000 for civil violations and up to $50,000 and/or imprisonment for criminal offenses, if convicted.

August 12, 2013

ATTENTION:

THREATENED EASTERN INDIGO SNAKES MAY BE PRESENT ON THIS SITE!!!



Please read the following information provided by the U.S. Fish and Wildlife Service to become familiar with standard protection measures for the eastern indigo snake.

IF YOU SEE A LIVE EASTERN INDIGO SNAKE ON THE SITE:

- Cease clearing activities and allow the eastern indigo snake sufficient time to move away from the site without interference.
- Personnel must NOT attempt to touch or handle snake due to protected status.
- Take photographs of the snake, if possible, for identification and documentation purposes.
- Immediately notify supervisor or the applicant's designated agent, **and** the appropriate U.S. Fish and Wildlife Service (USFWS) office, with the location information and condition of the snake.
- If the snake is located in a vicinity where continuation of the clearing or construction activities will cause harm to the snake, the activities must halt until such time that a representative of the USFWS returns the call (within one day) with further guidance as to when activities may resume.

IF YOU SEE A DEAD EASTERN INDIGO SNAKE ON THE SITE:

- Cease clearing activities and immediately notify supervisor or the applicant's designated agent, **and** the appropriate USFWS office, with the location information and condition of the snake.
- Take photographs of the snake, if possible, for identification and documentation purposes.
- Thoroughly soak the dead snake in water and then freeze the specimen. The appropriate wildlife agency will retrieve the dead snake.

USFWS Florida Field Offices to be contacted if a live or dead eastern indigo snake is encountered:

North Florida ES Office – (904) 731-3336
Panama City ES Office – (850) 769-0552
South Florida ES Office – (772) 562-3909

DESCRIPTION: The eastern indigo snake is one of the largest non-venomous snakes in North America, with individuals often reaching up to 8 feet in length. They derive their name from the glossy, blue-black color of their scales above and uniformly slate blue below. Frequently, they have orange to coral reddish coloration in the throat area, yet some specimens have been reported to only have cream coloration on the throat. These snakes are not typically aggressive and will attempt to crawl away when disturbed. Though indigo snakes rarely bite, they should NOT be handled.

SIMILAR SNAKES: The black racer is the only other solid black snake resembling the eastern indigo snake. However, black racers have a white or cream chin, thinner bodies, and WILL BITE if handled.

LIFE HISTORY: The eastern indigo snake occurs in a wide variety of terrestrial habitat types throughout Florida. Although they have a preference for uplands, they also utilize some wetlands and agricultural areas. Eastern indigo snakes will often seek shelter inside gopher tortoise burrows and other below- and above-ground refugia, such as other animal burrows, stumps, roots, and debris piles. Females may lay from 4 - 12 white eggs as early as April through June, with young hatching in late July through October.

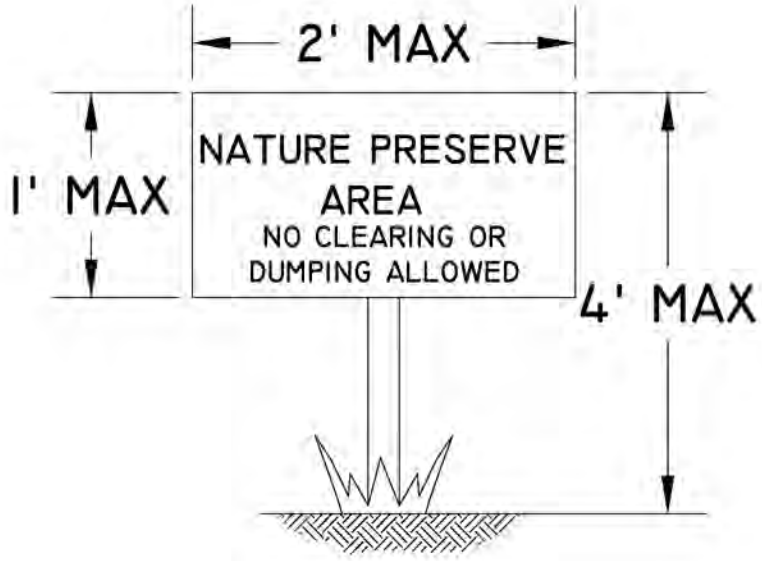
APPENDIX I

AMERICAN ALLIGATOR MANAGEMENT AND PRESERVE SIGNAGE



TYPICAL AMERICAN ALLIGATOR SIGNAGE

N.T.S.



TYPICAL PRESERVE SIGNAGE

N.T.S.

APPENDIX I. AMERICAN ALLIGATOR MANAGEMENT AND PRESERVE SIGNAGE
DANIELS PARKWAY SOUTH

DRAWN BY	DATE
D.B.	7/9/19
REVIEWED BY	DATE
S.J.	7/9/19
REVISED	DATE

PASSARELLA & ASSOCIATES INC
Consulting Ecologists

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EXHIBIT E

OF ENVIRONMENTAL REPORTS
EXHIBITS – M12 & T7

PROTECTED SPECIES SURVEY

DANIELS PARKWAY SOUTH
LEE COUNTY PROTECTED SPECIES SURVEY

Revised May 2022

Prepared For:

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Prepared By:

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Project No. 19LLL3192

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1.0 INTRODUCTION

This report documents the Lee County Protected Species Survey conducted by Passarella & Associates, Inc. (PAI) at Daniels Parkway South (Project). Protected species were also documented during other fieldwork on the Project site. The protected species survey was conducted to meet the requirements of the Lee County Land Development Code (LDC) Chapter 10, Article III, Division 8 (Protection of Habitat) Standards.

The Project totals 1,233.08± acres and is located in Sections 8, 9, 16, 17, and 21; Township 45 South, Range 26 East, Lee County (Figure 1). The site is bordered to the north by Daniels Parkway, to the east by single-family residential development and undeveloped land, to the west by a Florida Power & Light (FPL) transmission line and undeveloped land, and to the south by Lee County's Wild Turkey Strand Preserve.

2.0 LAND USES AND VEGETATION ASSOCIATIONS

Vegetation and land cover mapping for the Project was conducted using a Lee County 2020 rectified aerial (Appendix A). Groundtruthing of the vegetative communities was conducted by PAI in January 2020 utilizing the Florida Land Use, Cover and Forms Classification System (FLUCFCS) Level III (Florida Department of Transportation 1999). Level IV FLUCFCS was utilized to denote disturbance and hydrologic conditions. "E" codes were used to identify levels of exotic and invasive vegetation (e.g., Brazilian pepper (*Schinus terebinthifolia*), melaleuca (*Melaleuca quinquenervia*), West Indian marsh grass (*Hymenachne amplexicaulis*), Wright's nutrush (*Scleria lacustris*), and torpedograss (*Panicum repens*)). AutoCAD 3D 2021 software was used to determine the acreage of each mapping area, produce summaries, and generate the FLUCFCS map for the Project (Appendix A). A total of 50 vegetative and land cover types (i.e., FLUCFCS codes) were identified within the Project area. Table 1 provides the breakdown of the FLUCFCS codes by acreage for the Project, and a description of each of the classifications follows.

Table 1. Vegetative and Land Cover Types by FLUCFCS Code

FLUCFCS Code	Description	Acreage	Percent Total
211	Improved Pasture	473.76	38.4
262	Low Pasture	27.96	2.3
3219 E1	Palmetto Prairie, Disturbed (0-24% Exotics)	3.13	0.3
3219 E2	Palmetto Prairie, Disturbed (25-49% Exotics)	4.15	0.3
3219 E3	Palmetto Prairie, Disturbed (50-75% Exotics)	2.11	0.2
3219 E4	Palmetto Prairie, Disturbed (76-100% Exotics)	0.73	0.1
4119 E1	Pine Flatwoods, Disturbed (0-24% Exotics)	53.32	4.3
4119 E2	Pine Flatwoods, Disturbed (25-49% Exotics)	28.79	2.3
4119 E3	Pine Flatwoods, Disturbed (50-75% Exotics)	2.64	0.2
4119 E4	Pine Flatwoods, Disturbed (76-100% Exotics)	2.87	0.2
4159 E1	Pine, Disturbed (0-24% Exotics)	11.18	0.9

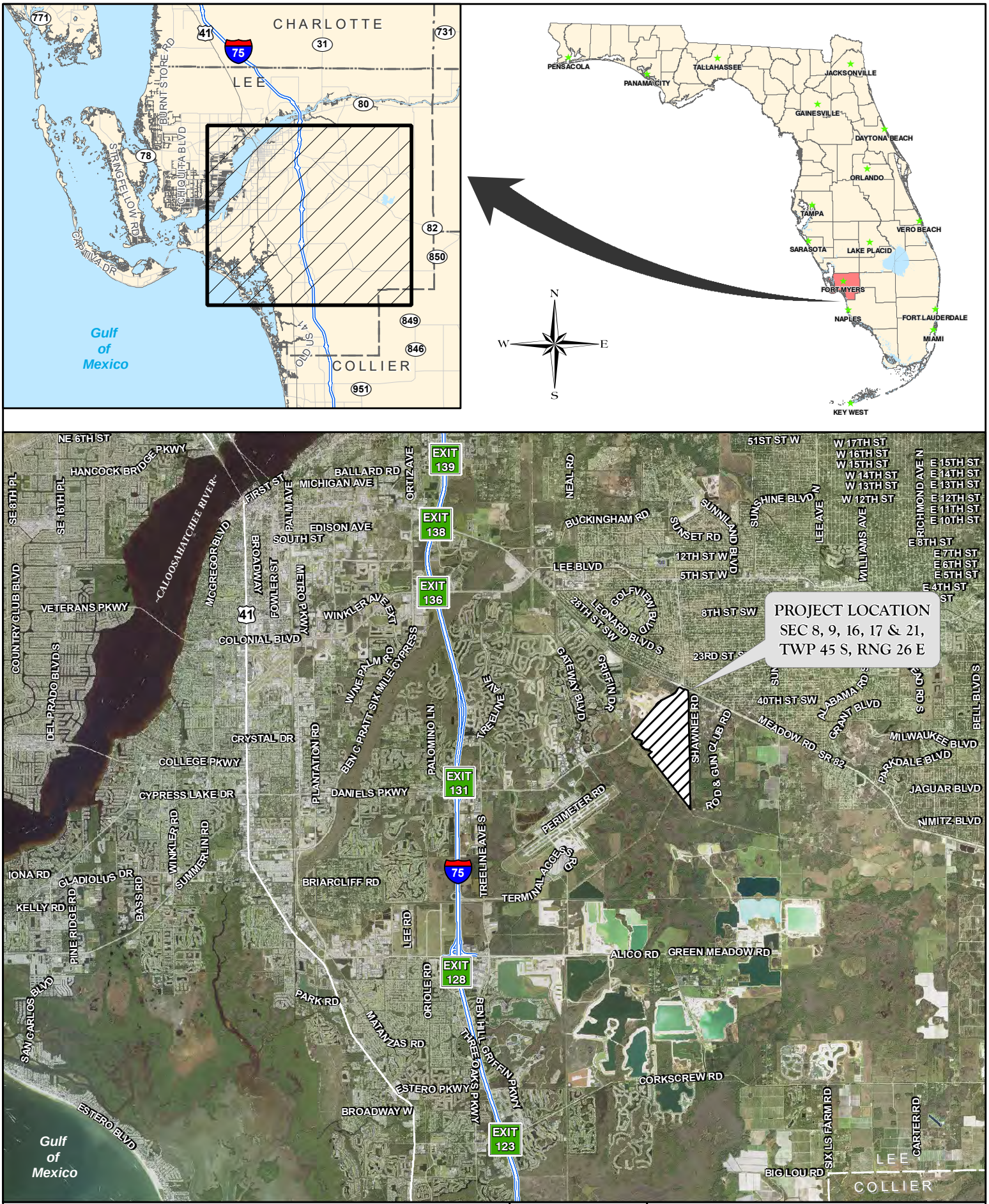

FIGURE 1. PROJECT LOCATION MAP
DANIELS PARKWAY SOUTH

DRAWN BY	DATE
P.F.	6/28/21
REVIEWED BY	DATE
J.T.	6/28/21
REVISED	DATE

PASSARELLA & ASSOCIATES, INC
Consulting Ecologists

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Table 1. (Continued)

FLUCFCS Code	Description	Acreage	Percent Total
4159 E2	Pine, Disturbed (25-49% Exotics)	2.76	0.2
4159 E3	Pine, Disturbed (50-75% Exotics)	2.07	0.2
4159 E4	Pine, Disturbed (76-100% Exotics)	1.51	0.1
422	Brazilian Pepper	3.67	0.3
424	Melaleuca	2.93	0.2
4241	Melaleuca, Hydric	133.24	10.8
4279 E1	Live Oak, Disturbed (0-24% Exotics)	1.20	0.1
4281 E3	Cabbage Palm, Hydric (50-75% Exotics)	11.15	0.9
4349 E1	Hardwood/Conifer Mixed, Disturbed (0-24% Exotics)	6.52	0.5
4349 E2	Hardwood/Conifer Mixed, Disturbed (25-49% Exotics)	6.05	0.5
4349 E3	Hardwood/Conifer Mixed, Disturbed (50-75% Exotics)	7.39	0.6
4349 E4	Hardwood/Conifer Mixed, Disturbed (76-100% Exotics)	2.49	0.2
4389 E1	Mixed Hardwoods, Disturbed (0-24% Exotics)	4.51	0.4
514	Ditch	30.71	2.5
514 H	Ditch, Hydric	8.14	0.7
525	Cow Pond	0.22	< 0.1
6179 E1	Mixed Wetland Hardwoods, Disturbed (0-24% Exotics)	30.69	2.5
6179 E2	Mixed Wetland Hardwoods, Disturbed (25-49% Exotics)	1.77	0.1
6179 E3	Mixed Wetland Hardwoods, Disturbed (50-75% Exotics)	1.48	0.1
6179 E4	Mixed Wetland Hardwoods, Disturbed (76-100% Exotics)	3.35	0.3
6219 E1	Cypress, Disturbed (0-24% Exotics)	17.46	1.4
6219 E2	Cypress, Disturbed (25-49% Exotics)	48.22	3.9
6219 E3	Cypress, Disturbed (50-75% Exotics)	11.90	1.0
6219 E4	Cypress, Disturbed (76-100% Exotics)	8.66	0.7
6259 E1	Pine, Hydric, Disturbed (0-24% Exotics)	1.37	0.1
6259 E2	Pine, Hydric, Disturbed (25-49% Exotics)	11.69	0.9
6259 E3	Pine, Hydric, Disturbed (50-75% Exotics)	25.38	2.1
6259 E4	Pine, Hydric, Disturbed (76-100% Exotics)	1.72	0.1
6319 E2	Wetland Shrub, Disturbed (25-49% Exotics)	5.63	0.5
6419 E1	Freshwater Marsh, Disturbed (0-24% Exotics)	15.59	1.3
6419 E2	Freshwater Marsh, Disturbed (25-49% Exotics)	2.67	0.2
6419 E3	Freshwater Marsh, Disturbed (50-75% Exotics)	17.65	1.4
6419 E4	Freshwater Marsh, Disturbed (76-100% Exotics)	126.88	10.3
6439 E3	Wet Prairies, Disturbed (50-75% Exotics)	7.24	0.6
6439 E4	Wet Prairies, Disturbed (76-100% Exotics)	3.37	0.3
740	Disturbed Land	6.47	0.5
7401	Disturbed Land, Hydric	9.30	0.8
743	Spoil Area	0.21	< 0.1
747	Berm	39.18	3.2
Total		**1,233.08**	**100.0**

Improved Pasture (FLUCFCS Code 211)
The canopy of this land use type is primarily open with scattered cabbage palm (*Sabal palmetto*) and melaleuca. The sub-canopy contains scattered wax myrtle (*Morella cerifera*), live oak (*Quercus virginiana*), cabbage palm, and Brazilian pepper. The ground cover consists of bahiagrass (*Paspalum notatum*), carpetgrass (*Axonopus* sp.), broomsedge (*Andropogon virginicus*), dog fennel (*Eupatorium capillifolium*), grass-leaved goldenrod (*Euthamia graminifolia*), bermudagrass (*Cynodon dactylon*), and tropical soda apple (*Solanum viarum*).

Low Pasture (FLUCFCS Code 262)
The canopy and sub-canopy of this land use type are open. The ground cover includes torpedograss (*Panicum repens*), witchgrass (*Dichanthelium* sp.), dog fennel, marsh pennywort (*Hydrocotyle umbellata*), Wright's nutrush (*Scleria lacustris*), yellow-eyed grass (*Xyris* sp.), melaleuca, and Asiatic pennywort (*Centella asiatica*).

Palmetto Prairie, Disturbed (0-24% Exotics) (FLUCFCS Code 3219 E1)
The canopy of this habitat type is primarily open with scattered melaleuca on the edges. The sub-canopy contains saw palmetto (*Serenoa repens*) and scattered Brazilian pepper. The ground cover includes carpetgrass, chocolateweed (*Melochia spicata*), saw palmetto, and grass-leaved goldenrod.

Palmetto Prairie, Disturbed (25-49% Exotics) (FLUCFCS Code 3219 E2)
This habitat type is similar to FLUCFCS Code 3219 E1, but with 25 to 49 percent melaleuca in the sub-canopy.

Palmetto Prairie, Disturbed (50-75% Exotics) (FLUCFCS Code 3219 E3)
This habitat type is similar to FLUCFCS Code 3219 E2, but with 50 to 75 percent Brazilian pepper and melaleuca in the sub-canopy.

Palmetto Prairie, Disturbed (76-100% Exotics) (FLUCFCS Code 3219 E4)
This habitat type is similar to FLUCFCS Code 3219 E3, but with 76 to 100 percent Brazilian pepper and melaleuca in the canopy and sub-canopy.

Pine Flatwoods, Disturbed (0-24% Exotics) (FLUCFCS Code 4119 E1)
The canopy of this habitat type includes slash pine (*Pinus elliottii*) and live oak. The sub-canopy contains saw palmetto, muscadine grapevine (*Vitis rotundifolia*), slash pine, scattered laurel oak (*Quercus laurifolia*), and widely scattered wax myrtle and melaleuca. The ground cover includes bahiagrass, false fennel (*Eupatorium leptophyllum*), chocolateweed, live oak, little blue maidencane (*Amphicarpum muhlenbergianum*), muscadine grapevine, spermacoce (*Spermacoce verticillata*), broomsedge, and scattered saw palmetto.

Pine Flatwoods, Disturbed (25-49% Exotics) (FLUCFCS Code 4119 E2)
This habitat type is similar to FLUCFCS Code 4119 E1, but with 25 to 49 percent Brazilian pepper in sub-canopy.

Pine Flatwoods, Disturbed (50-75% Exotics) (FLUCFCS Code 4119 E3)
This habitat type is similar to FLUCFCS Code 4119 E2, but with 50 to 75 percent melaleuca and Brazilian pepper in the canopy and sub-canopy.

Pine Flatwoods, Disturbed (76-100% Exotics) (FLUCFCS Code 4119 E4)
This habitat type is similar to FLUCFCS Code 4119 E3, but with 76 to 100 percent melaleuca and Brazilian pepper in the canopy and sub-canopy.

Pine, Disturbed (0-25% Exotics) (FLUCFCS Code 4159 E1)
The canopy of this habitat type contains slash pine and scattered cabbage palm, live oak, and melaleuca. The sub-canopy consists of slash pine, cabbage palm, laurel oak, and widely scattered melaleuca and Brazilian pepper. The ground cover is primarily open with widely scattered spermacoce, muscadine grapevine, and carpetgrass.

Pine, Disturbed (25-49% Exotics) (FLUCFCS Code 4159 E2)
This habitat type is similar to FLUCFCS Code 4159 E1, but with 25 to 49 percent melaleuca and Brazilian pepper in the canopy and sub-canopy and spermacoce in the ground cover.

Pine, Disturbed (50-75% Exotics) (FLUCFCS Code 4159 E3)
This habitat type is similar to FLUCFCS Code 4159 E2, but with 50 to 75 percent earleaf acacia (*Acacia auriculiformis*), Java plum (*Syzygium cumini*), and Brazilian pepper in the sub-canopy and caesarweed (*Urena lobata*) in the ground cover.

Pine, Disturbed (76-100% Exotics) (FLUCFCS Code 4159 E4)
This habitat type is similar to FLUCFCS Code 4159 E3, but with 76 to 100 percent melaleuca in the canopy and sub-canopy.

Brazilian Pepper (FLUCFCS Code 422)
The canopy and sub-canopy of this habitat type contain Brazilian pepper and scattered melaleuca. The ground cover is primarily open and includes earleaf greenbrier (*Smilax auriculata*) and muscadine grapevine.

Melaleuca (FLUCFCS Code 424)
The canopy of this habitat type includes melaleuca and scattered Java plum. The sub-canopy contains Brazilian pepper, melaleuca, Java plum, and widely scattered slash pine, wax myrtle, and cabbage palm. The ground cover includes broomsedge, bahiagrass, dog fennel, spermacoce, cabbage palm, little blue maidencane, and scattered saw palmetto.

Melaleuca, Hydric (FLUCFCS Code 4241)
The canopy of this habitat type includes melaleuca. The sub-canopy contains melaleuca, Brazilian pepper, and cabbage palm. The ground cover includes little blue maidencane, broomsedge, torpedograss, sawgrass (*Cladium jamaicense*), swamp fern (*Telmatoblechnum serrulatum*), swamp flatsedge (*Cyperus ligularis*), Southern beaksedge (*Rhynchospora microcarpa*), Wright's nutrush, false hop sedge (*Carex lupuliformis*), and widely scattered maidencane (*Panicum hemitomon*).

Live Oak, Disturbed (0-24% Exotics) (FLUCFCS Code 4279 E1)
The canopy of this habitat type includes live oak and widely scattered slash pine. The sub-canopy contains scattered saw palmetto, live oak, and American beautyberry (*Callicarpa americana*). The ground cover is primarily open with scattered basketgrass (*Oplismenus* sp.) and caesarweed.

Cabbage Palm, Hydric (50-75% Exotics) (FLUCFCS Code 4281 E3)
The canopy of this habitat type includes cabbage palm. The sub-canopy contains cabbage palm, wax myrtle, and scattered melaleuca. The ground cover includes torpedograss, Wright's nutrush, little blue maidencane, saw palmetto, swamp flatsedge, Asiatic pennywort, marsh pennywort, broomsedge, and dog fennel.

Hardwood/Conifer Mixed, Disturbed (0-24% Exotics) (FLUCFCS Code 4349 E1)
The canopy of this habitat type includes slash pine, live oak, laurel oak, cabbage palm, and widely scattered melaleuca. The sub-canopy contains laurel oak, wax myrtle, Java plum, cabbage palm, slash pine, saw palmetto, live oak, Brazilian pepper, rusty staggerbush (*Lyonia ferruginea*), and widely scattered melaleuca. The ground cover includes carpetgrass, cabbage palm, muscadine grapevine, Asiatic pennywort, caesarweed, earleaf greenbrier, saw palmetto, dog fennel, broomsedge, and spermacoce.

Hardwood/Conifer Mixed, Disturbed (25-49% Exotics) (FLUCFCS Code 4349 E2)
This habitat type is similar to FLUCFCS Code 4349 E1, but with 25 to 49 percent Brazilian pepper in the sub-canopy.

Hardwood/Conifer Mixed, Disturbed (50-75% Exotics) (FLUCFCS Code 4349 E3)
This habitat type is similar to FLUCFCS Code 4349 E2, but with 50 to 75 percent Brazilian pepper in the sub-canopy and caesarweed in the ground cover.

Hardwood/Conifer Mixed, Disturbed (76-100% Exotics) (FLUCFCS Code 4349 E4)
This habitat type is similar to FLUCFCS Code 4349 E4, but with 76 to 100 percent earleaf acacia in the canopy and Brazilian pepper in the sub-canopy.

Mixed Hardwoods, Disturbed (0-24% Exotics) (FLUCFCS Code 4389 E1)
The canopy of this habitat type includes live oak, laurel oak, and scattered cabbage palm. The sub-canopy contains live oak, laurel oak, cabbage palm, and scattered myrsine (*Myrsine cubana*). The ground cover is primarily open with scattered live oak.

Ditch (FLUCFCS Codes 514)
The canopy of this land use type is open. The sub-canopy contains Brazilian pepper, cabbage palm, live oak, and slash pine along the edges. The ground cover includes dotted smartweed (*Persicaria punctata*), torpedograss, Asiatic pennywort, Gulf coast spikerush (*Eleocharis cellulosa*), dwarf papyrus (*Cyperus haspan*), frog fruit (*Phyla nodiflora*), Mexican clover (*Richardia* sp.), and smallfruit primrose willow (*Ludwigia microcarpa*).

Ditch, Hydric (FLUCFCS Code 514H)
This habitat type is similar to FLUCFCS Code 514 with a higher prevalence of wetland vegetation species such as torpedograss.

Cow Pond (FLUCFCS Code 525)
The canopy and sub-canopy of this land use type are open. The ground cover includes scattered torpedograss along the edges.

Mixed Wetland Hardwoods, Disturbed (0-24% Exotics) (FLUCFCS Code 6179 E1)
The canopy of this habitat type includes laurel oak, cabbage palm, slash pine, and scattered bald cypress (*Taxodium distichum*). The sub-canopy contains laurel oak, myrsine, wax myrtle, Brazilian pepper, saltbush (*Baccharis halimifolia*), cabbage palm, and buckthorn (*Sideroxylon reclinatum*). The ground cover includes marsh pennywort, sawgrass, frog fruit, witchgrass, false fennel, broomsedge, little blue maidencane, climbing hempvine (*Mikania scandens*), earleaf greenbrier, Asiatic pennywort, Wright's nutrush, and gulfdune paspalum (*Paspalum monostachyum*).

Mixed Wetland Hardwoods, Disturbed (25-49% Exotics) (FLUCFCS Code 6179 E2)
This habitat type is similar to FLUCFCS Code 6179 E1, but with 25 to 49 percent melaleuca in the canopy and Brazilian pepper in the sub-canopy.

Mixed Wetland Hardwoods, Disturbed (50-75% Exotics) (FLUCFCS Code 6179 E3)
This habitat type is similar to FLUCFCS Code 6179 E2, but with 50 to 75 percent melaleuca in the canopy and Brazilian pepper in the sub-canopy.

Mixed Wetland Hardwoods, Disturbed (76-100% Exotics) (FLUCFCS Code 6179 E4)
This habitat type is similar to FLUCFCS Code 6179 E3, but with 76 to 100 percent Peruvian primrose willow in the sub-canopy.

Cypress, Disturbed (0-24% Exotics) (FLUCFCS Code 6219 E1)
The canopy of this habitat type includes bald cypress. The sub-canopy contains bald cypress, wax myrtle, and scattered Brazilian pepper and melaleuca. The ground cover includes sawgrass, marsh pennywort, little blue maidencane, and scattered West Indian marsh grass and torpedograss.

Cypress, Disturbed (25-49% Exotics) (FLUCFCS Code 6219 E2)
This habitat type is similar to FLUCFCS Code 6219 E1, but with 25 to 49 percent Brazilian pepper in the sub-canopy and torpedograss and West Indian marsh grass in the ground cover.

Cypress, Disturbed (50-75% Exotics) (FLUCFCS Code 6219 E3)
This habitat type is similar to FLUCFCS Code 6219 E2, but with 50 to 75 percent Brazilian pepper and melaleuca in the canopy and sub-canopy and torpedograss and West Indian marsh grass in the ground cover.

Cypress, Disturbed (76-100% Exotics) (FLUCFCS Code 6219 E4)
This habitat type is similar to FLUCFCS Code 6219 E3, but with 76 to 100 percent Melaleuca in the canopy and sub-canopy and torpedograss and West Indian marsh grass in the ground cover.

Pine, Hydric, Disturbed (0-24% Exotics) (FLUCFCS Code 6259 E1)
The canopy of this habitat type includes slash pine and widely scattered cabbage palm and melaleuca. The sub-canopy contains slash pine, wax myrtle, melaleuca, and scattered cabbage palm. The ground cover includes rush fuirena (*Fuirena scirpoidea*), little blue maidencane,

gulfdune paspalum, Asiatic pennywort, sawgrass, Wright's nutrush, corkwood (*Stillingia aquatica*), jointed spikerush (*Eleocharis interstincta*), musky mint (*Hyptis alata*), yellow-eyed grass, Southern beaksedge, rayless goldenrod (*Bigelowia nudata*), and torpedograss.

Pine, Hydric, Disturbed (25-49% Exotics) (FLUCFCS Code 6259 E2)
This habitat type is similar to FLUCFCS Code 6259 E1, but with 25 to 49 percent melaleuca in the canopy and sub-canopy and Wright's nutrush and torpedograss in the ground cover.

Pine, Hydric, Disturbed (50-75% Exotics) (FLUCFCS Code 6259 E3)
This habitat type is similar to FLUCFCS Code 6259 E2, but with 50 to 75 percent melaleuca in the canopy and sub-canopy and Wright's nutrush in the ground cover.

Pine, Hydric, Disturbed (76-100% Exotics) (FLUCFCS Code 6259 E4)
This vegetation community is similar to FLUCFCS Code 6259 E3, but with 76 to 100 percent melaleuca and Brazilian pepper in the canopy and sub-canopy.

Wetland Shrub, Disturbed (25-49% Exotics) (FLUCFCS Code 6319 E2)
The canopy of this habitat type includes scattered melaleuca. The sub-canopy contains wax myrtle, saltbush, and scattered bald cypress and melaleuca. The ground cover includes little blue maidencane, spreading beaksedge (*Rhynchospora divergens*), slender spikerush (*Eleocharis baldwinii*), Tracy's beaksedge (*Rhynchospora tracyi*), and a rush species (*Juncus* sp.).

Freshwater Marsh, Disturbed (0-24% Exotics) (FLUCFCS Code 6419 E1)
The canopy of this habitat type is primarily open with scattered bald cypress and scattered melaleuca on the edges. The sub-canopy contains scattered wax myrtle, corkwood, bald cypress, melaleuca, and widely scattered Carolina willow (*Salix caroliniana*). The ground cover includes dotted smartweed, shortleaf spike sedge (C*yperus brevifolius*), witchgrass, spikerush, sawgrass, maidencane, fireflag (*Thalia geniculata*), sand cordgrass (*Spartina bakeri*), torpedograss, pickerelweed, soft rush (*Juncus effusus*), Wright's nutrush, and West Indian marsh grass.

Freshwater Marsh, Disturbed (25-49% Exotics) (FLUCFCS Code 6419 E2)
This habitat type is similar to FLUCFCS Code 6419 E1, but with 25 to 49 percent torpedograss, Wright's nutrush, and West Indian marsh grass in the ground cover.

Freshwater Marsh, Disturbed (50-75% Exotics) (FLUCFCS Code 6419 E3)
This habitat type is similar to FLUCFCS Code 6419 E2, but with 50 to 75 percent torpedograss, Wright's nutrush, and West Indian marsh grass in the ground cover.

Freshwater Marsh, Disturbed (76-100% Exotics) (FLUCFCS Code 6419 E4)
This habitat type is similar to FLUCFCS Code 6419 E3, but with 76 to 100 percent torpedograss, Wright's nutrush, and West Indian marsh grass in the ground cover.

Wet Prairie, Disturbed (50-75% Exotics) (FLUCFCS Code 6439 E3)
The canopy and sub-canopy of this habitat type include scattered melaleuca. The ground cover contains torpedograss, Wright's nutrush, broomsedge, and Southern beaksedge.

Wet Prairie, Disturbed (75-100% Exotics) (FLUCFCS Code 6439 E4)
This habitat type is similar to FLUCFCS Code 6439 E3, but with 76 to 100 percent torpedograss and Wright's nutrush in the ground cover.

Disturbed Land (FLUCFCS Code 740)
The canopy of this land use type is primarily open with scattered slash pine and cabbage palm. The sub-canopy contains scattered wax myrtle, slash pine, saw palmetto, and Brazilian pepper. The ground cover includes bahiagrass, chocolateweed, lovegrass (*Eragrostis* sp.), broomsedge, and dog fennel.

Disturbed Land, Hydric (FLUCFCS Code 7401)
The canopy of this land use type includes scattered melaleuca, slash pine, and laurel oak. The sub-canopy contains scattered melaleuca and wax myrtle. The ground cover includes torpedograss, yellow-eyed grass, and acute spikerush (*Eleocharis acutangula*).

Spoil (FLUCFCS Code 743)
The canopy of this land use type is open. The sub-canopy contains Brazilian pepper. The ground cover includes bahiagrass, dog fennel, and spermacoce.

Berm (FLUCFCS Code 747)
The canopy of this land use type includes live oak, cabbage palm, slash pine, melaleuca, and Brazilian pepper. The sub-canopy includes live oak, slash pine, Brazilian pepper, and saw palmetto. The ground cover contains caesarweed, muscadine grapevine, dog fennel, cabbage palm, and broomsedge.

3.0 METHODOLOGY AND DISCUSSION

Surveys for Lee County protected species are based on the presence of specific vegetation associations and habitat types, as outlined in the LDC. The frequency of transects performed in these habitats was designed to meet the 80 percent minimum coverage requirement, per the LDC. Table 2 outlines those protected species that may inhabit or utilize particular vegetation associations according to the LDC.

Table 2. Potential Lee County Protected Species by Habitat Type

FLUCFCS Code	Description	Potential Protected Species
211*	Improved Pasture	Gopher tortoise (*Gopherus polyphemus*)
		Burrowing owl (*Athene cunicularia floridana*)
		Crested caracara (Caracara cheriway)
		Florida sandhill crane (*Grus canadensis pratensis*)
		Florida panther (*Puma concolor coryi*)

Table 2. (Continued)

FLUCFCS Code	Description	Potential Protected Species
262*	Low Pasture	American alligator (*Alligator mississippiensis*)
		Florida sandhill crane (*Grus canadensis pratensis*)
		Limpkin (*Aramus guarauna*)
		Little blue heron (*Egretta caerulea*)
		Reddish egret (*Egretta rufescens*)
		Roseate spoonbill (*Platalea ajaja*)
		Snail kite (*Rostrhamus sociabilis*)
		Snowy egret (*Egretta thula*)
		Tri-colored heron (*Egretta tricolor*)
		Wood stork (*Mycteria americana*)
		Everglades mink (*Mustela vison evergladensis*)
3219 E1 3219 E2 3219 E3 3219 E4*	Palmetto Prairie, Disturbed (0-100% Exotics)	Eastern indigo snake (*Drymarchon corais couperi*)
		Gopher frog (*Rana capito*)
		Gopher tortoise (*Gopherus polyphemus*)
		Crested caracara (*Caracara cheriway*)
		Florida sandhill crane (*Grus canadensis pratensis*)
		Southeastern American kestrel (*Falco sparverius paulus*)
		Florida black bear (*Ursus americanus floridanus*)
		Florida panther (*Puma concolor coryi*)
		Beautiful Pawpaw (*Deeringothamnus pulchellus*)
		Curtis Milkweed (*Asclepias curtissii*)
		Fakahatchee Burmania (*Burmania flava*)
		Florida Coontie (*Zamia floridana*)
4119 E1 4119 E2 4119 E3 4119 E4*	Pine Flatwoods, Disturbed (0-100% Exotics)	Eastern indigo snake (*Drymarchon corais couperi*)
		Gopher frog (*Rana capito*)
		Gopher tortoise (*Gopherus polyphemus*)
		Red-cockaded woodpecker (*Picoides borealis*)
		Southeastern American kestrel (*Falco sparverius paulus*)
		Big Cypress fox squirrel (*Sciurus niger avicennia*)
		Florida black bear (*Ursus americanus floridanus*)
		Florida panther (*Puma concolor coryi*)
		Beautiful Pawpaw (*Deeringothamnus pulchellus*)
		Fakahatchee Burmania (*Burmania flava*)
		Florida Coontie (*Zamia floridana*)
		Satinleaf (*Chrysophyllum oliviforme*)

Table 2. (Continued)

FLUCFCS Code	Description	Potential Protected Species
4159 E1 4159 E2 4159 E3 4159 E4*	Pine, Disturbed (0-100% Exotics)	Eastern indigo snake (*Drymarchon corais couperi*)
		Gopher frog (*Rana capito*)
		Gopher tortoise (*Gopherus polyphemus*)
		Red-cockaded woodpecker (*Picoides borealis*)
		Southeastern American kestrel (*Falco sparverius paulus*)
		Big Cypress fox squirrel (*Sciurus niger avicennia*)
		Florida black bear (*Ursus americanus floridanus*)
		Florida panther (*Puma concolor coryi*)
422*	Brazilian Pepper	Florida black bear (*Ursus americanus floridanus*)
424*	Melaleuca	Big Cypress fox squirrel (*Sciurus niger avicennia*)
4241*	Melaleuca, Hydric	Big Cypress fox squirrel (*Sciurus niger avicennia*)
		Little blue heron (*Egretta caerulea*)
		Snowy egret (*Egretta thula*)
		Tri-colored heron (*Egretta tricolor*)
4279 E1	Live Oak, Disturbed (0-24% Exotics)	Eastern indigo snake (*Drymarchon corais couperi*)
		Gopher frog (*Rana capito*)
		Gopher tortoise (*Gopherus polyphemus*)
		Big Cypress fox squirrel (*Sciurus niger avicennia*)
		Florida black bear (*Ursus americanus floridanus*)
		Florida panther (*Puma concolor coryi*)
		Simpon's stopper (*Myrcianthes fragrans* var. *simpsonii*)
		Hand adder's tongue fern (*Ophioglossum palmatum*)
		Twisted air plant (*Tillandsia flexuosa*)
4281 E3	Cabbage Palm, Hydric (50-75% Exotics)	Eastern indigo snake (*Drymarchon corais couperi*)
		Crested caracara (*Caracara cheriway*)
		Florida black bear (*Ursus americanus floridanus*)
		Florida panther (*Puma concolor coryi*)
		Simpson's Stopper (*Myrcianthes fragrans* var. *simpsonii*)
4349 E1 4349 E2 4349 E3 4349 E4*	Hardwood/Conifer Mixed, Disturbed (0-100% Exotics)	Gopher frog (*Rana capito*)
		Big Cypress fox squirrel (*Sciurus niger avicennia*)
		Florida black bear (*Ursus americanus floridanus*)
		Florida panther (*Puma concolor coryi*)
4389 E1*	Mixed Hardwoods, Disturbed (0-24% Exotics)	Gopher frog (*Rana capito*)
		Big Cypress fox squirrel (*Sciurus niger avicennia*)
		Florida black bear (*Ursus americanus floridanus*)
		Florida panther (*Puma concolor coryi*)

Table 2. (Continued)

FLUCFCS Code	Description	Potential Protected Species
514*	Ditch	American alligator (*Alligator mississippiensis*)
		Least tern (*Sterna antillarum*)
		Limpkin (*Aramus guarauna*)
		Little blue heron (*Egretta caerulea*)
		Reddish egret (*Egretta rufescens*)
		Roseate spoonbill (*Platalea ajaja*)
		Snail Kite (*Rostrhamus sociabilis*)
		Snowy egret (*Egretta thula*)
		Tri-colored heron (*Egretta tricolor*)
		Wood stork (*Mycteria americana*)
		Everglades mink (*Mustela vison evergladensis*)
514H*	Ditch, Hydric	American alligator (*Alligator mississippiensis*)
		Least tern (*Sterna antillarum*)
		Limpkin (*Aramus guarauna*)
		Little blue heron (*Egretta caerulea*)
		Reddish egret (*Egretta rufescens*)
		Roseate spoonbill (*Platalea ajaja*)
		Snail Kite (*Rostrhamus sociabilis*)
		Snowy egret (*Egretta thula*)
		Tri-colored heron (*Egretta tricolor*)
		Wood stork (*Mycteria americana*)
		Everglades mink (*Mustela vison evergladensis*)
525*	Cow Pond	American alligator (*Alligator mississippiensis*)
		Least tern (*Sterna antillarum*)
		Limpkin (*Aramus guarauna*)
		Little blue heron (*Egretta caerulea*)
		Reddish egret (*Egretta rufescens*)
		Roseate spoonbill (*Platalea ajaja*)
		Snail kite (*Rostrhamus sociabilis*)
		Snowy egret (*Egretta thula*)
		Tri-colored heron (*Egretta tricolor*)
		Wood stork (*Mycteria americana*)
		Everglades mink (*Mustela vison evergladensis*)
6179 E1 6179 E2 6179 E3 6179 E4*	Mixed Wetland Hardwoods, Disturbed (0-100% Exotics)	Limpkin (*Aramus guarauna*)
		Little blue heron (*Egretta caerulea*)
		Snowy egret (*Egretta thula*)
		Tri-colored heron (*Egretta tricolor*)
		Big Cypress fox squirrel (*Sciurus niger avicennia*)

Table 2. (Continued)

FLUCFCS Code	Description	Potential Protected Species
6179 E1 6179 E2 6179 E3 6179 E4*	Mixed Wetland Hardwoods, Disturbed (0-100% Exotics) (Continued)	Everglades mink (*Mustela vison evergladensis*)
		Florida black bear (*Ursus americanus floridanus*)
		Florida panther (*Puma concolor coryi*)
		Twisted air plant (*Tillandsia flexuosa*)
6219 E1 6219 E2 6219 E3 6219 E4*	Cypress, Disturbed (0-100% Exotics)	American alligator (*Alligator mississippiensis*)
		Gopher frog (*Rana capito*)
		Limpkin (*Aramus guarauna*)
		Little blue heron (*Egretta caerulea*)
		Snowy egret (*Egretta thula*)
		Tri-colored heron (*Egretta tricolor*)
		Wood stork (*Mycteria americana*)
		Big Cypress fox squirrel (*Sciurus niger avicennia*)
		Everglades mink (*Mustela vison evergladensis*)
		Florida black bear (*Ursus americanus floridanus*)
		Florida panther (*Puma concolor coryi*)
		Twisted air plant (*Tillandsia flexuosa*)
6259 E1 6259 E2 6259 E3 6259 E4*	Pine, Hydric, Disturbed (0-100% Exotics)	Little blue heron (*Egretta caerulea*)
		Red-cockaded woodpecker (*Picoides borealis*)
		Snowy egret (*Egretta thula*)
		Southeastern American kestrel (*Falco sparverius paulus*)
		Tri-colored heron (*Egretta tricolor*)
		Big Cypress fox squirrel (*Sciurus niger avicennia*)
		Florida black bear (*Ursus americanus floridanus*)
		Florida panther (*Puma concolor coryi*)
6319 E2*	Wetland Shrub, Disturbed (25-49% Exotics)	Little blue heron (*Egretta caerulea*)
		Snowy egret (*Egretta thula*)
		Tri-colored heron (*Egretta tricolor*)
		Wood stork (*Mycteria americana*)
		Everglades mink (*Mustela vison evergladensis*)
6419 E1 6419 E2 6419 E3 6419 E4*	Freshwater Marsh, Disturbed (0-100% Exotics)	American alligator (*Alligator mississippiensis*)
		Florida sandhill crane (*Grus canadensis pratensis*)
		Limpkin (*Aramus guarauna*)
		Little blue heron (*Egretta caerulea*)
		Reddish egret (*Egretta rufescens*)
		Roseate spoonbill (*Platalea ajaja*)
		Snail kite (*Rostrhamus sociabilis*)
		Snowy egret (*Egretta thula*)
		Tri-colored heron (*Egretta tricolor*)
		Wood stork (*Mycteria americana*)
		Everglades mink (*Mustela vison evergladensis*)

Table 2. (Continued)

FLUCFCS Code	Description	Potential Protected Species
6439 E3 6439 E4*	Wet Prairie, Disturbed (50-100% Exotics)	Limpkin (*Aramus guarauna*)
		Little blue heron (*Egretta caerulea*)
		Reddish egret (*Egretta rufescens*)
		Roseate spoonbill (*Platalea ajaja*)
		Snail kite (*Rostrhamus sociabilis*)
		Snowy egret (*Egretta thula*)
		Tri-colored heron (*Egretta tricolor*)
		Wood stork (*Mycteria americana*)
		Everglades mink (*Mustela vison evergladensis*)
740*	Disturbed Land	Gopher tortoise (*Gopherus polyphemus*)
		Burrowing owl (*Athene cunicularia floridana*)
7401*	Disturbed Land, Hydric	American alligator (*Alligator mississippiensis*)
		Little blue heron (*Egretta caerulea*)
		Reddish egret (*Egretta rufescens*)
		Snowy egret (*Egretta thula*)
		Tri-colored heron (*Egretta tricolor*)
		Wood stork (*Mycteria americana*)
743*	Spoil Area	Gopher tortoise (*Gopherus polyphemus*)
747*	Berm	Gopher tortoise (*Gopherus polyphemus*)
		Crested caracara (*Caracara cheriway*)
		Big Cypress fox squirrel (*Sciurus niger avicennia*)

*Habitat surveyed for the species noted, although not required per the LDC.

PAI conducted the protected species survey for 10 days between May 11 and June 24, 2021. A summary of weather conditions during the protected species survey is provided in Table 3.

Table 3. Summary of Weather Conditions for the Protected Species Survey

Day	Temperature (°Fahrenheit)	Wind (mph)	Cloud Cover (Percent)
May 11, 2021	Mid- to High 80s	1-4 ESE	50-75
May 12, 2021	High 80s to Low 90s	9-13 WSW	15-50
May 14, 2021	High 70s to Low 80s	0-8 NE	0-50
May 18, 2021	Low 80s	15-21 ENE	50-75
May 25, 2021	Low to Mid-80s	6-9 NE	25-30
May 26, 2021	Mid- to High 80s	6 SE	50-60
May 28, 2021	Low to Mid-80s	0-7 SSW	0-25
June 11, 2021	Mid-80s to Low 90s	7-9 W	25-45
June 23, 2021	Mid-70s to Low 80s	0-6 S	100
June 24, 2021	Low 70s to Mid-80s	0-6 SE	10-90

The survey utilized meandering pedestrian transects per the WilsonMiller, Inc. methodology. Visibility on the surveyed habitats varied due to the density of vegetation. A summary of the limits of visibility, total length of transects walked, and percent coverage by habitat type is provided in Table 4. An aerial with approximate locations of walked transects and species locations is provided as Appendix B.

Table 4. Summary of Habitat Coverage

FLUCFCS Code	Description	Total Acres	Transect Length (Feet)	Average Visibility (Feet)**	Percent Coverage
211*	Improved Pasture	473.76	103,185	80	80
262*	Low Pasture	27.96	5,075	60	50
3219 E1	Palmetto Prairie, Disturbed (0-24% Exotics)	3.13	1,116	55	90
3219 E2	Palmetto Prairie, Disturbed (25-49% Exotics)	4.15	1,537	50	85
3219 E3	Palmetto Prairie, Disturbed (50-75% Exotics)	2.11	1,471	25	80
3219 E4*	Palmetto Prairie, Disturbed (76-100% Exotics)	0.73	318	20	40
4119 E1	Pine Flatwoods, Disturbed (0-24% Exotics)	53.32	20,904	50	90
4119 E2	Pine Flatwoods, Disturbed (25-49% Exotics)	28.79	11,844	45	85
4119 E3	Pine Flatwoods, Disturbed (50-75% Exotics)	2.64	1,150	40	80
4119 E4*	Pine Flatwoods, Disturbed (76-100% Exotics)	2.87	833	30	40
4159 E1	Pine, Disturbed (0-24% Exotics)	11.18	4,383	50	90
4159 E2	Pine, Disturbed (25-49% Exotics)	2.76	1,135	45	85
4159 E3	Pine, Disturbed (50-75% Exotics)	2.07	1,202	30	80
4159 E4*	Pine, Disturbed (76-100% Exotics)	1.51	592	25	45
422*	Brazilian Pepper	3.67	1,279	25	40
424*	Melaleuca	2.93	928	55	80
4241*	Melaleuca, Hydric	133.24	52,235	50	90
4279 E1	Live Oak, Disturbed (0-24% Exotics)	1.20	418	50	80
4281 E3	Cabbage Palm, Hydric (50-75% Exotics)	11.15	4,317	45	80
4349 E1	Hardwood/Conifer Mixed, Disturbed (0-24% Exotics)	6.52	2,248	60	95

Table 4. (Continued)

FLUCFCS Code	Description	Total Acres	Transect Length (Feet)	Average Visibility (Feet)**	Percent Coverage
4349 E2	Hardwood/Conifer Mixed, Disturbed (25-49% Exotics)	6.05	2,240	50	85
4349 E3	Hardwood/Conifer Mixed, Disturbed (50-75% Exotics)	7.39	3,219	40	80
4349 E4*	Hardwood/Conifer Mixed, Disturbed (76-100% Exotics)	2.49	1,356	30	75
4389 E1	Mixed Hardwoods, Disturbed (0-24% Exotics)	4.51	2,087	40	85
514*	Ditch	30.71	14,213	40	85
514H*	Ditch, Hydric	8.14	3,767	40	85
525*	Cow Pond	0.22	102	40	85
6179 E1	Mixed Wetland Hardwoods, Disturbed (0-24% Exotics)	30.69	14,204	40	85
6179 E2	Mixed Wetland Hardwoods, Disturbed (25-49% Exotics)	1.77	819	40	85
6179 E3	Mixed Wetland Hardwoods, Disturbed (50-75% Exotics)	1.48	737	35	80
6179 E4*	Mixed Wetland Hardwoods, Disturbed (76-100% Exotics)	3.35	1,642	20	45
6219 E1	Cypress, Disturbed (0-24% Exotics)	17.46	8,028	45	95
6219 E2	Cypress, Disturbed (25-49% Exotics)	48.22	22,317	40	85
6219 E3	Cypress, Disturbed (50-75% Exotics)	11.90	5,924	35	80
6219 E4*	Cypress, Disturbed (76-100% Exotics)	8.66	4,527	25	60
6259 E1	Pine, Hydric, Disturbed (0-24% Exotics)	1.37	597	45	90
6259 E2	Pine, Hydric, Disturbed (25-49% Exotics)	11.69	5,410	40	85
6259 E3	Pine, Hydric, Disturbed (50-75% Exotics)	25.38	12,635	35	80
6259 E4*	Pine, Hydric, Disturbed (76-100% Exotics)	1.72	749	25	50
6319 E2	Wetland Shrub, Disturbed (25-49% Exotics)	5.63	3,883	30	95
6419 E1	Freshwater Marsh, Disturbed (0-24% Exotics)	15.59	6,791	45	90
6419 E2	Freshwater Marsh, Disturbed (25-49% Exotics)	2.67	1,163	45	90

Table 4. (Continued)

FLUCFCS Code	Description	Total Acres	Transect Length (Feet)	Average Visibility (Feet)**	Percent Coverage
6419 E3	Freshwater Marsh, Disturbed (50-75% Exotics)	17.65	7,688	45	90
6419 E4*	Freshwater Marsh, Disturbed (76-100% Exotics)	126.88	55,269	45	90
6439 E3	Wet Prairie, Disturbed (50-75% Exotics)	7.24	3,351	40	85
6439 E4*	Wet Prairie, Disturbed (76-100% Exotics)	3.37	1,560	40	85
740*	Disturbed Land	6.47	2,975	45	95
7401*	Disturbed Land, Hydric	9.30	4,304	40	85
743*	Spoil Area	0.21	97	40	85
747*	Berm	39.18	18,133	40	85

*Habitat surveyed, although not required per the LDC.
**Average visibility to each side of the transect.

4.0 SURVEY RESULTS

A total of one (1) gopher tortoise (*Gopherus polyphemus*), two (2) crested caracara (*Caracara cheriway*), one (1) Florida sandhill crane (*Grus canadensis pratensis*), five (5) wood storks (*Mycteria americana*), six (6) Big Cypress fox squirrel (*Sciurus niger avicennia*), and Florida panther (*Puma concolor coryi*) tracks were observed on the Project site during the protected species survey. The gopher tortoise, Florida sandhill crane, and Big Cypress fox squirrel are listed as threatened by the Florida Fish and Wildlife Conservation Commission (FWCC) (2021). The crested caracara and wood stork are listed as federally threatened by the FWCC and the U.S. Fish and Wildlife Service (USFWS). The Florida panther is listed as federally endangered by the FWCC and the USFWS. A crested caracara nest was previously documented in the northern portion of the property. This nest was active during the 2020-2021 caracara nesting season. No other listed species nests or nesting activity were observed on the Project during the protected species survey. The locations of the gopher tortoise, crested caracara, crested caracara nest, Florida sandhill crane, wood stork, and Florida panther tracks are depicted on Appendix B.

No Lee County protected plant species were observed on the property during the protected species survey. However, the giant wild pine (*Tillandsia utriculata*), common wild pine (*Tillandsia fasciculata*), Northern needleleaf (*Tillandsia balbisiana*), butterfly orchid (*Encyclia tampensis*), and rigid orchid (*Epidendrum rigidum*) were documented on the site. Although not listed as Lee County protected species, the giant wild pine, common wild pine, and rigid orchid are listed as endangered by the Florida Department of Agriculture and Consumer Services (FDACS). The Northern needleleaf and butterfly orchid are listed by FDACS as threatened and commercially exploited, respectively. The locations of the listed plant species are depicted on Appendix B.

5.0 ABUNDANCE OF PROTECTED SPECIES OBSERVED

Density calculations are provided for each Lee County protected species documented within each habitat type during the protected species survey and additional fieldwork conducted on the Project site. Separate calculations are provided if more than one of the same protected species is observed within different habitat types. Please note that density estimates for are only provided for Lee County protected species.

The Lee County protected species abundance calculations are provided in Table 5, while Table 6 summarizes the protected species survey findings.

Table 5. Lee County Protected Species Abundance Calculations

Protected Species Density = $\{n\ (C)/[L\ (W_1+W_2)]\}\ (43{,}560\ ft^2/ac)$

Where n = number of individuals observed or active plus inactive gopher tortoise burrows
L = length of transect
W_1 = distance of visibility to the right of transect
W_2 = distance of visibility to the left of transect
C = gopher tortoise conversion factor (0.5)*

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*Used for gopher tortoise calculation only. Conversion only applied when gopher tortoise burrow, not gopher tortoise itself, is documented.

Gopher Tortoise (GT)
FLUCFCS Code 4119 E1
= $\{1\ GT/[(20{,}904\ ft)\ (50\ ft+50\ ft)]\}\ (43{,}560\ ft^2/ac)$
= $\{1/2{,}090{,}400\ ft^2\}\ (43{,}560\ ft^2/ac)$
= $(4 \times 10^{-7}\ ft^2)\ (43{,}560\ ft^2/ac)$
= 0.02 Gopher tortoises / acre

Wood Stork (WOST)
FLUCFCS Code 6419 E3
= $\{5\ WOST/[(7{,}688\ ft)\ (45\ ft+45\ ft)]\}\ (43{,}560\ ft^2/ac)$
= $\{5/691{,}920\ ft^2\}\ (43{,}560\ ft^2/ac)$
= $(7.2 \times 10^{-6}\ ft^2)\ (43{,}560\ ft^2/ac)$
= 0.31 Wood storks / acre

Crested Caracara (CRCA)
FLUCFCS Code 747
= $\{2\ CRCA/[(18{,}133\ ft)\ (40\ ft+40\ ft)]\}\ (43{,}560\ ft^2/ac)$
= $\{2/1{,}450{,}640\ ft^2\}\ (43{,}560\ ft^2/ac)$
= $(1.3 \times 10^{-6}\ ft^2)\ (43{,}560\ ft^2/ac)$
= 0.06 Crested caracaras / acre

Table 5. (Continued)

Crested Caracara Nest (CCNE)

FLUCFCS Code 211

= {1 CCNE/[(103,185 ft) (80 ft+80 ft)]} (43,560 ft^2/ac)
= {1/16,509,600 ft^2} (43,560 ft^2/ac)
= (6 x 10^{-8} ft^2) (43,560 ft^2/ac)
= 0.003 Crested caracara nests / acre

Big Cypress Fox Squirrel (BCFS)

FLUCFCS Code 4119 E1

= {1 BCFS/[(20,904 ft) (50 ft+50 ft)]} (43,560 ft^2/ac)
= {1/2,090,400 ft^2} (43,560 ft^2/ac)
= (4 x 10^{-7} ft^2) (43,560 ft^2/ac)
= 0.02 Big Cypress fox squirrels / acre

FLUCFCS Code 4241

= {2 BCFS/[(52,235 ft) (50 ft+50 ft)]} (43,560 ft^2/ac)
= {2/5,223,500 ft^2} (43,560 ft^2/ac)
= (3.9 x 10^{-7} ft^2) (43,560 ft^2/ac)
= 0.02 Big Cypress fox squirrels / acre

FLUCFCS Code 6179 E1

= {1 BCFS/[(14,204 ft) (40 ft+40 ft)]} (43,560 ft^2/ac)
= {1/1,136,320 ft^2} (43,560 ft^2/ac)
= (8 x 10^{-7} ft^2) (43,560 ft^2/ac)
= 0.04 Big Cypress fox squirrels / acre

FLUCFCS Code 747

= {2 BCFS/[(18,133 ft) (40 ft+40 ft)]} (43,560 ft^2/ac)
= {2/1,450,640 ft^2} (43,560 ft^2/ac)
= (1.3 x 10^{-6} ft^2) (43,560 ft^2/ac)
= 0.06 Big Cypress fox squirrels / acre

Florida Sandhill Crane (SACR)

FLUCFCS Code 211

= {1 SACR/[(103,185 ft) (80 ft+80 ft)]} (43,560 ft^2/ac)
= {1/16,509,600 ft^2} (43,560 ft^2/ac)
= (6 x 10^{-8} ft^2) (43,560 ft^2/ac)
= 0.003 Florida sandhill cranes / acre

Florida Panther Tracks (FPT)

FLUCFCS Code 6419 E4

= {1 FPT/[(55,269 ft) (45 ft+45 ft)]} (43,560 ft^2/ac)
= {1/4,974,210 ft^2} (43,560 ft^2/ac)
= (2 x 10^{-7} ft^2) (43,560 ft^2/ac)
= 0.01 Florida panther tracks / acre

Table 6. Lee County Protected Species Survey Summary

Protected Species	FLUCFCS Code/Area	Percent Area Surveyed	Present	Absent	Density (Per Acre)
Reptiles					
American Alligator (*Alligator mississippiensis*)	262	50		X	
	514	85		X	
	514H	85		X	
	525	85		X	
	6219 E1	95		X	
	6219 E2	85		X	
	6219 E3	80		X	
	6219 E4	60		X	
	6419 E1	90		X	
	6419 E2	90		X	
	6419 E3	90		X	
	6419 E4	90		X	
	7401	90		X	
Eastern indigo snake (*Drymarchon corais couperi*)	3219 E1	90		X	
	3219 E2	85		X	
	3219 E3	80		X	
	3219 E4	40		X	
	4119 E1	90		X	
	4119 E2	85		X	
	4119 E3	80		X	
	4119 E4	40		X	
	4159 E1	90		X	
	4159 E2	85		X	
	4159 E3	80		X	
	4159 E4	45		X	
	4279 E1	80		X	
	4281 E3	80		X	
Gopher Frog (*Lithobates capito*)	3219 E1	90		X	
	3219 E2	85		X	
	3219 E3	80		X	
	3219 E4	40		X	
	4119 E1	90		X	
	4119 E2	85		X	
	4119 E3	80		X	
	4119 E4	40		X	
	4159 E1	90		X	

Table 6. (Continued)

Protected Species	FLUCFCS Code/Area	Percent Area Surveyed	Present	Absent	Density (Per Acre)
Reptiles (Continued)					
Gopher Frog (*Lithobates capito*) (Continued)	4159 E2	85		X	
	4159 E3	80		X	
	4159 E4	45		X	
	4279 E1	80		X	
	4349 E1	95		X	
	4349 E2	85		X	
	4349 E3	80		X	
	4349 E4	75		X	
	6219 E1	95		X	
	6219 E2	85		X	
	6219 E3	80		X	
	6219 E4	60		X	
Gopher tortoise (*Gopherus polyphemus*)	211	80		X	
	3219 E1	90		X	
	3219 E2	85		X	
	3219 E3	80		X	
	3219 E4	40		X	
	4119 E1	90	X		0.02
	4119 E2	85		X	
	4119 E3	80		X	
	4119 E4	40		X	
	4159 E1	90		X	
	4159 E2	85		X	
	4159 E3	80		X	
	4159 E4	45		X	
	4279 E1	85		X	
	4349 E1	95		X	
	4349 E2	85		X	
	4349 E3	80		X	
	4349 E4	75		X	
	740	95		X	
	743	85		X	
	747	85		X	

Table 6. (Continued)

Protected Species	FLUCFCS Code/Area	Percent Area Surveyed	Present	Absent	Density (Per Acre)
Birds					
Burrowing owl (*Athene cunicularia floridana*)	211	80		X	
	740	95		X	
Crested caracara (*Caracara cheriway*)	211	80	X (nest)		0.003
	3219 E1	90		X	
	3219 E2	85		X	
	3219 E3	80		X	
	3219 E4	40		X	
	4281 E3	80		X	
	747	85	X		0.06
Florida sandhill crane (*Grus canadensis pratensis*)	211	80	X		0.003
	262	50		X	
	3219 E1	90		X	
	3219 E2	85		X	
	3219 E3	80		X	
	3219 E4	40		X	
	6419 E1	90		X	
	6419 E2	90		X	
	6419 E3	90		X	
	6419 E4	90		X	
Least Tern (*Sterna antillarum*)	514	85		X	
	514H	85		X	
	525	85		X	
Limpkin (*Aramus guarauna*)	262	50		X	
	514	85		X	
	514H	85		X	
	525	85		X	
	6179 E1	85		X	
	6179 E2	85		X	
	6179 E3	80		X	
	6179 E4	80		X	
	6219 E1	95		X	
	6219 E2	85		X	
	6219 E3	80		X	
	6219 E4	60		X	
	6419 E1	90		X	
	6419 E2	90		X	

Table 6. (Continued)

Protected Species	FLUCFCS Code/Area	Percent Area Surveyed	Present	Absent	Density (Per Acre)
Birds (Continued)					
Limpkin (*Aramus guarauna*) (Continued)	6419 E3	90		X	
	6419 E4	90		X	
	6439 E3	85		X	
	6439 E4	85		X	
Little Blue Heron (*Egretta caerulea*)	262	50		X	
	4241	90		X	
	514	85		X	
	514H	85		X	
	525	85		X	
	6179 E1	85		X	
	6179 E2	85		X	
	6179 E3	80		X	
	6179 E4	45		X	
	6219 E1	95		X	
	6219 E2	85		X	
	6219 E3	80		X	
	6219 E4	60		X	
	6259 E1	90		X	
	6259 E2	85		X	
	6259 E3	80		X	
	6259 E4	50		X	
	6319 E2	95		X	
	6419 E1	90		X	
	6419 E2	90		X	
	6419 E3	90		X	
	6419 E4	90		X	
	6439 E3	85		X	
	6439 E4	85		X	
	7401	85		X	
Red-Cockaded Woodpecker (*Picoides borealis*)	4119 E1	90		X	
	4119 E2	85		X	
	4119 E3	80		X	
	4119 E4	40		X	
	4159 E1	90		X	
	4159 E2	85		X	
	4159 E3	80		X	

Table 6. (Continued)

Protected Species	FLUCFCS Code/Area	Percent Area Surveyed	Present	Absent	Density (Per Acre)
Birds (Continued)					
Red-Cockaded Woodpecker (*Picoides borealis*) (Continued)	4159 E4	45		X	
	6259 E1	90		X	
	6259 E2	85		X	
	6259 E3	80		X	
	6259 E4	50		X	
Reddish Egret (*Egretta rufescens*)	262	50		X	
	514	85		X	
	514H	85		X	
	525	85		X	
	6419 E1	90		X	
	6419 E2	90		X	
	6419 E3	90		X	
	6419 E4	90		X	
	6439 E3	85		X	
	6439 E4	85		X	
	7401	85		X	
Roseate Spoonbill (*Platalea ajaja*)	262	50		X	
	514	85		X	
	514H	85		X	
	525	85		X	
	6419 E1	90		X	
	6419 E2	90		X	
	6419 E3	90		X	
	6419 E4	90		X	
	6439 E3	85		X	
	6439 E4	85		X	
Snail Kite (*Rostrhamus sociabilis*)	262	50		X	
	514	85		X	
	525	85		X	
	6419 E1	90		X	
	6419 E2	90		X	
	6419 E3	90		X	
	6419 E4	90		X	
	6439 E3	85		X	
	6439 E4	85		X	

Table 6. (Continued)

Protected Species	FLUCFCS Code/Area	Percent Area Surveyed	Present	Absent	Density (Per Acre)
Birds (Continued)					
Snowy Egret (*Egretta thula*)	262	50		X	
	4241	90		X	
	514	85		X	
	514H	85		X	
	525	85		X	
	6179 E1	85		X	
	6179 E2	85		X	
	6179 E3	80		X	
	6179 E4	45		X	
	6219 E1	95		X	
	6219 E2	85		X	
	6219 E3	80		X	
	6219 E4	60		X	
	6259 E1	90		X	
	6259 E2	85		X	
	6259 E3	80		X	
	6259 E4	50		X	
	6319 E2	95		X	
	6419 E1	90		X	
	6419 E2	90		X	
	6419 E3	90		X	
	6419 E4	90		X	
	6439 E3	85		X	
	6439 E4	85		X	
	7401	85		X	
Southeastern American Kestrel (*Falco sparverius paulus*)	3219 E1	90		X	
	3219 E2	85		X	
	3219 E3	80		X	
	3219 E4	40		X	
	4119 E1	90		X	
	4119 E2	85		X	
	4119 E3	80		X	
	4119 E4	40		X	
	4159 E1	90		X	
	4159 E2	85		X	
	4159 E3	80		X	

Table 6. (Continued)

Protected Species	FLUCFCS Code/Area	Percent Area Surveyed	Present	Absent	Density (Per Acre)
Birds (Continued)					
Southeastern American Kestrel (*Falco sparverius paulus*) (Continued)	4159 E4	45		X	
	6259 E1	90		X	
	6259 E2	85		X	
	6259 E3	80		X	
	6259 E4	50		X	
Tri-Colored Heron (*Egretta tricolor*)	262	50		X	
	4241	90		X	
	514	85		X	
	514H	85		X	
	525	85		X	
	6179 E1	85		X	
	6179 E2	85		X	
	6179 E3	80		X	
	6179 E4	45		X	
	6219 E1	95		X	
	6219 E2	85		X	
	6219 E3	80		X	
	6219 E4	60		X	
	6259 E1	90		X	
	6259 E2	85		X	
	6259 E3	80		X	
	6259 E4	50		X	
	6319 E2	95		X	
	6419 E1	90		X	
	6419 E2	90		X	
	6419 E3	90		X	
	6419 E4	90		X	
	6439 E3	85		X	
	6439 E4	85		X	
	7401	85		X	
Wood Stork (*Mycteria americana*)	262	50		X	
	514	85		X	
	514H	85		X	
	525	85		X	
	6219 E1	95		X	
	6219 E2	85		X	

Table 6. (Continued)

Protected Species	FLUCFCS Code/Area	Percent Area Surveyed	Present	Absent	Density (Per Acre)
Birds (Continued)					
Wood Stork (*Mycteria americana*) (Continued)	6219 E3	80		X	
	6219 E4	60		X	
	6319 E2	95		X	
	6419 E1	90		X	
	6419 E2	90		X	
	6419 E3	90	X		0.31
	6419 E4	90		X	
	6439 E3	85		X	
	6439 E4	85		X	
	7401	85		X	
Mammals					
Big Cypress Fox Squirrel (*Sciurus niger avicennia*)	4119 E1	90	X		0.02
	4119 E2	85		X	
	4119 E3	80		X	
	4119 E4	40		X	
	4159 E1	90		X	
	4159 E2	85		X	
	4159 E3	80		X	
	4159 E4	45		X	
	424	80		X	
	4241	90	X		0.02
	4279 E1	80		X	
	4349 E1	95		X	
	4349 E2	85		X	
	4349 E3	80		X	
	4349 E4	75		X	
	4389 E1	85		X	
	6179 E1	85	X		0.04
	6179 E2	85		X	
	6179 E3	80		X	
	6179 E4	45		X	
	6219 E1	95		X	
	6219 E2	85		X	
	6219 E3	80		X	
	6219 E4	60		X	
	6259 E1	90		X	

Table 6. (Continued)

Protected Species	FLUCFCS Code/Area	Percent Area Surveyed	Present	Absent	Density (Per Acre)
Mammals (Continued)					
Big Cypress Fox Squirrel (*Sciurus niger avicennia*) (Continued)	6259 E2	85		X	
	6259 E3	80		X	
	6259 E4	50		X	
	747	85	X		0.06
Everglades Mink (*Mustela vison evergladensis*)	262	50		X	
	514	85		X	
	514H	85		X	
	525	85		X	
	6179 E1	85		X	
	6179 E2	85		X	
	6179 E3	80		X	
	6179 E4	45		X	
	6219 E1	95		X	
	6219 E2	85		X	
	6219 E3	80		X	
	6219 E4	60		X	
	6319 E2	95		X	
	6419 E1	90		X	
	6419 E2	90		X	
	6419 E3	90		X	
	6419 E4	90		X	
	6439 E3	85		X	
	6439 E4	85		X	
Florida Black Bear (*Ursus americanus floridanus*)	3219 E1	90		X	
	3219 E2	85		X	
	3219 E3	80		X	
	3219 E4	40		X	
	4119 E1	90		X	
	4119 E2	85		X	
	4119 E3	80		X	
	4119 E4	40		X	
	4159 E1	90		X	
	4159 E2	85		X	
	4159 E3	80		X	
	4159 E4	45		X	
	422	40		X	

Table 6. (Continued)

Protected Species	FLUCFCS Code/Area	Percent Area Surveyed	Present	Absent	Density (Per Acre)
Mammals (Continued)					
Florida Black Bear (*Ursus americanus floridanus*) (Continued)	4279 E1	80		X	
	4281 E3	80		X	
	4349 E1	95		X	
	4349 E2	85		X	
	4349 E3	80		X	
	4349 E4	75		X	
	4389 E1	85		X	
	6179 E1	85		X	
	6179 E2	85		X	
	6179 E3	80		X	
	6179 E4	45		X	
	6219 E1	95		X	
	6219 E2	85		X	
	6219 E3	80		X	
	6219 E4	60		X	
	6259 E1	90		X	
	6259 E2	85		X	
	6259 E3	80		X	
	6259 E4	50		X	
	6319 E2	95		X	
	3219 E1	90		X	
	3219 E2	85		X	
	3219 E3	80		X	
	3219 E4	40		X	
	4119 E1	90		X	
	4119 E2	85		X	
	4119 E3	80		X	
	4119 E4	40		X	
	4159 E1	90		X	
	4159 E2	85		X	
	4159 E3	80		X	
Florida Panther (tracks) (*Puma concolor coryi*)	3219 E1	90		X	
	3219 E2	85		X	
	3219 E3	80		X	
	3219 E4	40		X	

Table 6. (Continued)

Protected Species	FLUCFCS Code/Area	Percent Area Surveyed	Present	Absent	Density (Per Acre)
Mammals (Continued)					
Florida Panther (tracks) (*Puma concolor coryi*) (Continued)	4119 E1	90		X	
	4119 E2	85		X	
	4119 E3	80		X	
	4119 E4	40		X	
	4159 E1	90		X	
	4159 E2	85		X	
	4159 E3	80		X	
	4159 E4	45		X	
	4279 E1	80		X	
	4281 E3	80		X	
	4349 E1	95		X	
	4349 E2	85		X	
	4349 E3	80		X	
	4349 E4	75		X	
	4389 E1	85		X	
	6179 E1	85		X	
	6179 E2	85		X	
	6179 E3	80		X	
	6179 E4	45		X	
	6219 E1	95		X	
	6219 E2	85		X	
	6219 E3	80		X	
	6219 E4	60		X	
	6259 E1	90		X	
	6259 E2	85		X	
	6259 E3	80		X	
	6259 E4	50		X	
	6319 E2	95		X	
	6419 E1	90		X	
	6419 E2	90		X	
	6419 E3	90		X	
	6419 E4	90	X		0.01
	6439 E3	85		X	
	6439 E4	85		X	

6.0 MANAGEMENT ACTIVITIES

Prior to the issuance of a development order, a protected species management plan per LDC 10-474 will be prepared and submitted to the Department of Community Development as part of the Lee County review process for the Project. The protected species management plan will outline protection measures for the protected species documented on the Project site.

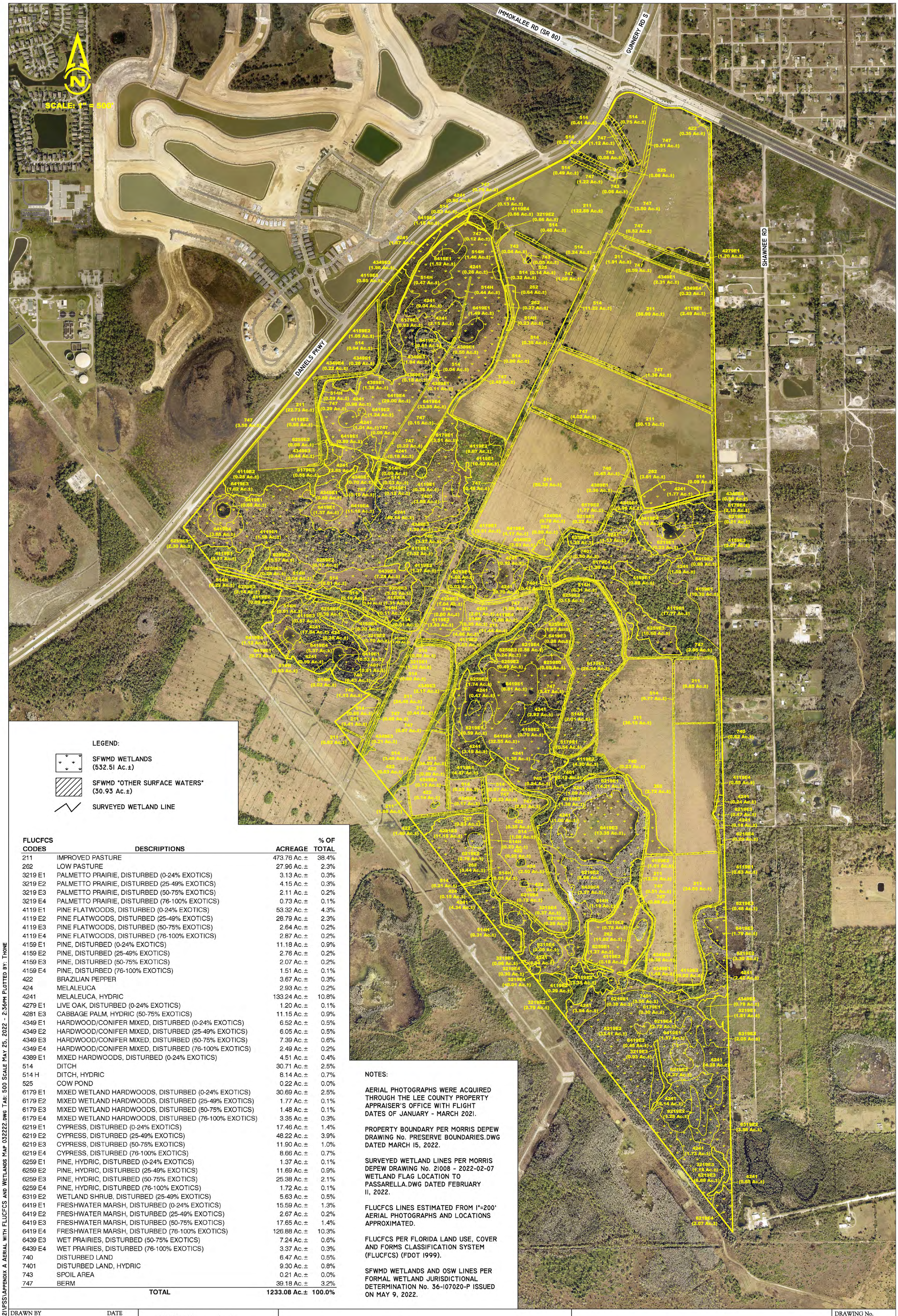
7.0 REFERENCES

Florida Department of Transportation. 1999. Florida Land Use, Cover and Forms Classification System (FLUCFCS). Procedure No. 550-010-001-a. Third Edition.

Florida Fish and Wildlife Conservation Commission. 2021. Florida's Endangered Species, Threatened Species and Species of Special Concern. Official Lists. Florida Fish and Wildlife Conservation Commission. Tallahassee, Florida.

APPENDIX A

AERIAL WITH FLUCFCS AND WETLANDS MAP



LEGEND:

SFWMD WETLANDS (532.51 Ac.±)

SFWMD "OTHER SURFACE WATERS" (30.93 Ac.±)

SURVEYED WETLAND LINE

FLUCFCS CODES	DESCRIPTIONS	ACREAGE	% OF TOTAL
211	IMPROVED PASTURE	473.76 Ac.±	38.4%
262	LOW PASTURE	27.96 Ac.±	2.3%
3219 E1	PALMETTO PRAIRIE, DISTURBED (0-24% EXOTICS)	3.13 Ac.±	0.3%
3219 E2	PALMETTO PRAIRIE, DISTURBED (25-49% EXOTICS)	4.15 Ac.±	0.3%
3219 E3	PALMETTO PRAIRIE, DISTURBED (50-75% EXOTICS)	2.11 Ac.±	0.2%
3219 E4	PALMETTO PRAIRIE, DISTURBED (76-100% EXOTICS)	0.73 Ac.±	0.1%
4119 E1	PINE FLATWOODS, DISTURBED (0-24% EXOTICS)	53.32 Ac.±	4.3%
4119 E2	PINE FLATWOODS, DISTURBED (25-49% EXOTICS)	28.79 Ac.±	2.3%
4119 E3	PINE FLATWOODS, DISTURBED (50-75% EXOTICS)	2.64 Ac.±	0.2%
4119 E4	PINE FLATWOODS, DISTURBED (76-100% EXOTICS)	2.87 Ac.±	0.2%
4159 E1	PINE, DISTURBED (0-24% EXOTICS)	11.18 Ac.±	0.9%
4159 E2	PINE, DISTURBED (25-49% EXOTICS)	2.76 Ac.±	0.2%
4159 E3	PINE, DISTURBED (50-75% EXOTICS)	2.07 Ac.±	0.2%
4159 E4	PINE, DISTURBED (76-100% EXOTICS)	1.51 Ac.±	0.1%
422	BRAZILIAN PEPPER	3.67 Ac.±	0.3%
424	MELALEUCA	2.93 Ac.±	0.2%
4241	MELALEUCA, HYDRIC	133.24 Ac.±	10.8%
4279 E1	LIVE OAK, DISTURBED (0-24% EXOTICS)	1.20 Ac.±	0.1%
4281 E3	CABBAGE PALM, HYDRIC (50-75% EXOTICS)	11.15 Ac.±	0.9%
4349 E1	HARDWOOD/CONIFER MIXED, DISTURBED (0-24% EXOTICS)	6.52 Ac.±	0.5%
4349 E2	HARDWOOD/CONIFER MIXED, DISTURBED (25-49% EXOTICS)	6.05 Ac.±	0.5%
4349 E3	HARDWOOD/CONIFER MIXED, DISTURBED (50-75% EXOTICS)	7.39 Ac.±	0.6%
4349 E4	HARDWOOD/CONIFER MIXED, DISTURBED (76-100% EXOTICS)	2.49 Ac.±	0.2%
4389 E1	MIXED HARDWOODS, DISTURBED (0-24% EXOTICS)	4.51 Ac.±	0.4%
514	DITCH	30.71 Ac.±	2.5%
514 H	DITCH, HYDRIC	8.14 Ac.±	0.7%
525	COW POND	0.22 Ac.±	0.0%
6179 E1	MIXED WETLAND HARDWOODS, DISTURBED (0-24% EXOTICS)	30.69 Ac.±	2.5%
6179 E2	MIXED WETLAND HARDWOODS, DISTURBED (25-49% EXOTICS)	1.77 Ac.±	0.1%
6179 E3	MIXED WETLAND HARDWOODS, DISTURBED (50-75% EXOTICS)	1.48 Ac.±	0.1%
6179 E4	MIXED WETLAND HARDWOODS, DISTURBED (76-100% EXOTICS)	3.35 Ac.±	0.3%
6219 E1	CYPRESS, DISTURBED (0-24% EXOTICS)	17.46 Ac.±	1.4%
6219 E2	CYPRESS, DISTURBED (25-49% EXOTICS)	48.22 Ac.±	3.9%
6219 E3	CYPRESS, DISTURBED (50-75% EXOTICS)	11.90 Ac.±	1.0%
6219 E4	CYPRESS, DISTURBED (76-100% EXOTICS)	8.66 Ac.±	0.7%
6259 E1	PINE, HYDRIC, DISTURBED (0-24% EXOTICS)	1.37 Ac.±	0.1%
6259 E2	PINE, HYDRIC, DISTURBED (25-49% EXOTICS)	11.69 Ac.±	0.9%
6259 E3	PINE, HYDRIC, DISTURBED (50-75% EXOTICS)	25.38 Ac.±	2.1%
6259 E4	PINE, HYDRIC, DISTURBED (76-100% EXOTICS)	1.72 Ac.±	0.1%
6319 E2	WETLAND SHRUB, DISTURBED (25-49% EXOTICS)	5.63 Ac.±	0.5%
6419 E1	FRESHWATER MARSH, DISTURBED (0-24% EXOTICS)	15.59 Ac.±	1.3%
6419 E2	FRESHWATER MARSH, DISTURBED (25-49% EXOTICS)	2.67 Ac.±	0.2%
6419 E3	FRESHWATER MARSH, DISTURBED (50-75% EXOTICS)	17.65 Ac.±	1.4%
6419 E4	FRESHWATER MARSH, DISTURBED (76-100% EXOTICS)	126.88 Ac.±	10.3%
6439 E3	WET PRAIRIES, DISTURBED (50-75% EXOTICS)	7.24 Ac.±	0.6%
6439 E4	WET PRAIRIES, DISTURBED (76-100% EXOTICS)	3.37 Ac.±	0.3%
740	DISTURBED LAND	6.47 Ac.±	0.5%
7401	DISTURBED LAND, HYDRIC	9.30 Ac.±	0.8%
743	SPOIL AREA	0.21 Ac.±	0.0%
747	BERM	39.18 Ac.±	3.2%
	TOTAL	**1233.08 Ac.±**	**100.0%**

NOTES:

AERIAL PHOTOGRAPHS WERE ACQUIRED THROUGH THE LEE COUNTY PROPERTY APPRAISER'S OFFICE WITH FLIGHT DATES OF JANUARY - MARCH 2021.

PROPERTY BOUNDARY PER MORRIS DEPEW DRAWING No. PRESERVE BOUNDARIES.DWG DATED MARCH 15, 2022.

SURVEYED WETLAND LINES PER MORRIS DEPEW DRAWING No. 21008 - 2022-02-07 WETLAND FLAG LOCATION TO PASSARELLA.DWG DATED FEBRUARY 11, 2022.

FLUCFCS LINES ESTIMATED FROM 1"=200' AERIAL PHOTOGRAPHS AND LOCATIONS APPROXIMATED.

FLUCFCS PER FLORIDA LAND USE, COVER AND FORMS CLASSIFICATION SYSTEM (FLUCFCS) (FDOT 1999).

SFWMD WETLANDS AND OSW LINES PER FORMAL WETLAND JURISDICTIONAL DETERMINATION No. 36-107020-P ISSUED ON MAY 9, 2022.

J:\2019\19LL3192\2021\PSS\APPENDIX A AERIAL WITH FLUCFCS AND WETLANDS MAP 032222.DWG TAB: 500 SCALE MAY 25, 2022 - 2:36PM PLOTTED BY: THONE

DRAWN BY	DATE
P.F./T.S.	3/22/22
DESIGNED BY	DATE
J.T./B.T.	3/22/22
REVISED	DATE

13620 Metropolis Avenue
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Passarella & Associates, Inc.
Consulting Ecologists

DANIELS PARKWAY SOUTH

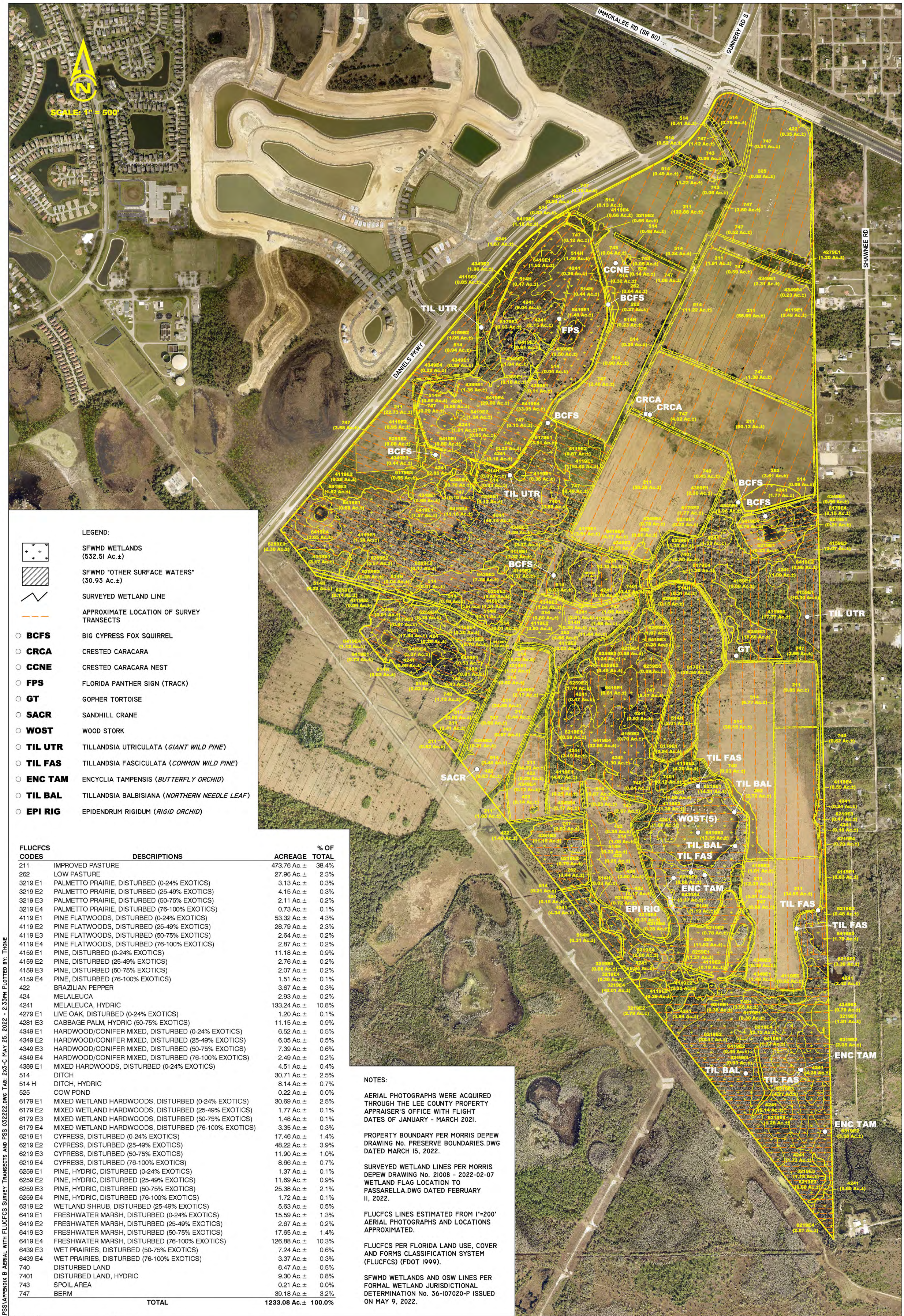
AERIAL WITH FLUCFCS AND WETLANDS MAP

DRAWING No. 19lll3192

SHEET No. APPENDIX A

APPENDIX B

AERIAL WITH FLUCFCS, SURVEY TRANSECTS, AND PROTECTED SPECIES LOCATIONS



LEGEND:

- SFWMD WETLANDS (532.51 Ac.±)
- SFWMD "OTHER SURFACE WATERS" (30.93 Ac.±)
- SURVEYED WETLAND LINE
- APPROXIMATE LOCATION OF SURVEY TRANSECTS
- **BCFS** BIG CYPRESS FOX SQUIRREL
- **CRCA** CRESTED CARACARA
- **CCNE** CRESTED CARACARA NEST
- **FPS** FLORIDA PANTHER SIGN (TRACK)
- **GT** GOPHER TORTOISE
- **SACR** SANDHILL CRANE
- **WOST** WOOD STORK
- **TIL UTR** TILLANDSIA UTRICULATA (*GIANT WILD PINE*)
- **TIL FAS** TILLANDSIA FASCICULATA (*COMMON WILD PINE*)
- **ENC TAM** ENCYCLIA TAMPENSIS (*BUTTERFLY ORCHID*)
- **TIL BAL** TILLANDSIA BALBISIANA (*NORTHERN NEEDLE LEAF*)
- **EPI RIG** EPIDENDRUM RIGIDUM (*RIGID ORCHID*)

FLUCFCS CODES	DESCRIPTIONS	ACREAGE	% OF TOTAL
211	IMPROVED PASTURE	473.76 Ac.±	38.4%
262	LOW PASTURE	27.96 Ac.±	2.3%
3219 E1	PALMETTO PRAIRIE, DISTURBED (0-24% EXOTICS)	3.13 Ac.±	0.3%
3219 E2	PALMETTO PRAIRIE, DISTURBED (25-49% EXOTICS)	4.15 Ac.±	0.3%
3219 E3	PALMETTO PRAIRIE, DISTURBED (50-75% EXOTICS)	2.11 Ac.±	0.2%
3219 E4	PALMETTO PRAIRIE, DISTURBED (76-100% EXOTICS)	0.73 Ac.±	0.1%
4119 E1	PINE FLATWOODS, DISTURBED (0-24% EXOTICS)	53.32 Ac.±	4.3%
4119 E2	PINE FLATWOODS, DISTURBED (25-49% EXOTICS)	28.79 Ac.±	2.3%
4119 E3	PINE FLATWOODS, DISTURBED (50-75% EXOTICS)	2.64 Ac.±	0.2%
4119 E4	PINE FLATWOODS, DISTURBED (76-100% EXOTICS)	2.87 Ac.±	0.2%
4159 E1	PINE, DISTURBED (0-24% EXOTICS)	11.18 Ac.±	0.9%
4159 E2	PINE, DISTURBED (25-49% EXOTICS)	2.76 Ac.±	0.2%
4159 E3	PINE, DISTURBED (50-75% EXOTICS)	2.07 Ac.±	0.2%
4159 E4	PINE, DISTURBED (76-100% EXOTICS)	1.51 Ac.±	0.1%
422	BRAZILIAN PEPPER	3.67 Ac.±	0.3%
424	MELALEUCA	2.93 Ac.±	0.2%
4241	MELALEUCA, HYDRIC	133.24 Ac.±	10.8%
4279 E1	LIVE OAK, DISTURBED (0-24% EXOTICS)	1.20 Ac.±	0.1%
4281 E3	CABBAGE PALM, HYDRIC (50-75% EXOTICS)	11.15 Ac.±	0.9%
4349 E1	HARDWOOD/CONIFER MIXED, DISTURBED (0-24% EXOTICS)	6.52 Ac.±	0.5%
4349 E2	HARDWOOD/CONIFER MIXED, DISTURBED (25-49% EXOTICS)	6.05 Ac.±	0.5%
4349 E3	HARDWOOD/CONIFER MIXED, DISTURBED (50-75% EXOTICS)	7.39 Ac.±	0.6%
4349 E4	HARDWOOD/CONIFER MIXED, DISTURBED (76-100% EXOTICS)	2.49 Ac.±	0.2%
4389 E1	MIXED HARDWOODS, DISTURBED (0-24% EXOTICS)	4.51 Ac.±	0.4%
514	DITCH	30.71 Ac.±	2.5%
514 H	DITCH, HYDRIC	8.14 Ac.±	0.7%
525	COW POND	0.22 Ac.±	0.0%
6179 E1	MIXED WETLAND HARDWOODS, DISTURBED (0-24% EXOTICS)	30.69 Ac.±	2.5%
6179 E2	MIXED WETLAND HARDWOODS, DISTURBED (25-49% EXOTICS)	1.77 Ac.±	0.1%
6179 E3	MIXED WETLAND HARDWOODS, DISTURBED (50-75% EXOTICS)	1.48 Ac.±	0.1%
6179 E4	MIXED WETLAND HARDWOODS, DISTURBED (76-100% EXOTICS)	3.35 Ac.±	0.3%
6219 E1	CYPRESS, DISTURBED (0-24% EXOTICS)	17.46 Ac.±	1.4%
6219 E2	CYPRESS, DISTURBED (25-49% EXOTICS)	48.22 Ac.±	3.9%
6219 E3	CYPRESS, DISTURBED (50-75% EXOTICS)	11.90 Ac.±	1.0%
6219 E4	CYPRESS, DISTURBED (76-100% EXOTICS)	8.66 Ac.±	0.7%
6259 E1	PINE, HYDRIC, DISTURBED (0-24% EXOTICS)	1.37 Ac.±	0.1%
6259 E2	PINE, HYDRIC, DISTURBED (25-49% EXOTICS)	11.69 Ac.±	0.9%
6259 E3	PINE, HYDRIC, DISTURBED (50-75% EXOTICS)	25.38 Ac.±	2.1%
6259 E4	PINE, HYDRIC, DISTURBED (76-100% EXOTICS)	1.72 Ac.±	0.1%
6319 E2	WETLAND SHRUB, DISTURBED (25-49% EXOTICS)	5.63 Ac.±	0.5%
6419 E1	FRESHWATER MARSH, DISTURBED (0-24% EXOTICS)	15.59 Ac.±	1.3%
6419 E2	FRESHWATER MARSH, DISTURBED (25-49% EXOTICS)	2.67 Ac.±	0.2%
6419 E3	FRESHWATER MARSH, DISTURBED (50-75% EXOTICS)	17.65 Ac.±	1.4%
6419 E4	FRESHWATER MARSH, DISTURBED (76-100% EXOTICS)	126.88 Ac.±	10.3%
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	TOTAL	**1233.08 Ac.±**	**100.0%**

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PROPERTY BOUNDARY PER MORRIS DEPEW DRAWING No. PRESERVE BOUNDARIES.DWG DATED MARCH 15, 2022.

SURVEYED WETLAND LINES PER MORRIS DEPEW DRAWING No. 21008 - 2022-02-07 WETLAND FLAG LOCATION TO PASSARELLA.DWG DATED FEBRUARY 11, 2022.

FLUCFCS LINES ESTIMATED FROM 1"=200' AERIAL PHOTOGRAPHS AND LOCATIONS APPROXIMATED.

FLUCFCS PER FLORIDA LAND USE, COVER AND FORMS CLASSIFICATION SYSTEM (FLUCFCS) (FDOT 1999).

SFWMD WETLANDS AND OSW LINES PER FORMAL WETLAND JURISDICTIONAL DETERMINATION No. 36-107020-P ISSUED ON MAY 9, 2022.

J:\2019\19LLL3192\2021\PSS\APPENDIX B AERIAL WITH FLUCFCS SURVEY TRANSECTS AND PSS 032222.DWG TAB: 2X3-C MAY 25, 2022 - 2:33PM PLOTTED BY: THONE

DRAWN BY	P.F./T.S.
DATE	9/7/21
DESIGNED BY	C.R./J.T.
DATE	9/7/21
REVISED	T.S.
DATE	3/22/22

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DANIELS PARKWAY SOUTH

AERIAL WITH FLUCFCS, SURVEY TRANSECTS, AND PROTECTED SPECIES LOCATIONS

DRAWING No. 19lll3192

SHEET No. APPENDIX B

ATTACHMENT 5

DANIELS PARKWAY SOUTH
COMPREHENSIVE PLAN AMENDMENTS
CPA2021-00017 & CPA2021-00018

INTEGRATED GROUNDWATER / SURFACE WATER ANALYSIS

[September 9, 2022]

EXHIBIT A

OF INTEGRATED GROUNDWATER / SURFACE WATER ANALYSIS

DRAINAGE REPORT

MORRIS DEPEW
ENGINEERS · PLANNERS · SURVEYORS
LANDSCAPE ARCHITECTS

2914 Cleveland Avenue | Fort Myers, Florida 33901
Phone (239) 337-3993 | Toll Free (866) 337-7341
www.morris-depew.com

Drainage Report
Amended August 2022

Daniels South
Fort Myers Florida, Florida

Prepared for:
Lennar Homes
10541 Ben C Pratt Six Mile Cypress Pkwy
Fort Myers, FL 33966

Prepared By:

Mark Howell, PE # 63086

&

Ryan M. Shute, PE # 54597

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EXECUTIVE SUMMARY

Daniels South is a proposed 1,233-acre residential and commercial development located southeast of the intersection of Daniels Parkway and SR 82. The property spans multiple future land use categories and community planning areas. As a result, a text and map amendment to the Lee Plan and concurrent Mixed Use Planned Development are proposed to establish a uniform development pattern for the overall project.

Due to the proposed amendments within the Density Reduction/Groundwater Resource Future Land Use and Southeast Lee Community Planning Area an integrated surface and groundwater model has been developed to evaluate the current conditions of the property and proposed development. Historic flow patterns in this area were altered by the construction of a farm road during previous agricultural operations on the property. The farm road is a basin divide that hydrologically bisects the property into basins either heading west towards Six Mile Cypress or east and south towards the Estero River. As detailed in the following report, the proposed development provides a hydrologic benefit to the region by providing a man-made conveyance connection between the Six Mile Cypress and Estero River Watersheds. This connection will restore historic surface water flow patterns during high rainfall events, which is consistent with Policy 33.1.4 of the Lee County Comprehensive Plan. The connection will be made via a proposed control structure and 24" conveyance pipe between the two watersheds.

Due to the proximity of the property to the Southwest Florida International Airport and their prohibition on wildlife attractants, large scale flow-way restoration is not proposed. Rather, the existing and extensive network of ditches and berms that partition the wetland systems on-site and a historic farm road which bisects the property and reduces hydrologic connectivity are proposed to be removed within the development area. After removal of the berms and ditches, the former farming infrastructure will be re-graded to match the adjacent natural grade and planted with native vegetation.

To evaluate the surface water conditions for the project, pre-development and post development surface water analysis were developed for 2.33 year, 10 year, 25 year, and 100 year rainfall events. The conclusions of the integrated model demonstrate that there is capacity for the project to convey stormwater during events that exceed the SFWMD 10-year 1-day storm event and in a direction that reflects historic flow patterns. Historic flow patterns would have allowed the surface flow to cross watershed basin divides during high rainfall events. The maximum discharge rate of the entire site will be reduced while maintaining historic flow patterns ensuring no adverse impacts to nearby properties. The 2.33-year 1-day modeling shows that wetland hydroperiods will not be impacted by the proposed project. Additionally, the recharge conditions of the integrated model for the proposed project are greater than Existing Conditions by 94 acre-feet; enhancing water resources through increased groundwater recharge. Therefore, the project is consistent with Lee Plan Policy 1.4.5 and 33.1.7.

INTRODUCTION

Daniels South is a proposed 1,233-acre property located southeast of the intersection of Daniels Parkway and SR82 in Lee County, Florida. At full buildout, the project will consist of a residential community, multiple commercial properties, amenity areas and supporting infrastructure. The existing parcels are composed of existing agricultural lands. Approximately 679.10 acres will be preserved and/or restored to natural upland and wetland habitat. The property is bordered on the north by SR82 which is a defined as an upper end watershed boundary for both the Six Mile Cypress and Estero River watersheds. An existing farm road within the project defines the watershed divide between the two watersheds. The project is further bounded on the west by Daniels Parkway, the east by existing residential lots, and the south by Southwest Florida International Airport.

As a requirement of the concurrent Comprehensive Plan Amendment (CPA2021-00017 & 2021-00018) and Mixed Use Planned Development (DCI2022-00002) applications and to demonstrate consistency with Density Reduction Groundwater Resources Future Land Use, the project must be designed to provide a hydrologic model and report demonstrating interconnecting basins to re-establish historical hydraulic flow-ways. Per Policies 1.45 and 33.1.7 of the Lee Plan, the project must demonstrate potential impacts on surface and groundwater resources have been analyzed utilizing an integrated surface and groundwater model with site specific data. This integrated model has been prepared by Progressive Water Resources and is included as Appendix L of this report.

As part of the Comprehensive Plan Amendment (CPA2021-00017 & CPA2021-00018) a text amendment is proposed to offer a density incentive based upon regional benefits of reducing peak discharge rates and increasing groundwater recharge provided by the project's improvements. These additional benefits include a man-made hydraulic connection at the middle of the project's basin divide line between Six Mile Cypress and Estero River Basins. The connection is intended to partially restore flow patterns that were altered by the construction of a farm road used agricultural activities in the project area. The farm road was constructed along a slightly higher land feature that divided the two watersheds and altered the elevations of the area from historic natural ground conditions. In natural ground conditions, surface water would have the ability to flow across the higher land feature thereby connecting the watersheds during larger rainfall events. This improvement will provide additional flow to the Estero Basin during high run off rainfall events by installing a control structure with a conveyance pipe that will allow surface water to flow across the watershed basin divide. The control structure is set at an elevation above the wet season water table to ensure that wetland surface elevations do not decrease from existing conditions in compliance with policy 126.1.4.

The detailed analysis for the proposed flow-path system considers this man-made hydraulic connection, which is discussed in the Daniels South Proposed Conditions Flow Path Analysis. To evaluate the proposed hydrologic and hydraulic condition of a flow path and the proposed design for those areas, the following hydrological models were conducted:

- **Existing Conditions Hydrologic/Hydraulic 1D Model:**

  The purpose of this model was to determine the existing surface water that discharges off the existing site to the current outfall locations (Six Mile Cypress & Estero River). The Existing Conditions model was established using the Interconnected Channel and Pond Routing, Version 4.07.08, software and simulates the following design storms:

  - 2.33-year 1-day
  - 10-year, 1 day
  - 25-year, 3-day
  - 100-year, 3-day

- **Proposed Conditions Hydrologic/Hydraulic 1D Model:**

  The purpose of this model is to determine the effects of the proposed development to the existing parameters established in the existing model. The model will compare its results to the Existing Conditions model which include max discharge rates, max stages, and flow path conveyance from the Six Mile Cypress Basin to Estero River Basin. The Proposed Conditions model simulates the following design storms:

  - 2.33-year 1-day
  - 10-year, 1 day
  - 25-year, 3-day
  - 100-year, 3-day

MODELING SOFTWARE AND HYDRAULIC/HYDROLOGIC PARAMETERS

The software used to create the hydrologic and hydraulic models is Interconnected Channel and Pond Routing, Version 4.07.08, known as ICPR4. ICPR4 is a fully integrated 1D/2D surface and groundwater modeling platform. ICPR4 is widely used and accepted modeling platform throughout Florida for simulating hydrologic and hydraulic analyses. The ICPR4 platform is not limited with the number of model elements and is therefore well suited to utilize for a detailed model of the existing and proposed infrastructure systems within the Daniels South project boundaries.

Topographic Data Existing Conditions

The first parameter for review is the topographic data available and used for the modeling application. The Existing Conditions model relied on both field surveying using GPS equipment and the latest LIDAR available from Lee County GIS. Elevations within the project boundaries range from 20.24 to 29.08 NAVD. Higher elevations occur on the north side of the project that runs adjacent to SR82 and lower elevations occur in the wetlands. Topographic data indicates that the project area conforms with the watershed delineation for the project area and that the project does not receive discharge from the SR 82 which is the common upstream watershed boundary for the Estero River and Six Mile Cypress watersheds. The topographic data also shows an existing farm road bisecting the project area, which acts as a basin divide between the Estero River and Six Mile Cypress watersheds.

For the Proposed Conditions model, proposed grading for the basins was utilized along with the preliminary grading for the development ponds, including the internal lake excavation areas and detention areas within the development ponds.

Land Use/Land Cover Data

Currently, Daniels South's existing drainage basin is comprised mostly of agricultural fields and as well as forested wetland and indigenous areas which are included with the land use calculations and determination. Overall, the total Existing Conditions basin contains homogenous land use/land cover.

For the Proposed Conditions ICPR model, the land use/land cover data file was defined by the proposed land used based upon the Master Concept Plan for the Daniels South Mixed Use Planned Development Application. The land use/land cover categories include Residential, Commercial, Right-of-Way, Wetlands, Lakes, and Uplands. Although the commercial areas are included within the model, it should be noted that the commercial areas are proposed within the Intensive Development Future Land Use category, which does not require an integrated surface and groundwater model,

Runoff Curve Number

A curve number, which represents the ability of soil to store water, was developed for each existing and proposed drainage basin. The curve number method is a product of the SCS runoff equation, developed by the US Soil Conservation Service, which is the predecessor of the NRCS. The runoff equation takes the total rainfall depth and removes the soil storage using an empirically derived formula to predict how much water will run off of a defined basin. It has many parameters including the depth of the water table with respect to average ground elevation, soil type, compaction and the inclusion of impervious areas. TR-55 is a document produced by SCS that equates certain land uses to certain Curve Numbers based on four categories of soil types and is typically used in most of the country to predict generalized soil storage estimates. In areas governed by the South Florida Water Management District, however, SCS and the District realized that the relatively high water tables encountered in Florida meant that the CN by landuse method from TR-55 was not adequate estimate soil storage. This method normally produced higher values for water storage in soil than were actually being encountered. This lead SCS to develop an alternate method to determine a local CN value that relies on a series of soil storage curves to be used within SFWMD service areas instead. These include soil storage curves for "sandy soils", "flatwoods soils" and "depressional soils". The current process of determining soil storage therefore involves determining the average elevation of that portion of existing ground above the wet season high water table, subtracting that elevation from the WSHWT elevation and applying the resulting depth to one of

three soil storage curves. The resultant curve number from this exercise is then further evaluated against totally impervious areas within the basin to achieve a weighted value that averages areas in the basin that are both pervious and impervious.

Daniel's South Existing and Proposed Conditions curve numbers can be found in Tables 1 & 2 below:

Table 1: Daniels South Existing Conditions Curve Numbers

DANIELS SOUTH EXISTING CONDITIONS CURVE NUMBERS		
BASIN NAME	SOIL STORAGE (INCHES)	CURVE NUMBER
WETLAND 1	0.03	99.71
WETLAND 2	0.01	99.95
WETLAND 3	0.00	99.98
WETLAND 4	0.00	99.99
WETLAND 5	0.00	99.97
WETLAND 6	0.00	99.96
WETLAND 7	0.05	99.48
DS NORTH	0.08	99.16
DS WEST	0.02	99.79
DS EAST	0.11	98.94

Table 2: Daniels South Proposed Conditions Curve Numbers

DANIELS SOUTH PROPOSED CONDITIONS CURVE NUMBERS		
BASIN NAME	SOIL STORAGE (INCHES)	CURVE NUMBER
BASIN CN	0.56	94.67
BASIN 1	0.83	92.32
BASIN 2	0.94	91.43
BASIN 3	0.94	91.43
BASIN 4	0.82	92.41
BASIN 5	0.90	91.70
BASIN 6	0.86	92.07
BASIN 7	0.91	91.66
BASIN 8	0.97	91.20
BASIN 9	0.84	92.26
BASIN 10	0.75	93.02
BASIN 11	0.88	91.92
BASIN 12	1.17	89.54
BASIN 13	0.77	92.83
BASIN 14	0.74	93.11
BASIN 15	0.00	99.98
PRESERVE 1A	0.07	99.28
PRESERVE 1B	0.10	98.99
BASIN 15	0.00	99.98
PRESERVE 2	0.31	96.99
PRESERVE 2+3	0.41	96.05
PRESERVE 3	0.22	97.83
PRESERVE 4	0.22	97.83
PRESERVE 5+6+7	0.22	97.83
PRESERVE 5	1.26	88.83

In Table 1 of the Existing Conditions, soil storage of the existing wetlands was defined by first determining the area above the wet season water table (WSWT) within the Wetland Basin. This area was

then defined with an average elevation which then was used to define the available soil storage per the USDA's Method. In Table 2 of the Proposed Conditions, since it is assumed, the soil will be compacted, soil storage has been reduced by 25% which is consistent with the methodology requested by SFWMD applicant's handbook.

Time of Concentration

Time of Concentration is another parameter needed to establish the stormwater characteristics of the Project. Time of Concentration is the time required for runoff to travel hydraulically from the most distant point in the watershed to the outlet. Time of concentration vary depending on land characteristics within the respective basin which includes, slope and character of the defined flow path. Time of concentration was established using the Kirpich Equation which studies the flow path length and slope. The Kirpich Equation is as follows:

$$T_c = \frac{0.0078L^{0.77}}{S^{0.385}}$$

Where:
Tc = Time of Concentration (minutes)
L = Length of Flow Path (feet)
S = Slope

Using the above equation Time of Concentration was established for both the Existing and Proposed Conditions and can be shown in Tables 3 & 4:

Table 3: Existing Conditions Time of Concentration

EXISTING TIME OF CONCENTRATION CALCULATION - KIRPICH EQ.						
BASIN	KIRPICH CONSTANT	LENGTH OF FLOW PATH	UPSTREAM ELEVATION	DOWNSTREAM ELEVATION	SLOPE	TIME OF CONCENTRATION
N/A	UNITLESS	(feet)	(feet)	(feet)	(ft/ft)	(minutes)
BASIN NORTH	0.0078	5,387	26.54	25.31	0.00023	147.00
DS WEST	0.0078	3,413	26.21	25.64	0.00017	116.87
DES EAST	0.0078	5,506	25.67	25.36	0.00006	257.81
WETLAND 1	0.0078	5,954	225.14	24.77	0.03365	23.22
WETLAND 2	0.0078	1,715	25.70	24.25	0.00085	36.74
WETLAND 3	0.0078	2,557	25.25	24.12	0.00044	64.16
WETLAND 4	0.0078	1,854	25.31	24.98	0.00018	70.73
WETLAND 5	0.0078	2,364	25.05	24.59	0.00019	83.22
WETLAND 6	0.0078	1,226	25.62	24.89	0.00059	32.57
BASIN 15	0.0078	2,593	25.00	24.89	0.00004	158.89
WETLAND 7	0.0078	3,426	24.65	23.59	0.00031	92.39

Table 4: Proposed Conditions Time of Concentration

PROPOSED TIME OF CONCENTRATION CALCULATION - KIRPICH EQ.						
BASIN	KIRPICH CONSTANT	LENGTH OF FLOW PATH	UPSTREAM ELEVATION	DOWNSTREAM ELEVATION	SLOPE	TIME OF CONCENTRATION
N/A	UNITLESS	(feet)	(feet)	(feet)	(ft/ft)	(minutes)
PRESERVE 1A	0.0078	2,129	25.47	25.31	0.00007	111.37
PRESERVE 1B	0.0078	3,265	25.49	25.29	0.00006	165.86
BASIN 15	0.0078	1,070	25.67	25.36	0.00029	38.87
PRESERVE 2	0.0078	1,187	24.92	24.77	0.00013	57.44
PRESERVE 2+3	0.0078	2,304	24.51	24.25	0.00011	100.38
PRESERVE 3	0.0078	1,837	24.27	24.12	0.00008	94.87
PRESERVE 4	0.0078	2,653	25.12	24.98	0.00005	147.70
PRESERVE 5+6+7	0.0078	5,201	24.72	24.59	0.00002	335.20
PRESERVE 5+6+7	0.0078	2,593	25.00	24.89	0.00004	158.89

Rainfall Data and Design Storms

Precipitation depths for the 10-year 1 day, 25-year 3 day and 100-year 3-day storm events were obtained specifically for the subject watershed area using the South Florida Water Management Districts Applicants Handbook and applicable Isohyet Curves. The design storm rainfall amounts are shown in the following table:

Table 5: Rainfall Data for Design Storm Events

MODELED RAINFALL DEPTHS		
100y-3d Storm	13.90	inches
25y-3d Storm	10.60	inches
10y-1d	6.50	inches
2.33y-1d	4.50	inches

DANIELS SOUTH EXISTING CONDITIONS MODELING ANALYSIS

As mentioned above, the Project is comprised of existing wetlands and agriculture fields. The various agriculture fields include dividing berms and irrigation ditches that both isolate wetland areas and direct runoff through the site. The Project's existing hydrology conveys stormwater from North to South with the North/South basin divide delineating the stormwater west or east to their respective basin, Six Mile Cypress and Estero River Watersheds.

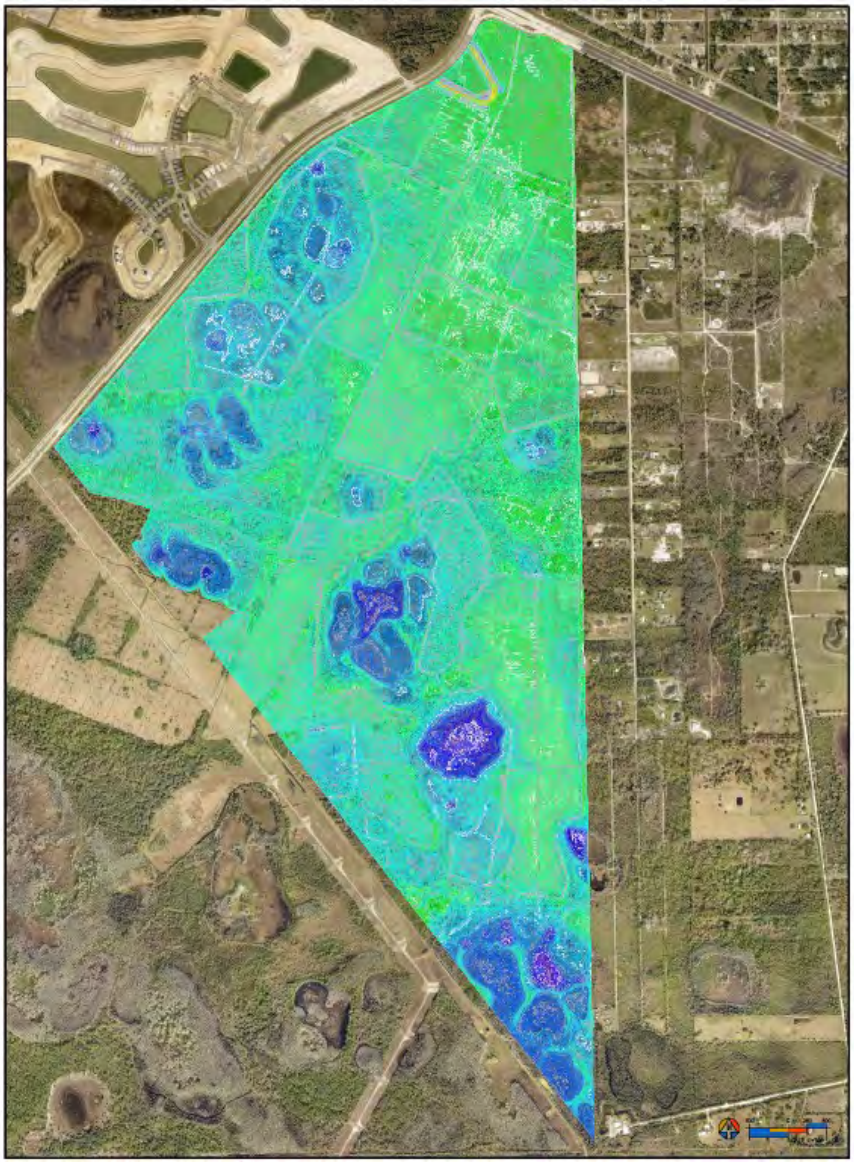
Using field data, LIDAR data, current aerial photographs, on-site observations and SFWMD permit files, the existing property was delineated into sub-basins. A total of 10 sub-basins were established via delineation.

Once the sub-basins were defined, hydrologic characteristics of each basin were defined and quantified, which included land use, curve numbers, time of concentration and surface storage capacity. All the listed items along with rainfall depths were used to establish a rainfall-runoff model for each basin using Interconnected Pond Routing (ICPR4) Software.

ICPR4 Modeling

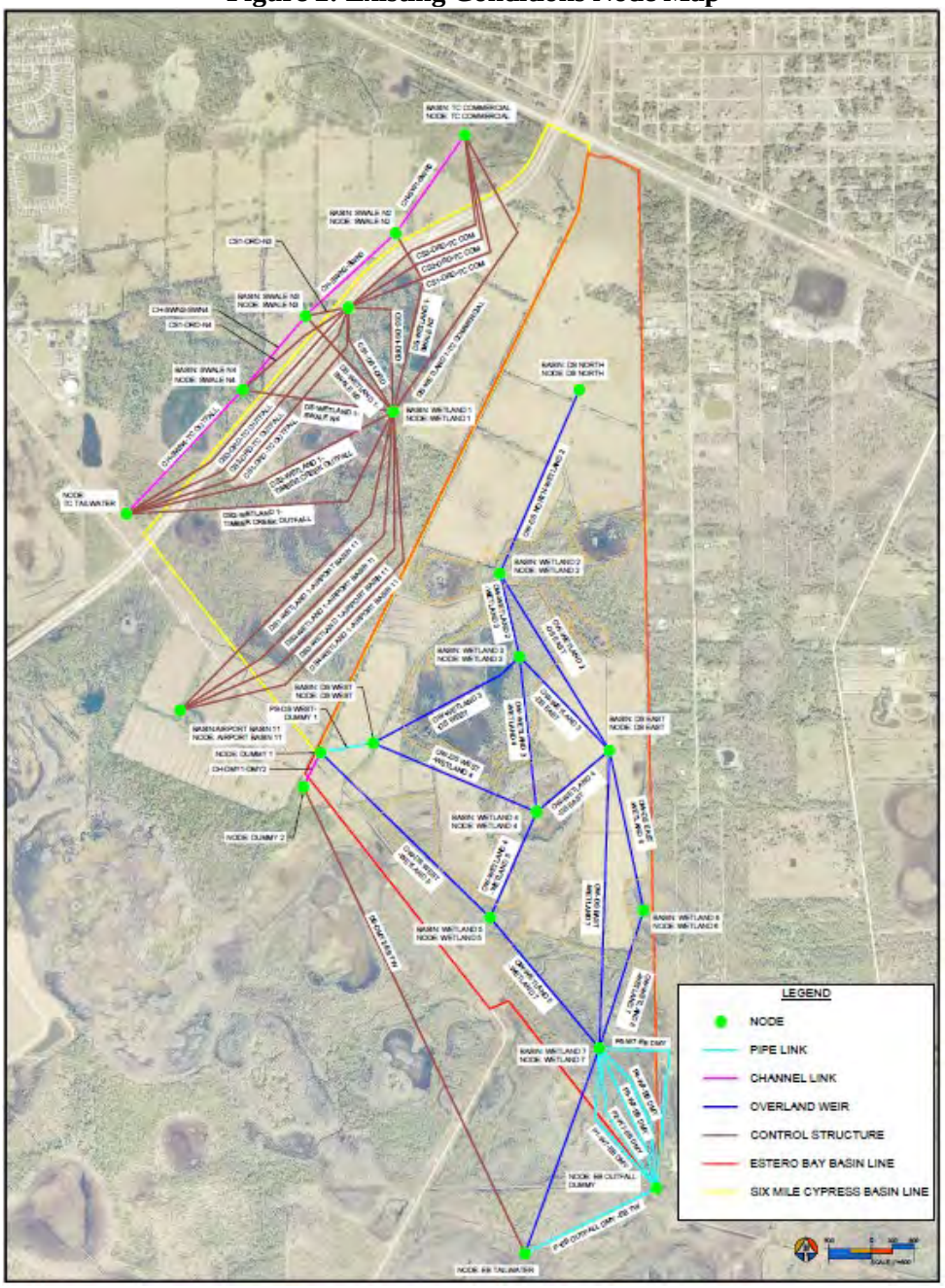
The ICPR4 software was utilized to perform the hydrologic analysis of Daniels South Existing Conditions drainage basin. The modeled rainfall events include the 2.33-year 1-day, 10-year, 1-day, 25-year, 3-day and 100-year, 3-day. Each of the (10) basins were modeled as sperate nodes and were characterized by their determined properties: area, CN, and Time of Concentration. In review of the existing topographic data, it was determined that the sub-basins had areas of run-off storage at specific elevations. The stage-storage volumes were input into the basin characteristics of each of the nodes. Figure 1 provides a graphic of the digital elevation model (DEM) used for the Existing Conditions Analysis where blue colors represent areas below the WSWT, and greens represent areas above the WSWT:

Figure 1: Existing Conditions DEM Model (NAVD 88)



To further analyze the hydrologic conditions of the project, routings were incorporated into the ICPR4 model. Previous SFWMD files for the surrounding parcels along with field reconnaissance and current survey data was used to establish hydraulic networks between each of the sub-basins. Figure 2 below shows the Existing Conditions Node Map (also included in Appendix B):

Figure 2: Existing Conditions Node Map



Outfall Tailwater Conditions

The Existing Conditions model includes (12) offsite connection of which (2) connect to Estero River Watershed and the remaining (10) connect to Six Mile Cypress Watershed. The 2 connections to Estero River Watershed occur on the Southern property line with (1) just east of the basin divide line and the

other at the eastern most point of the property. The connections to Estero River Watershed include existing reinforced concrete pipes that convey stormwater to the offsite wetlands, where stormwater is ultimately conveyed to Estero River.

The Six Mile Cypress Watershed connections consist of existing reinforced concrete pipes and control structures currently in place. The conveyance structures discharge both to the western side of Daniels Parkway to improvements provided by Timber Creek and south to the Airport Basin. From these connection points, the stormwater ultimately discharges to Six Mile Cypress Watershed through a series of existing conveyance ditches and storm pipes.

The boundary nodes for each outfall were set as Time/Stage nodes. The boundary conditions for each Time/Stage node were defined by the Existing Conditions established in existing SFWMD permits for both the Estero River Watershed and the Six Mile Cypress Watershed. The features for the boundary nodes will remain the same in the post development conditions. As such, the defined Time/Stage node for the outfalls will remain consistent in the Proposed Conditions.

ICPR Modeling 1D Results

Based on the modeling results of the Existing Conditions of Daniels South, the peak discharge leaving the site for the 25-year, 3-day storm event was defined as 1019.15 cfs. The maximum discharge rate equates to 921.06 cfs discharging to Estero River Watershed and 98.08 cfs discharging to Six Mile Cypress Watershed. Results are shown in Table 6:

Table 6: Existing Conditions Model Discharge Results

Watershed	Peak Discharge Rate (cfs)
Six Mile Cypress	98.08
Estero River	921.06
Total Peak Discharge	1019.15

The actual peak discharge from the existing property may vary from the modeled results due to the nature of the available data for analysis. In additional, the capacity of the downstream conveyance systems must be a considered factor when evaluating and estimating the existing flows leaving the Project.

DANIELS SOUTH PROPOSED CONDITIONS FLOW PATH ANALYSIS

The surface water management system is designed based on the criteria of the South Florida Water Management District (SFWMD) Environmental Resource Permit (ERP) program and is consistent with the criteria of Part IV of Chapter 373 of the Florida Statutes. The proposed master drainage plan (Appendix A) consists of 14 lakes interconnected to each to other totaling 117 acres of surface area. The proposed lakes attenuate water quantity within the site and provide water quality treatment including reducing nutrient loading of the proposed development. The water quality treatment provide by the lakes will prevent the project from degrading surface water quality and reduce nutrient loading from Existing Conditions which meet the requirements of Policy 125.1.2 and Policy 125.1.3 of the Lee County Comprehensive Plan. The lake elevations have been designed to match or exceed the existing wet season

water elevations as determined by the consulting ecologist for the project, so as to not impact adjacent onsite wetland preserve areas. The water management system discharges in 5 locations into the onsite wetland preserve areas through weirs that control the maximum discharge rate from the developed areas.

The five lakes within the 10,000-foot airport wildlife buffer have been designed to incorporate hardened shorelines and 4:1 slopes without littoral plantings, to minimize wildlife attractive vegetation in those areas which benefits the Southwest Florida International Airport (SWFIA). These five lakes will discharge to lakes outside the 10,000-foot wildlife buffer to ensure that adequate water quality treatment is provided for all areas of the site prior to discharging to the onsite wetlands.

In addition to the water management system, an onsite flow path is proposed for the project area. The proposed flow-path creation plan consists of a piped connection to be located approximately in the middle of the project area currently defined as an existing farm road that divides the Six Mile Cypress watershed from the Estero River watershed. The 24" pipe connection is intended to reestablish a historic flow path that interconnects the two watersheds as identified Lee County's Comprehensive Plan, connecting the two watersheds.

The proposed man-made flow-path connection will allow flow to occur from Six Mile Cypress Watershed to Estero River Watershed in storm events that exceed the 10-year, 1-day storm event. The proposed flow-path connection will allow (restore) stormwater flows from the Six Mile Cypress watershed into the Estero River Watershed during high rainfall events.

The initial step of the analysis involved designing sub-basins within each of the watersheds and identifying where a connection point could occur based on the varying WSWT elevations within each of the Wetlands. The sub-basins that were identified for connection are from "Wetland Preserve 1B" (See Appendix G Proposed Node Map for node locations) in the Six Mile Cypress Watershed to "Preserve 2+3" in the Estero River Watershed in the Proposed Conditions. Wetland Preserve 1B has a control elevation of 25.50' while Preserve 2+3 has a control elevation of 25.32'.

The proposed connection of the man-made flow-path will consist of a control structure weir set at elevation 25.84' on the Six Mile Cypress Watershed side. The proposed connection will be a closed system (i.e. piped), consistent with the request of the SWFIA/Port Authority. The control structure will discharge via a 24" buried pipe to Preserve 2+3 which is on the Estero River watershed side of the project. This proposed buried pipe will not create habitat that could attract wildlife and be aesthetic in character. The control structure elevation is set above the WSWT so as to not draw down the wetland areas (thereby maintaining the wetland hydroperiod) and to prevent surface water from discharging into the Six Mile Cypress basin in low volume rain events. In high rain fall events, the Six Mile Cypress Basin water elevation stages to an elevation slightly higher than the Estero Basin water elevation which is when flow will start occurring into the Estero River Basin. The control structure elevation of 25.84', was determined as the defined elevation of the 10-year, 1 day storm event for the proposed project in Preserve 1B. Figure 4 -Wetland Connection Exhibit, is a schematic depiction of the pipe connection between the watersheds.

Per the above provided information, the proposed flow-path connection discharges when storm events exceed the 10-year, 1 day storm event of elevation of 25.84'. ICPR4 routings of the 25-year, 3-day storm event define a discharge rate of 3.46 cfs of peak flow discharged from the 24" conveyance pipe

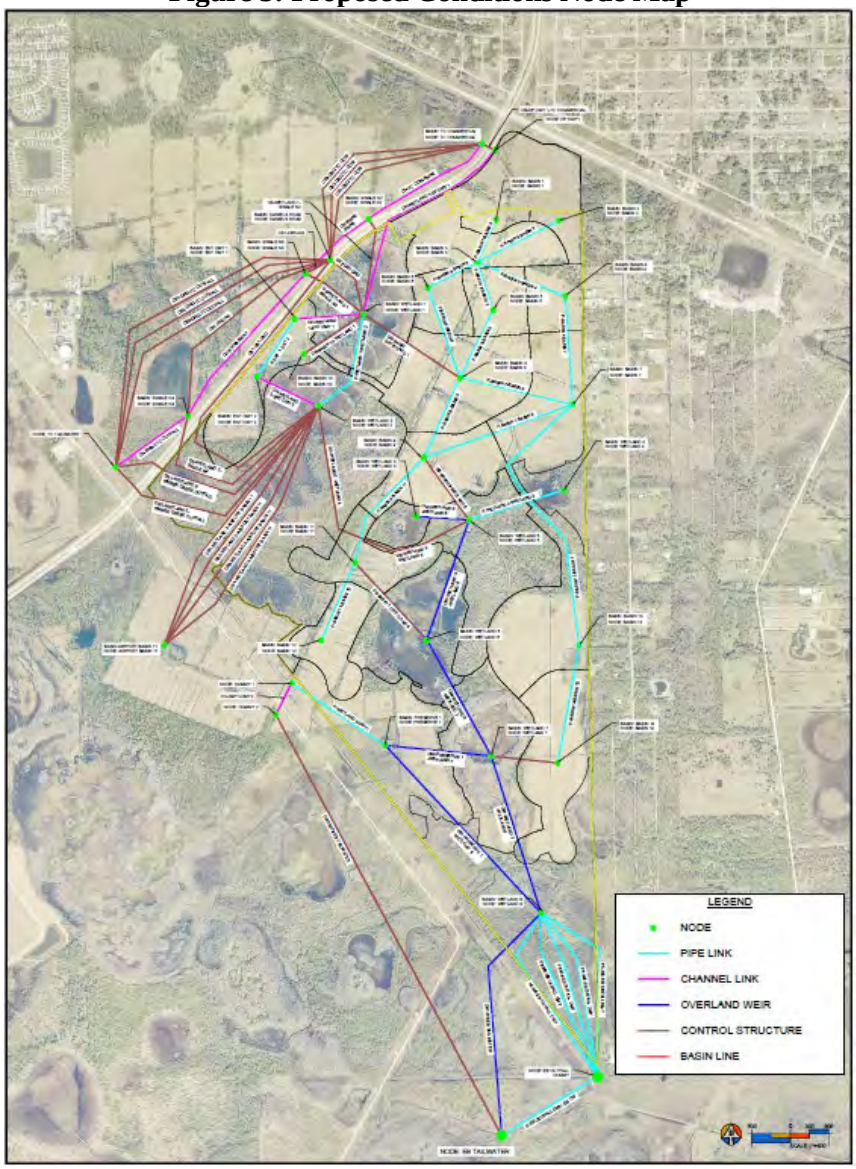
DANIELS SOUTH PROPOSED CONDITIONS MODELING ANALYSIS

ICPR4 software was used to perform hydrologic and hydraulic analysis of the Daniels South Proposed Conditions for the various basins. The modeled rainfall events include the 10-year 1-day, 25-year 3-day, and 100-year, 3-day storm events. Water elevation stages were evaluated for all the above storm events, as well as the peak flow discharge rates of the 25-year, 3-day storm event, which is the criteria of the South Florida Water Management District.

To determine Stage/Storage relationships in each of the defined basins, the environmental professional involved with the project provided wetland elevation data to ensure the proposed project's storage is starting at or above a water elevation consistent with the adjacent wetlands. The onsite portion of the project discharges via 5 discharge points to the various offsite wetlands. Two locations will discharge to the Six Mile Cypress Watershed and three locations discharge to the Estero River Watershed. Various ponds on site within their respective sub-basins will be interconnected by reinforced concrete pipes. Due to the design the lakes within 10,000 Foot airport wildlife buffer, not having littoral plantings, the southern 2 control structures that discharge to Estero River will not begin to discharge to the offsite wetlands until water quality requirements for the project are met in the other lakes of the system.

A Proposed conditions Node Map of Daniels South is shown in Figure 3 (Also included in Appendix G) to better displays the above information:

Figure 3: Proposed Conditions Node Map



As shown in Figure 3, the proposed system incorporates, reinforced concrete pipe, control structures, channels and overland weirs to accurately define the proposed hydrologic and hydraulic conditions.

ICPR Modeling 1D Results

Based on the modeling results of the Proposed Conditions of Daniels South, the peak discharge leaving the site for the 25-year, 3-day storm event was defined as 420.26 cfs. The maximum discharge rate equates to 350.09 cfs discharging to Estero River Watershed and 70.17 cfs discharging to Six Mile Cypress Watershed. Results are shown in the following table:

Table 7: Proposed Conditions Model Discharge Results

Watershed	Peak Discharge Rate (cfs)
Six Mile Cypress	70.17
Estero River	350.09
Total Peak Discharge	**420.26**

The discharge rates in the above table include the wetlands that will remain outside of the proposed developments stormwater management system. Additionally, stages were defined as part of the ICPR4 modeling effort, and the results can be shown in the following table:

Table 8: Proposed Conditions Model Stages

Critical Storm Event Stages		
10 YEAR 1-DAY STORM EVENT		
Basin Name	**Peak Stage (ft. NAVD)**	**Comment**
BASIN 1-9	27.13	MIN. ROAD CROWN 27.14'
BASIN 10	27.65	MIN. ROAD CROWN 27.65'
BASIN 11-12	26.97	MIN. ROAD CROWN 26.97'
BASIN 13-14	27.56	MIN. ROAD CROWN 27.56'
25 YEAR 3-DAY STORM EVENT		
Basin Name	**Peak Stage (ft. NAVD)**	**Comment**
BASIN 1-9	27.79	MIN. BERM ELEV. 27.79'
BASIN 10	28.06	MIN. BERM ELEV. 28.06'
BASIN 11-12	27.67	MIN. BERM ELEV. 27.67'
BASIN 13-14	27.93	MIN. BERM ELEV. 27.93'
100 YEAR 3-DAY STORM EVENT		
Basin Name	**Peak Stage (ft. NAVD)**	**Comment**
BASIN 1-9	28.15	MIN. FF ELEV. 28.38'
BASIN 10	28.31	MIN. FF ELEV. 28.67'
BASIN 11-12	28.04	MIN. FF ELEV. 28.38'
BASIN 13-14	28.23	MIN. FF ELEV. 28.45'

As shown in Table 8, the Proposed Conditions of the onsite development remain consistent with similar projects within the respective Basins the site discharges to. The required elevations shown in Table 8 are consistent with the requirements set forth by South Florida Water Management District and Lee County Land Development Code. The Proposed Project is located within FEMA Flood Zone X; therefore, no minimum elevation is required for the Finish Floors of the future proposed buildings.

EXISTING / PROPOSED CONDITION RESULTS COMPARISON PEAK FLOWS

As indicated previously, the project area is located at the upper end of both the Six Mile Cypress and Estero River watersheds and does not receive flows from upstream properties. As such the proposed project will not cause flooding or other negative impacts to upstream areas consistent with Policies 1.4.5 and 33.1.7.

To evaluate downstream potential impacts, a peak discharge comparison for the Existing Conditions and Proposed Conditions is shown in Table 9 below. The comparison shows that the proposed project will attenuate the 25-year 3-day rainfall event within the proposed onsite water management system and reduce the peak runoff discharge rate from the project limits. By reducing the peak runoff rate, downstream properties from the project will receive flow from the project limits at a slower rate, thereby decreasing the potential of flood conditions and demonstrating consistency with Policies 1.4.5 and 33.1.7

Table 9: Peak Flow Model Discharge Comparison

Watershed	Existing Project Limits - Peak Discharge Rate (cfs)	Proposed Project Limits - Peak Discharge Rate (cfs)
Six Mile Cypress	98.08	70.17
Estero River	921.06	350.09
Total Peak Discharge	**1019.15**	**420.26**

To further demonstrate the proposed project will not increase the potential of flood conditions downstream of the project, a comparison of the 25 year- 3-day peak stage elevations on locations of wetlands area at the south end of the project limits is presented in Table 10 below. The elevations show that stages will not increase in the post development condition and that peak stages in wetland areas near the site discharge location on the site will not increase prior to discharging off site which meets policy 126.1.4.

Table 10: Peak Stage Comparison

Node**	Existing Project Limits Stage Elev (NAVD)	Proposed Project Limits -Stage Elev (NAVD)
Wetland 7 (Exist) Preserve 5+6+7 (Prop)	25.92	25.92

*** Note - wetland areas were relabeled in the model from the Existing Conditions and Proposed Conditions due to Proposed Conditions design creating wetland subbasins. The descriptions in the Table 10 represent the same location on the site.*

WETLAND HYDROPERIOD MODELING

A comparison of wetland hydroperiod stages analysis was prepared based on methodology accepted by the SFWMD. The SFWMD allows for the analysis of wetland areas based on a 2.33 year – 1 day design storm. This storm is intended to more closely mimic the frequent rainfall events that occur annually during the rainy season of this vicinity of Florida. A comparison of pre-development wetland basin peak storm elevations was made with the post-development conditions in the undeveloped wetland areas. The results indicate that a negligible change in peak elevation (less than 0.1 feet) in the post development conditions and this change will not increase the hydroperiod of the wetland system. Wetland hydroperiods for different types of wetlands have durations of 30-180 days. Small changes in the stages of wetland peak storm events will not affect the long hydroperiod of the wetland systems as the peak stages recover to wet season water table over a period of 24-48 hours and the each actual rainfall event varies from year to year.

As previously indicated, the proposed weir that controls surface water discharge between watersheds via a proposed 24" pipe, is set at the stage of the 10-year 1- day storm event. This stage is higher than the 2.33 year 1-day hydroperiod model. As such, runoff will not discharge via the proposed weir for lower rainfall events and therefore the proposed 24" pipe watershed connection will not affect the wetland hydroperiods.

A comparison for peak stages of the wetland areas is in Table 11 below

Table 11: 2.33 Year Peak Stage Comparison Wetland Areas

Node**	Existing 2.33-Year 1-ay Peak Elev (NAVD)	Proposed 2.33 Year-1-Day Stage Elev (NAVD)
Wetland 1 (Exist) Preserve 1A (Prop)	25.75	25.69
Wetland 1 (Exist) Preserve 1B (Prop)	25.75	25.67
Wetland 2 (Exist) Preserve 2-3 (Prop)	25.65	25.56
Wetland 3 (Exist) Preserve 3 (Prop)	25.56	25.53
Wetland 4 (Exist) Preserve 4 (Prop)	25.55	25.49
Wetland 5 (Exist) Preserve 5 (Prop)	25.56	25.48
Wetland 6 (Exist) Preserve 5+6+7 (Prop)	25.55	25.46
Wetland 7 (Exist) Preserve 5+6+7 (Prop)	25.52	25.46
Basin 15 (Exist) Basin 15 (Prop)	25.65	25.68

*** Note - wetland areas were relabeled in the model from the Existing Conditions and Proposed Conditions due to Proposed Conditions design creating wetland subbasins. The descriptions in the Table 10 represent the same location on the site.*

DANIELS SOUTH ICPR 2D INTEGRATED SURFACE AND GROUNDWATER MODEL

2D modeling was also completed for Daniels South utilizing ICPR4 software. ICPR4 utilized the Green Ampt analysis for the 25-year, 3-day rainfall event to analyze recharge volume in the Proposed Conditions. Per the modeling results, the Proposed Conditions groundwater recharge volume is greater than what occurs presently, given the property's Existing Conditions. The Existing Conditions simulates approximately 1,403 acre-ft over a duration of 360 hours, while the Proposed Conditions simulate 1,497 acre-ft, a net increase of 94 acre-ft. The above results indicate that the proposed project will enhance water resources by providing a net benefit in groundwater recharge. The above results are more thoroughly discussed in Progressive Water Resources Integrated Model Analysis dated May 20, 2022, that has been included as Appendix L. Please refer to Appendix L for the complete report.

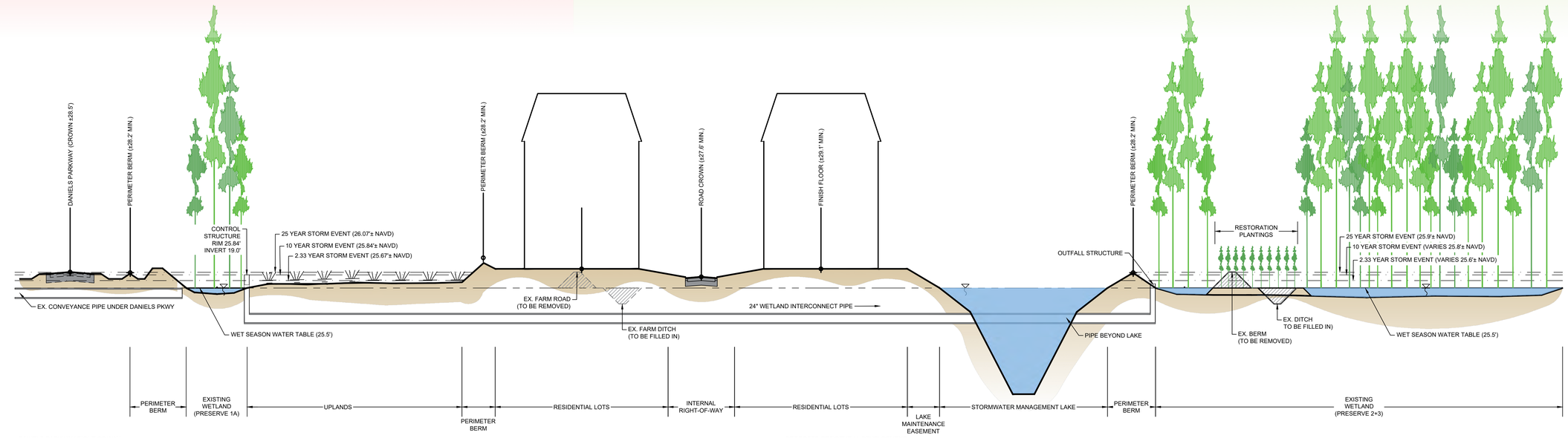
SUMMARY

Based on the above hydrologic and hydraulic analysis of both the Existing Conditions and the Proposed Conditions of Daniels South, there is opportunity for the project to provide a hydrologic benefit to the region by providing conveyance connection between the Six Mile Cypress and Estero River Watersheds, allowing for additional surface water to be conveyed into the Estero River Watershed. The additional surface water to this area is consistent with Policy 33.1.4. The provided analysis shows the potential for the project to convey stormwater to the Estero River Watershed in storm events that exceed the SFWMD 10-year 1-day storm event. Additionally, the proposed project reduces the peak discharge rate of the entire site, including wetlands, while improving historic drainage patterns. The reduction in peak discharge rates show that the proposed surface water management system delays the release of surface water from the project site thereby reducing the potential of flooding to properties downstream. Consistent with Policy 1.4.5 and Policy 126.1.4, the modeling results demonstrate that the proposed system is will not adversely impact upstream or downstream surrounding properties with the approval and construction of Daniels South.

Figure 4 - WETLAND CONNECTION EXHIBIT

SIX MILE CYPRESS DRAINAGE BASIN

ESTERO RIVER DRAINAGE BASIN



PROJECT:

DANIELS PARKWAY SOUTH

LOCATION:

13400 DANIELS PKWY.
FORT MYERS, FL. 33913

CLIENT:

[redacted]

CONSULTANT:

MORRIS DEPEW
ENGINEERS • PLANNERS • SURVEYORS
LANDSCAPE ARCHITECTS
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PREPARED BY:

REVISIONS	DATE

PROJECT MANAGER:	RMS
DRAWING BY:	MGE
JURISDICTION:	LEE COUNTY
DATE:	8/25/2022

SHEET TITLE:

WETLAND CONNECTION EXHIBIT

SHEET NUMBER: 1 0F 1

40 0 20 40
SCALE 1"=40'

JOB/FILE NUMBER: 21008-03

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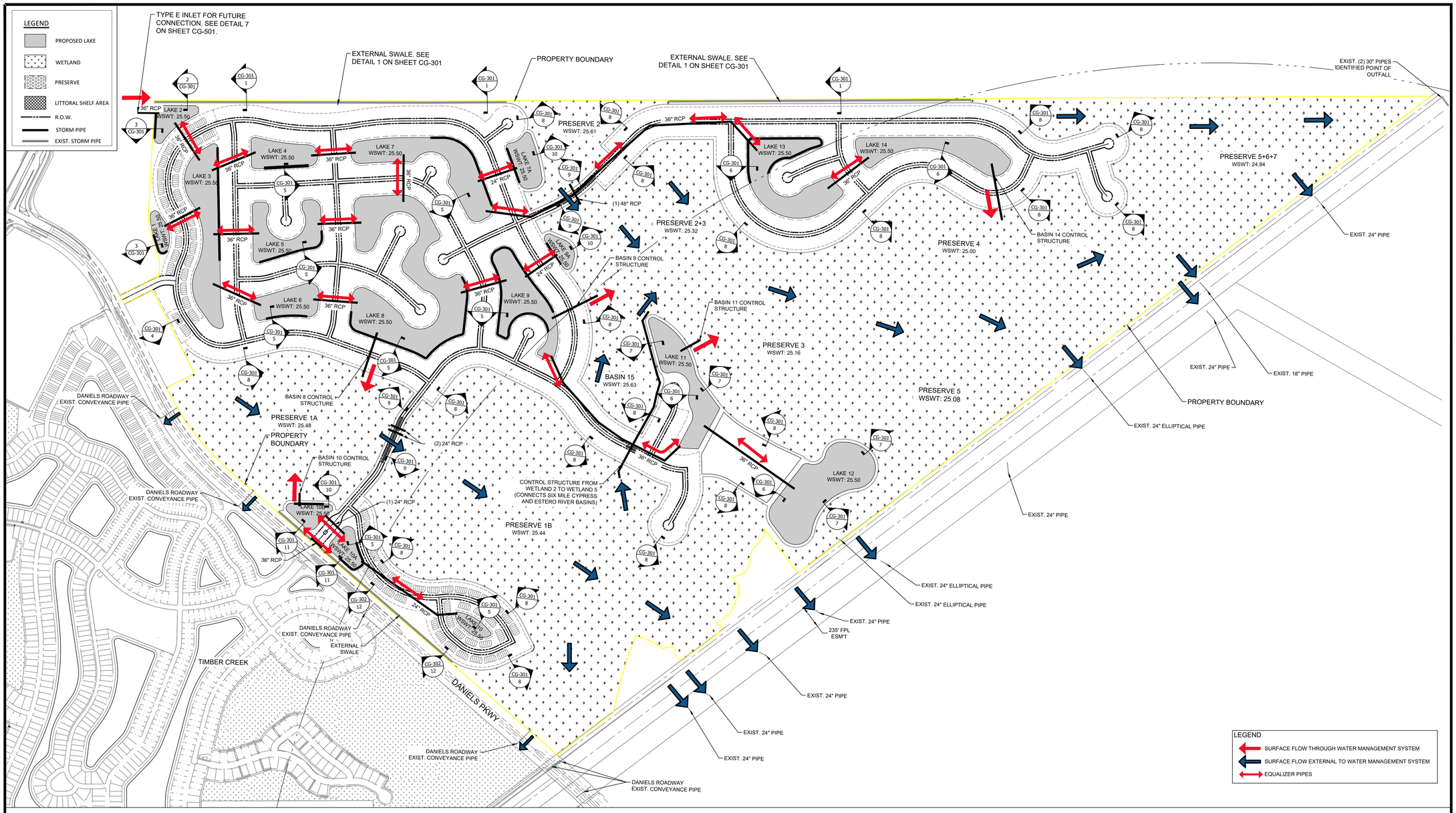
APPENDICES

APPENDIX A- MASTER GRADING PLAN



DANIELS SOUTH CRITICAL STORM EVENT STAGES

STORM ELEVATION	PEAK STAGE (NAVD)		COMMENT
	BASINS 1-9 & 11-14	BASIN 10	
100 YEAR 3 DAY	28.23	28.31	Min. Finish Floor at 29.1'
25 YEAR 3 DAY	27.93	28.06	Set Perimeter Berm at 28.1'
10 YEAR 1 DAY	27.56	27.65	Set Min. Road Crown at 27.7'

PROPOSED PROJECT LANDUSE
TOTAL PROPOSED AREA

DESCRIPTION	AC	%
TOTAL AREA	500.50	100%
BUILDING GROUND FLOOR AREA	153.27	31%
PAVEMENT AREA	57.47	11%
SIDEWALK/OTHER IMPERVIOUS	57.47	11%
PERVIOUS ACREGE	114.95	23%
WET DETENTION POND	117.34	23%
TOTAL IMPERVIOUS AREA	268.22	54%
TOTAL PERVIOUS AREA	114.95	23%
TOTAL POND	117.34	23%
ADDITONAL OFFSITE PAVEMENT AREA	0.92	
ADDITONAL OFFSITE SIDEWALK AREA	1.47	

PROPOSED PROJECT LANDUSE
TOTAL SIX MILE CYPRESS BASIN AREA

DESCRIPTION	AC	%
TOTAL AREA	130.49	100%
BUILDING GROUND FLOOR AREA	42.33	32%
PAVEMENT AREA	15.87	12%
SIDEWALK/OTHER IMPERVIOUS	15.67	12%
PERVIOUS ACREGE	31.74	24%
WET DETENTION POND	24.68	19%
TOTAL IMPERVIOUS AREA	74.07	57%
TOTAL PERVIOUS AREA	31.74	24%
TOTAL POND	24.68	19%

PROPOSED PROJECT LANDUSE
TOTAL ESTERO BAY BASIN AREA

DESCRIPTION	AC	%
TOTAL AREA	370.01	100%
BUILDING GROUND FLOOR AREA	110.94	30%
PAVEMENT AREA	41.60	11%
SIDEWALK/OTHER IMPERVIOUS	41.60	11%
PERVIOUS ACREGE	83.21	22%
WET DETENTION POND	92.66	25%
TOTAL IMPERVIOUS AREA	194.15	52%
TOTAL PERVIOUS AREA	83.21	22%
TOTAL POND	92.66	25%

LEGEND
- SURFACE FLOW THROUGH WATER MANAGEMENT SYSTEM
- SURFACE FLOW EXTERNAL TO WATER MANAGEMENT SYSTEM
- EQUALIZER PIPES

NOTE:
1) PROPOSED PROJECT IS LOCATED WITHIN ESTERO BAY AND SIX MILE CYPRESS BASINS.
2) PER NOTE 1, THE PROJECT HAS AN ALLOWABLE DISCHARGE RATE OF 37 CSM FOR SIX MILE CYPRESS BASIN AND 42 CSM FOR ESTERO BAY BASIN.
3) PER NOTE 1 & 2, THE PROJECT HAS AN ALLOWABLE DISCHARGE RATE OF 7.54 CFS FOR SIX MILE CYPRESS BASIN AND 24.28 CFS FOR ESTERO BAY BASIN
4) WATER QUALITY VOLUME TO BE TREATED IN BASINS 1-10 ONLY.
5) WET SEASON WATER TABLE FOR THE PROJECT HAS BEEN DEFINED AS 25.50 NAVD.
6) PONDS EXCAVATED BEYOND THE "ANOXIC ZONE DEPTH", AS CALCULATED IN THE PERMITTED "POLLUTANT LOADING CALCULATIONS", SHALL BE SUPPLIED WITH AERATOR BASED PUMPS SIZED TO ACHIEVE A POND TURNOVER RATE OF AT LEAST 1.5 TIMES PER DAY.
7) TEMPORARY IMPACTS ASSOCIATED WITH INSTALLATION OF WATER CONTROL STRUCTURES WILL BE RESTORED AND REPLANTED ACCORDING TO THE MITIGATION/MONITORING/MAINTENANCE PLAN PREPARED BY PASSARELLA & ASSOCIATES, INC. DATED FEBRUARY 2017.

PROJECT:

DANIELS PARKWAY SOUTH

LOCATION:

13400 DANIELS PKWY.
FORT MYERS, FL. 33913

CLIENT:

LENNAR

CONSULTANT:

MORRIS DEPEW
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PREPARED BY:

RYAN M. SHUTE
FL PE# 54597

DRAWING IS NOT VALID WITHOUT AN ORIGINAL SEAL AND SIGNATURE BY THE ENGINEER OF RECORD

REVISIONS	DATE

PROJECT MANAGER:	PMT
DRAWING BY:	ESS
JURISDICTION:	LEE COUNTY
DATE:	8/25/2022

SHEET TITLE:

MASTER DRAINAGE PLAN

SHEET NUMBER: CG-100

500 0 250 500
SCALE 1"=500'

JOB/FILE NUMBER: 21008-02

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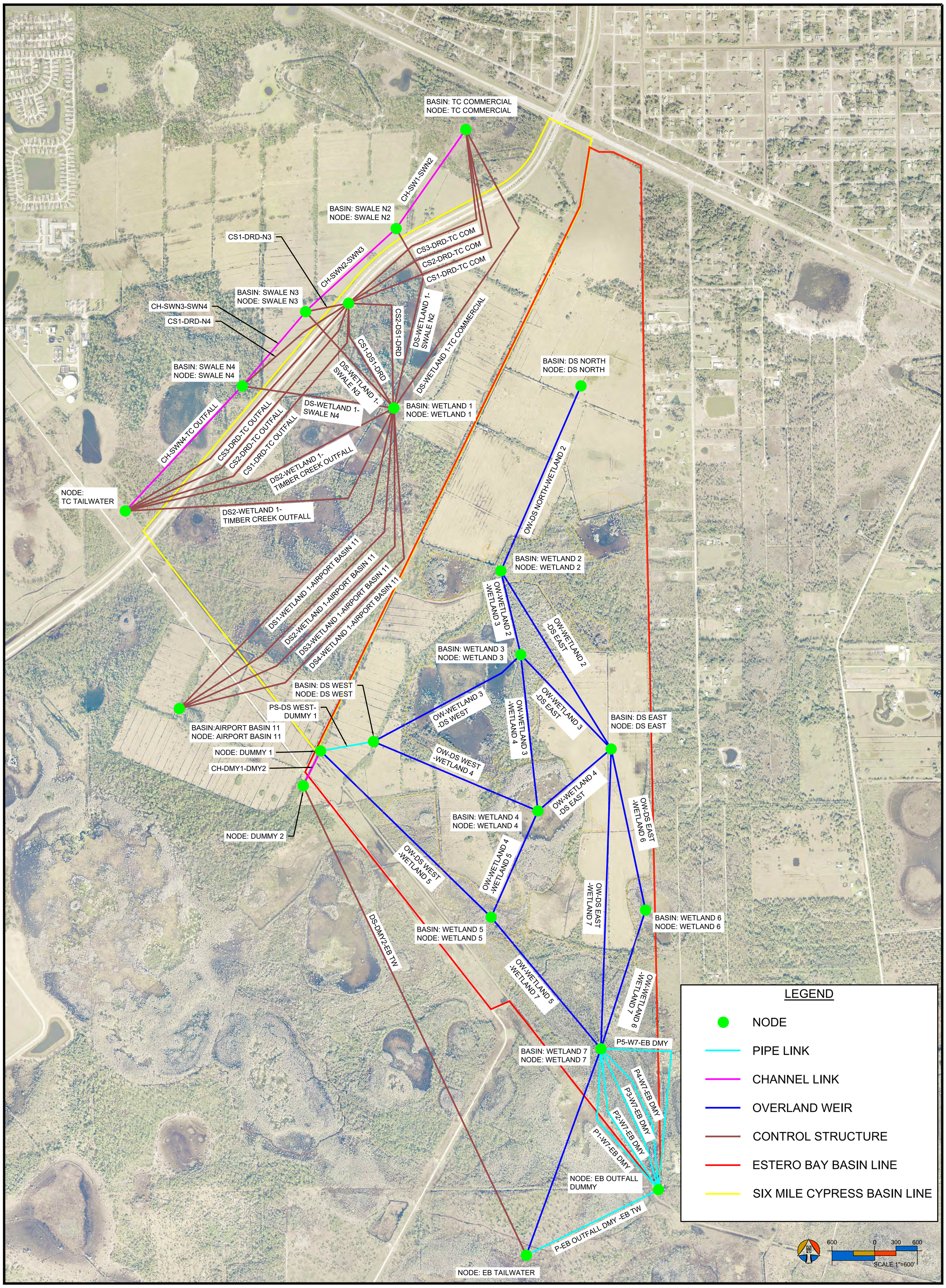
G:\21008 - Daniels Parkway South\Plans\21008-02 Conceptual Drainage Plans\Current Plans\21008-02 CG-100 - MASTER DRAINAGE PLAN.dwg (CG-100) - Aug 25 2022, 03:37:01 pm - PLOTTED BY: mhowell

APPENDIX B- EXISTING CONDITIONS NODE MAP



2/10/2022 G:\21008 - Daniels Parkway South\Plans\21008-02 Conceptual Drainage Plans\Current Plans\21008-02 Existing Conditions Node Map.dwg

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DANIELS SOUTH

ADDRESS:

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LEE COUNTY

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EXISTING CONDITIONS BASIN MAP

REVISIONS	DATE
JOB/FILE NUMBER:	14012-12
PROJECT MANAGER:	RMS
DRAWING BY:	ESS
JURISDICTION:	LEE COUNTY
DATE:	2/10/2022
SHEET NUMBER:	----

APPENDIX C- EXISTING CONDITIONS INPUT REPORT

Manual Basin: AirportBasin11

Scenario: Icpr3
Node: AirportBasin11
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 43.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh256
Peaking Factor: 256.0
Area: 213.6318 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
213.6318	AirportBasin11	AirportBasin11			

Comment: OUTFALL TO AIRPORT

Manual Basin: BASIN 15

Scenario: Icpr3
Node: BASIN 15
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 38.8700 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 11.7350 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
11.7350	BASIN 15	BASIN 15			

Comment:

Manual Basin: DS EAST

Scenario: Icpr3
Node: DS EAST
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 257.8100 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 160.4520 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
160.4520	DS EAST	DS EAST			

Comment:

Manual Basin: DS NORTH

Scenario: Icpr3
Node: DS NORTH
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 147.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 227.5580 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
227.5580	DS NORTH	DS NORTH			

Comment:

Manual Basin: DS WEST

Scenario: Icpr3
Node: DS WEST
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 116.8700 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 114.5320 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
114.5320	DS WEST	DS WEST			

Comment:

Manual Basin: SWALE N2

Scenario: Icpr3

Node: Swale N2
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh256
Peaking Factor: 256.0
Area: 0.9200 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9200	SWALE N2	SWALE N2			

Comment:

Manual Basin: SWALE N3

Scenario: Icpr3
Node: Swale N3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh256
Peaking Factor: 256.0
Area: 1.2200 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2200	SWALE N3	SWALE N3			

Comment:

Manual Basin: SWALE N4

Scenario: Icpr3
Node: Swale N4
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh256
Peaking Factor: 256.0
Area: 0.0500 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0500	SWALE N4	SWALE N4			

Comment:

Manual Basin: TC COMMERCIAL

Scenario: Icpr3
Node: TC COMMERCIAL
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.9800 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh484
Peaking Factor: 484.0
Area: 39.7700 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
39.7700	OFFSITE 1	OFFSITE 1			

Comment:

Manual Basin: WETLAND 1

Scenario: Icpr3
Node: WETLAND 1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 23.2200 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 417.3750 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
417.3750	WETLAND 1	WETLAND 1			

Comment:

Manual Basin: WETLAND 2

Scenario: Icpr3

Node: WETLAND 2
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 36.7400 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 44.7130 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
44.7130	WETLAND 2	WETLAND 2			

Comment:

Manual Basin: WETLAND 3

Scenario: Icpr3
Node: WETLAND 3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 64.1600 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 84.2470 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
84.2470	WETLAND 3	WETLAND 3			

Comment:

Manual Basin: WETLAND 4

Scenario: Icpr3
Node: WETLAND 4
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 70.7300 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 45.1480 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
45.1480	WETLAND 4	WETLAND 4			

Comment:

Manual Basin: WETLAND 5

Scenario: Icpr3
Node: WETLAND 5
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 83.2200 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 29.2040 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
29.2040	WETLAND 5	WETLAND 5			

Comment:

Manual Basin: WETLAND 6

Scenario: Icpr3
Node: WETLAND 6
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 32.5700 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 8.6420 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.6420	WETLAND 6	WETLAND 6			

Comment:

Manual Basin: WETLAND 7

Scenario: Icpr3

Node: WETLAND 7
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 92.3900 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 89.4770 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
89.4770	WETLAND 7	WETLAND 7			

Comment:

Impervious: Icpr3 [Set]

Land Cover Zone	% Impervious	% DCIA	% Direct	Ia Impervious [in]	Ia Pervious [in]
AirportBasin11	0.00	0.00	0.00	0.100	0.000
BASIN 15	0.00	0.00	0.00	0.000	0.000
DS EAST	0.00	0.00	0.00	0.000	0.000
DS NORTH	0.00	0.00	0.00	0.000	0.000
DS WEST	0.00	0.00	0.00	0.000	0.000
NG1	0.00	0.00	0.00	0.100	0.000
OFFSITE 1	0.00	0.00	0.00	0.100	0.000
OFFSITE 2	0.00	0.00	0.00	0.100	0.000
SWALE N2	0.00	0.00	0.00	0.100	0.000
SWALE N3	0.00	0.00	0.00	0.100	0.000
SWALE N4	0.00	0.00	0.00	0.100	0.000
SWALE OFF1	0.00	0.00	0.00	0.100	0.000
WETLAND 1	0.00	0.00	0.00	0.000	0.000
WETLAND 2	0.00	0.00	0.00	0.000	0.000
WETLAND 3	0.00	0.00	0.00	0.000	0.000
WETLAND 4	0.00	0.00	0.00	0.000	0.000
WETLAND 5	0.00	0.00	0.00	0.000	0.000
WETLAND 6	0.00	0.00	0.00	0.000	0.000
WETLAND 7	0.00	0.00	0.00	0.000	0.000

Curve Number: Icpr3 [Set]

Land Cover Zone	Soil Zone	Curve Number [dec]
AirportBasin11	AirportBasin11	95.5
BASIN 15	BASIN 15	100.0
DS EAST	DS EAST	98.9
DS NORTH	DS NORTH	99.2

Land Cover Zone	Soil Zone	Curve Number [dec]
DS WEST	DS WEST	99.8
NG1	NG1	98.7
OFFSITE 1	OFFSITE 1	95.9
OFFSITE 2	OFFSITE 2	94.2
SWALE N2	SWALE N2	98.0
SWALE N3	SWALE N3	98.0
SWALE N4	SWALE N4	98.0
SWALE OFF1	SWALE OFF1	98.0
WETLAND 1	WETLAND 1	99.7
WETLAND 2	WETLAND 2	100.0
WETLAND 3	WETLAND 3	99.6
WETLAND 4	WETLAND 4	100.0
WETLAND 5	WETLAND 5	100.0
WETLAND 6	WETLAND 6	100.0
WETLAND 7	WETLAND 7	99.5

Node: AirportBasin11

Scenario: Icpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 25.00 ft
Warning Stage: 0.00 ft
Boundary Stage: Airport Basin 11

Comment:

Node: BASIN 15

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.63 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
23.60	0.0005	21
23.70	0.0274	1192
23.80	0.1325	5770
23.90	0.3171	13814
24.00	0.5064	22059
24.10	0.7594	33080
24.20	1.2808	55793
24.30	1.8643	81209
24.40	2.3524	102471

Stage [ft]	Area [ac]	Area [ft2]
24.50	2.8295	123253
24.60	3.5604	155093
24.70	4.3961	191492
24.80	5.3098	231295
24.90	6.5465	285167
25.00	7.5003	326714
25.10	8.1415	354643
25.20	8.6539	376965
25.30	9.0508	394255
25.40	9.4671	412386
25.50	10.0334	437055
25.60	10.6452	463706
25.70	11.0294	480442
25.80	11.2569	490351
25.90	11.3905	496172
26.00	11.4818	500149
26.10	11.5453	502912
26.20	11.5935	505015
26.30	11.6301	506605
26.40	11.6584	507840
26.50	11.6783	508707
26.60	11.6911	509266
26.70	11.7011	509700
26.80	11.7097	510076
26.90	11.7160	510349
27.00	11.7199	510519
27.10	11.7230	510656
27.20	11.7264	510803
27.30	11.7289	510910
27.40	11.7312	511012
27.50	11.7332	511099
27.60	11.7348	511167
27.70	11.7359	511215
27.80	11.7363	511232

Comment:

Node: DS EAST

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.40 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
21.20	0.0000	0

Stage [ft]	Area [ac]	Area [ft2]
21.30	0.0000	1
21.40	0.0001	4
21.50	0.0002	7
21.60	0.0003	12
21.70	0.0004	18
21.80	0.0006	25
21.90	0.0007	32
22.00	0.0010	42
22.10	0.0012	53
22.20	0.0019	82
22.30	0.0027	118
22.40	0.0038	166
22.50	0.0049	213
22.60	0.0060	261
22.70	0.0073	318
22.80	0.0088	385
22.90	0.0106	460
23.00	0.0129	561
23.10	0.0173	752
23.20	0.0262	1141
23.30	0.0425	1853
23.40	0.0714	3109
23.50	0.1190	5186
23.60	0.1948	8487
23.70	0.2948	12840
23.80	0.4352	18956
23.90	0.6355	27683
24.00	0.9192	40039
24.10	1.3719	59758
24.20	2.0866	90891
24.30	3.4139	148709
24.40	5.2858	230251
24.50	7.6738	334271
24.60	10.3549	451060
24.70	13.2065	575276
24.80	16.2251	706764
24.90	19.1916	835986
25.00	22.2129	967593
25.10	25.6505	1117335
25.20	29.7610	1296388
25.30	35.1621	1531661
25.40	41.6411	1813887
25.50	49.8391	2170991
25.60	60.9528	2655104
25.70	75.3616	3282752
25.80	93.3107	4064616
25.90	113.1643	4929438
26.00	129.4369	5638271
26.10	140.1336	6104219

Stage [ft]	Area [ac]	Area [ft2]
26.20	146.6056	6386139
26.30	150.6984	6564422
26.40	153.2368	6674995
26.50	155.0358	6753360
26.60	156.4935	6816856
26.70	157.6614	6867730
26.80	158.5486	6906378
26.90	159.2054	6934988
27.00	159.6920	6956185
27.10	160.0006	6969627
27.20	160.1706	6977029
27.30	160.2776	6981693
27.40	160.3375	6984300
27.50	160.3741	6985894
27.60	160.3964	6986866
27.70	160.4097	6987446
27.80	160.4152	6987686
27.90	160.4173	6987777
28.00	160.4182	6987816
28.10	160.4189	6987847
28.20	160.4195	6987875
28.30	160.4201	6987900
28.40	160.4206	6987924
28.50	160.4211	6987943
28.60	160.4215	6987960
28.70	160.4218	6987973
28.80	160.4220	6987982
28.90	160.4221	6987988
29.00	160.4222	6987991
29.10	160.4222	6987991

Comment:

Node: DS NORTH

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.63 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
23.45	0.0002	8
23.55	0.0009	39
23.65	0.0023	99
23.75	0.0063	277
23.85	0.0150	654

Stage [ft]	Area [ac]	Area [ft2]
23.95	0.0325	1414
24.05	0.0653	2843
24.15	0.1197	5212
24.25	0.2002	8721
24.35	0.3174	13826
24.45	0.4784	20839
24.55	0.6922	30154
24.65	0.9774	42577
24.75	1.3553	59036
24.85	1.8426	80265
24.95	2.4738	107759
25.05	3.3252	144844
25.15	4.5222	196988
25.25	6.5454	285117
25.35	10.2169	445049
25.45	17.4171	758689
25.55	29.6668	1292284
25.65	47.3214	2061320
25.75	70.2363	3059495
25.85	97.3335	4239847
25.95	125.1210	5450271
26.05	148.8340	6483208
26.15	166.7298	7262752
26.25	180.2565	7851973
26.35	192.4563	8383398
26.45	203.6237	8869848
26.55	212.7109	9265688
26.65	218.6225	9523198
26.75	221.4019	9644267
26.85	222.8253	9706271
26.95	223.8412	9750524
27.05	224.6283	9784809
27.15	225.2811	9813245
27.25	225.8137	9836444
27.35	226.2285	9854512
27.45	226.5554	9868754
27.55	226.8135	9879994
27.65	227.0261	9889256
27.75	227.1793	9895928
27.85	227.2802	9900328
27.95	227.3511	9903414
28.05	227.4008	9905580
28.15	227.4352	9907079
28.25	227.4560	9907984
28.35	227.4688	9908540
28.45	227.4767	9908887
28.55	227.4825	9909137
28.65	227.4875	9909357
28.75	227.4900	9909463

Stage [ft]	Area [ac]	Area [ft2]
28.85	227.4904	9909481
28.95	227.4904	9909482

Comment:

Node: DS WEST

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
22.75	0.0003	12
22.85	0.0020	87
22.95	0.0046	198
23.05	0.0091	395
23.15	0.0170	742
23.25	0.0283	1233
23.35	0.0442	1927
23.45	0.0714	3112
23.55	0.1103	4806
23.65	0.1634	7119
23.75	0.2427	10574
23.85	0.3487	15188
23.95	0.4844	21099
24.05	0.6646	28949
24.15	0.8922	38863
24.25	1.2019	52354
24.35	1.6280	70914
24.45	2.2010	95874
24.55	3.0148	131323
24.65	4.3902	191235
24.75	6.6037	287659
24.85	9.9744	434486
24.95	14.4759	630572
25.05	20.8452	908018
25.15	28.9567	1261354
25.25	39.1503	1705385
25.35	51.2171	2231019
25.45	63.5038	2766227
25.55	76.3192	3324463
25.65	89.0483	3878942
25.75	98.8483	4305831
25.85	104.4510	4549884
25.95	107.0093	4661327

Stage [ft]	Area [ac]	Area [ft2]
26.05	108.4847	4725595
26.15	109.6085	4774545
26.25	110.5154	4814052
26.35	111.2493	4846020
26.45	111.8549	4872401
26.55	112.3505	4893990
26.65	112.7604	4911844
26.75	113.1036	4926792
26.85	113.3792	4938797
26.95	113.6022	4948511
27.05	113.7841	4956435
27.15	113.9310	4962834
27.25	114.0562	4968288
27.35	114.1521	4972465
27.45	114.2269	4975724
27.55	114.2862	4978305
27.65	114.3361	4980482
27.75	114.3760	4982218
27.85	114.4079	4983607
27.95	114.4354	4984805
28.05	114.4559	4985698
28.15	114.4699	4986310
28.25	114.4801	4986753
28.35	114.4846	4986948
28.45	114.4880	4987097
28.55	114.4907	4987213
28.65	114.4930	4987315
28.75	114.4952	4987409
28.85	114.4972	4987498
28.95	114.4991	4987580
29.05	114.5009	4987658
29.15	114.5026	4987734
29.25	114.5043	4987809
29.35	114.5060	4987883
29.45	114.5077	4987955
29.55	114.5093	4988026
29.65	114.5109	4988095
29.75	114.5124	4988162
29.85	114.5139	4988226
29.95	114.5153	4988288
30.05	114.5167	4988348
30.15	114.5180	4988405
30.25	114.5193	4988460
30.35	114.5205	4988512
30.45	114.5216	4988562
30.55	114.5225	4988601
30.65	114.5233	4988636
30.75	114.5242	4988673
30.85	114.5250	4988710

Stage [ft]	Area [ac]	Area [ft2]
30.95	114.5258	4988745
31.05	114.5266	4988778
31.15	114.5273	4988809
31.25	114.5280	4988838
31.35	114.5286	4988866
31.45	114.5292	4988892
31.55	114.5297	4988916
31.65	114.5303	4988942
31.75	114.5310	4988969
31.85	114.5315	4988992
31.95	114.5319	4989011
32.05	114.5323	4989025
32.15	114.5325	4989036
32.25	114.5326	4989042
32.35	114.5327	4989044

Comment:

Node: DUMMY 1

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 24.84 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0010	44
999.00	0.0010	44

Comment:

Node: DUMMY 2

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 24.84 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0010	44
999.00	0.0010	44

Comment:

Node: Daniels Road

Scenario: Icpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 9999.00 ft
Warning Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	9999.00
0	0	0	99999.0000	9999.00

Comment: This is a dummy node used to connect a time vs flow rate curve to nodes internal to the development represnting inflows from the equalizer pipes under daniels parkway.

Node: EB OUTFALL DUMMY

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 24.84 ft
Warning Stage: 0.00 ft

Comment:

Node: EB TAILWATER

Scenario: Icpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 24.84 ft
Warning Stage: 0.00 ft
Boundary Stage: EB TAILWATER

Comment:

Node: Swale N2

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0010	44
999.00	0.0010	44

Comment:

Node: Swale N3

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0010	44
999.00	0.0010	44

Comment:

Node: Swale N4

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0010	44
999.00	0.0010	44

Comment:

Node: TC COMMERCIAL

Scenario: Icpr3
Type: Stage/Volume
Base Flow: 0.00 cfs
Initial Stage: 25.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Volume [ac-ft]	Volume [ft3]
20.30	0.00	0

Stage [ft]	Volume [ac-ft]	Volume [ft3]
20.40	0.00	2
20.50	0.00	31
20.60	0.00	115
20.70	0.01	269
20.80	0.01	499
20.90	0.02	835
21.00	0.03	1296
21.10	0.04	1880
21.20	0.06	2582
21.30	0.08	3412
21.40	0.10	4386
21.50	0.13	5535
21.60	0.16	6877
21.70	0.19	8411
21.80	0.23	10146
21.90	0.28	12120
22.00	0.33	14363
22.10	0.39	16888
22.20	0.45	19730
22.30	0.53	22951
22.40	0.61	26588
22.50	0.70	30663
22.60	0.81	35198
22.70	0.92	40276
22.80	1.06	46055
22.90	1.21	52655
23.00	1.38	60315
23.10	1.59	69163
23.20	1.82	79169
23.30	2.07	90340
23.40	2.36	102736
23.50	2.67	116313
23.60	3.01	131014
23.70	3.37	146832
23.80	3.76	163787
23.90	4.18	181930
24.00	4.62	201361
24.10	5.10	222199
24.20	5.61	244413
24.30	6.16	268309
24.40	6.76	294503
24.50	7.42	323168
24.60	8.15	355110
24.70	9.01	392328
24.80	9.99	435150
24.90	11.12	484221
25.00	12.40	540003
25.10	13.86	603646
25.20	15.53	676604

Stage [ft]	Volume [ac-ft]	Volume [ft3]
25.30	17.44	759877
25.40	19.62	854767
25.50	22.08	961713
25.60	24.78	1079351
25.70	27.67	1205304
25.80	30.73	1338568
25.90	33.97	1479666
26.00	37.38	1628324
26.10	40.91	1782246
26.20	44.52	1939479
26.30	48.19	2099086
26.40	51.89	2260352
26.50	55.62	2422768
26.60	59.37	2585987
26.70	63.13	2749787
26.80	66.90	2914054
26.90	70.68	3078743
27.00	74.47	3243829
27.10	78.27	3409272
27.20	82.07	3575064
27.30	85.89	3741195
27.40	89.71	3907670
27.50	93.54	4074517
27.60	97.38	4241752
27.70	101.22	4409338
27.80	105.08	4577233
27.90	108.94	4745416
28.00	112.81	4913885
28.10	116.68	5082642
28.20	120.56	5251676
28.30	124.45	5420962
28.40	128.34	5590479
28.50	132.24	5760208
28.60	136.14	5930141
28.70	140.04	6100272
28.80	143.95	6270598
28.90	147.87	6441113
29.00	151.79	6611802
29.10	155.71	6782658
29.20	159.63	6953673
29.30	163.56	7124843
29.40	167.50	7296159
29.50	171.43	7467613
29.60	175.37	7639201
29.70	179.31	7810922
29.80	183.26	7982777
29.90	187.21	8154764
30.00	191.16	8326886
30.10	195.11	8499149

Stage [ft]	Volume [ac-ft]	Volume [ft3]
30.20	199.07	8671561
30.30	203.03	8844136
30.40	207.00	9016885
30.50	210.97	9189813
30.60	214.94	9362913
30.70	218.92	9536169
30.80	222.90	9709563
30.90	226.88	9883076
31.00	230.87	10056695
31.10	234.86	10230411
31.20	238.85	10404208
31.30	242.84	10578077
31.40	246.83	10752008
31.50	250.83	10925992
31.60	254.82	11100024
31.70	258.82	11274091
31.80	262.81	11448183
31.90	266.81	11622294
32.00	270.81	11796415
32.10	274.81	11970541
32.20	278.80	12144669
32.30	282.80	12318798
32.40	286.80	12492926
32.50	290.80	12667055
32.60	294.79	12841184
32.70	298.79	13015312
32.80	302.79	13189441
32.90	306.79	13363569
33.00	310.78	13537698
33.10	314.78	13711827
33.20	318.78	13885955
33.30	322.78	14060084
33.40	326.77	14234212
33.50	330.77	14408341
33.60	334.77	14582470
33.70	338.76	14756598
33.80	342.76	14930727
33.90	346.76	15104855
34.00	350.76	15278984
20.29	0.00	0
19.00	0.00	0

Comment:

Node: TC TAILWATER

Scenario: Icpr3

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 25.00 ft
Warning Stage: 0.00 ft
Boundary Stage: TC TAILWATER

Comment:

Node: WETLAND 1

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
20.90	0.0081	353
21.00	0.0252	1099
21.10	0.0322	1403
21.20	0.0389	1695
21.30	0.0439	1914
21.40	0.0478	2080
21.50	0.0513	2235
21.60	0.0562	2447
21.70	0.0665	2896
21.80	0.0806	3510
21.90	0.1061	4621
22.00	0.1471	6407
22.10	0.2100	9146
22.20	0.2945	12829
22.30	0.3704	16134
22.40	0.4467	19456
22.50	0.5431	23655
22.60	0.7001	30497
22.70	0.9786	42627
22.80	1.3352	58159
22.90	1.7711	77148
23.00	2.2555	98249
23.10	2.8429	123835
23.20	3.5049	152674
23.30	4.1965	182800
23.40	6.0441	263281
23.50	8.6376	376253
23.60	11.6697	508333
23.70	19.1928	836038
23.80	27.1324	1181887

Stage [ft]	Area [ac]	Area [ft2]
23.90	36.4021	1585677
24.00	47.9088	2086908
24.10	59.9839	2612899
24.20	71.1005	3097138
24.30	82.6072	3598368
24.40	94.8654	4132337
24.50	106.7930	4651901
24.60	118.7530	5172879
24.70	130.5990	5688891
24.80	145.0503	6318392
24.90	162.7846	7090899
25.00	184.8940	8053984
25.10	211.8630	9228751
25.20	239.1976	10419449
25.30	264.3039	11513080
25.40	286.9683	12500338
25.50	308.0466	13418510
25.60	327.9213	14284253
25.70	347.0235	15116345
25.80	363.2700	15824040
25.90	375.2222	16344680
26.00	383.9274	16723878
26.10	390.8907	17027201
26.20	396.5549	17273931
26.30	401.5130	17489906
26.40	406.0852	17689071
26.50	409.5836	17841462
26.60	411.5737	17928148
26.70	412.5494	17970651
26.80	413.2163	17999700
26.90	413.7178	18021545
27.00	414.0979	18038103
27.10	414.3920	18050914
27.20	414.6120	18060498
27.30	414.7899	18068248
27.40	414.9433	18074931
27.50	415.0727	18080568
27.60	415.1851	18085464
27.70	415.2826	18089709
27.80	415.3731	18093653
27.90	415.4601	18097444
28.00	415.5456	18101167
28.10	415.6266	18104693
28.20	415.7042	18108073
28.30	415.7777	18111277
28.40	415.8467	18114283
28.50	415.9130	18117170
28.60	415.9805	18120110
28.70	416.0482	18123059

Stage [ft]	Area [ac]	Area [ft2]
28.80	416.1146	18125954
28.90	416.1809	18128840
29.00	416.2483	18131775
29.10	416.3190	18134855
29.20	416.3902	18137956
29.30	416.4642	18141179
29.40	416.5412	18144536
29.50	416.6132	18147671
29.60	416.6873	18150898
29.70	416.7596	18154050
29.80	416.8223	18156778
29.90	416.8700	18158859
30.00	416.9129	18160724
30.10	416.9537	18162505
30.20	416.9951	18164308
30.30	417.0335	18165981
30.40	417.0702	18167577
30.50	417.1075	18169203
30.60	417.1454	18170852
30.70	417.1827	18172480
30.80	417.2232	18174242
30.90	417.2607	18175875
31.00	417.2915	18177216
31.10	417.3197	18178448
31.20	417.3427	18179447
31.30	417.3562	18180038
31.40	417.3633	18180347
31.50	417.3668	18180499
31.60	417.3686	18180575
31.70	417.3698	18180630
31.80	417.3710	18180679
31.90	417.3719	18180722
32.00	417.3728	18180758
32.10	417.3731	18180774
32.20	417.3731	18180774

Comment:

Node: WETLAND 2

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.63 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
22.95	0.0015	64
23.05	0.0057	250
23.15	0.0122	533
23.25	0.0240	1045
23.35	0.0515	2245
23.45	0.1213	5285
23.55	0.2268	9880
23.65	0.3242	14124
23.75	0.4204	18311
23.85	0.5211	22700
23.95	0.6289	27395
24.05	0.7479	32577
24.15	0.8839	38501
24.25	1.0535	45890
24.35	1.5148	65984
24.45	2.5879	112731
24.55	3.6381	158477
24.65	5.0641	220591
24.75	6.9883	304412
24.85	8.8748	386584
24.95	10.6483	463841
25.05	13.0490	568413
25.15	16.2767	709014
25.25	19.8856	866215
25.35	23.9347	1042596
25.45	28.0439	1221590
25.55	32.4607	1413988
25.65	36.4287	1586832
25.75	39.3827	1715510
25.85	41.4673	1806316
25.95	42.7683	1862985
26.05	43.4985	1894793
26.15	43.9200	1913153
26.25	44.1808	1924515
26.35	44.3563	1932159
26.45	44.4740	1937289
26.55	44.5568	1940895
26.65	44.6025	1942885
26.75	44.6345	1944279
26.85	44.6592	1945356
26.95	44.6760	1946087
27.05	44.6883	1946624
27.15	44.6966	1946984
27.25	44.7021	1947226
27.35	44.7063	1947406
27.45	44.7089	1947520
27.55	44.7104	1947583
27.65	44.7112	1947620
27.75	44.7118	1947646

Stage [ft]	Area [ac]	Area [ft2]
27.85	44.7123	1947666
27.95	44.7126	1947680
28.05	44.7128	1947690
28.15	44.7130	1947696
28.25	44.7130	1947698

Comment:

Node: WETLAND 3

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
20.25	0.0000	2
20.35	0.0003	13
20.45	0.0009	37
20.55	0.0017	74
20.65	0.0031	134
20.75	0.0070	304
20.85	0.0095	416
20.95	0.0123	535
21.05	0.0153	665
21.15	0.0185	807
21.25	0.0221	963
21.35	0.0258	1123
21.45	0.0295	1285
21.55	0.0333	1450
21.65	0.0371	1617
21.75	0.0411	1792
21.85	0.0457	1991
21.95	0.0521	2268
22.05	0.0650	2829
22.15	0.1004	4372
22.25	0.2143	9336
22.35	0.4802	20915
22.45	1.1926	51947
22.55	2.2784	99249
22.65	3.3189	144572
22.75	4.2995	187288
22.85	5.1143	222778
22.95	5.8301	253961
23.05	6.4584	281327
23.15	7.0354	306463

Stage [ft]	Area [ac]	Area [ft2]
23.25	7.9272	345308
23.35	9.6814	421720
23.45	12.2890	535309
23.55	14.9356	650596
23.65	17.5774	765670
23.75	20.6636	900106
23.85	24.8754	1083573
23.95	28.9207	1259786
24.05	32.0864	1397682
24.15	34.8124	1516427
24.25	37.2088	1620817
24.35	39.3864	1715671
24.45	41.4200	1804253
24.55	43.6012	1899270
24.65	45.8868	1998830
24.75	48.6920	2121021
24.85	52.2355	2275379
24.95	57.0535	2485249
25.05	63.4092	2762104
25.15	69.9537	3047183
25.25	75.0034	3267148
25.35	78.3647	3413566
25.45	80.4698	3505264
25.55	81.7533	3561175
25.65	82.5735	3596902
25.75	83.1184	3620637
25.85	83.4645	3635715
25.95	83.6797	3645088
26.05	83.8162	3651035
26.15	83.9210	3655597
26.25	83.9957	3658853
26.35	84.0556	3661462
26.45	84.1027	3663512
26.55	84.1395	3665119
26.65	84.1686	3666385
26.75	84.1897	3667304
26.85	84.2063	3668027
26.95	84.2204	3668641
27.05	84.2306	3669084
27.15	84.2387	3669439
27.25	84.2434	3669642
27.35	84.2461	3669762
27.45	84.2472	3669807
27.55	84.2475	3669819
27.65	84.2475	3669820

Comment:

Node: WETLAND 4

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.20 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
20.35	0.0000	1
20.45	0.0001	5
20.55	0.0003	13
20.65	0.0006	26
20.75	0.0013	55
20.85	0.0037	161
20.95	0.0080	347
21.05	0.0121	525
21.15	0.0187	816
21.25	0.0395	1720
21.35	0.0848	3695
21.45	0.1415	6166
21.55	0.2045	8909
21.65	0.2937	12792
21.75	0.4893	21313
21.85	0.9291	40471
21.95	1.9690	85771
22.05	3.8801	169016
22.15	6.0530	263668
22.25	8.0512	350708
22.35	9.5793	417274
22.45	10.9331	476244
22.55	12.0956	526886
22.65	13.1301	571945
22.75	14.0045	610036
22.85	14.7655	643185
22.95	15.4368	672427
23.05	16.0038	697126
23.15	16.5463	720757
23.25	17.0657	743383
23.35	17.5925	766329
23.45	18.1157	789121
23.55	18.6621	812921
23.65	19.1869	835781
23.75	19.7069	858431
23.85	20.2534	882237
23.95	20.9923	914426
24.05	21.9054	954199
24.15	23.2476	1012667
24.25	24.9656	1087501
24.35	26.8433	1169294
24.45	28.7398	1251908

Stage [ft]	Area [ac]	Area [ft2]
24.55	30.7782	1340700
24.65	32.8907	1432719
24.75	35.3965	1541870
24.85	38.0644	1658085
24.95	40.5161	1764879
25.05	42.2277	1839437
25.15	43.2036	1881951
25.25	43.8065	1908210
25.35	44.2113	1925846
25.45	44.5199	1939285
25.55	44.7366	1948727
25.65	44.8749	1954749
25.75	44.9673	1958776
25.85	45.0277	1961408
25.95	45.0650	1963033
26.05	45.0879	1964029
26.15	45.1034	1964703
26.25	45.1154	1965225
26.35	45.1240	1965602
26.45	45.1316	1965932
26.55	45.1374	1966184
26.65	45.1410	1966340
26.75	45.1437	1966461
26.85	45.1456	1966544
26.95	45.1477	1966635
27.05	45.1478	1966636

Comment:

Node: WETLAND 5

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.16 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
23.25	0.0000	2
23.35	0.0003	15
23.45	0.0015	66
23.55	0.0039	172
23.65	0.0089	387
23.75	0.0192	837
23.85	0.0444	1933
23.95	0.1061	4623
24.05	0.2889	12586

Stage [ft]	Area [ac]	Area [ft2]
24.15	0.6509	28352
24.25	1.4720	64119
24.35	2.9442	128249
24.45	5.2076	226842
24.55	8.3211	362469
24.65	12.0321	524118
24.75	15.8953	692397
24.85	19.5154	850089
24.95	22.6886	988316
25.05	25.0979	1093267
25.15	26.6360	1160263
25.25	27.5170	1198640
25.35	27.9920	1219333
25.45	28.2861	1232141
25.55	28.5201	1242337
25.65	28.6909	1249775
25.75	28.8080	1254876
25.85	28.8969	1258749
25.95	28.9726	1262044
26.05	29.0355	1264786
26.15	29.0798	1266716
26.25	29.1152	1268259
26.35	29.1407	1269369
26.45	29.1584	1270139
26.55	29.1720	1270732
26.65	29.1830	1271210
26.75	29.1890	1271474
26.85	29.1922	1271613
26.95	29.1946	1271719
27.05	29.1966	1271802
27.15	29.1982	1271873
27.25	29.1996	1271934
27.35	29.2008	1271986
27.45	29.2018	1272029
27.55	29.2025	1272061
27.65	29.2030	1272084
27.75	29.2034	1272100
27.85	29.2035	1272106
27.95	29.2036	1272107

Comment:

Node: WETLAND 6

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 25.12 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
21.60	0.0007	31
21.70	0.0028	122
21.80	0.0085	369
21.90	0.0600	2614
22.00	0.2728	11883
22.10	0.5938	25864
22.20	0.8636	37618
22.30	1.0587	46117
22.40	1.2224	53246
22.50	1.3489	58759
22.60	1.4420	62815
22.70	1.5405	67103
22.80	1.6482	71797
22.90	1.7628	76788
23.00	1.8823	81994
23.10	1.9981	87036
23.20	2.1086	91849
23.30	2.2069	96133
23.40	2.3093	100592
23.50	2.4088	104928
23.60	2.4954	108699
23.70	2.6013	113312
23.80	2.7576	120120
23.90	2.9143	126949
24.00	3.1035	135190
24.10	3.2755	142681
24.20	3.4320	149496
24.30	3.5808	155981
24.40	3.7293	162449
24.50	3.9264	171035
24.60	4.3111	187791
24.70	4.8521	211356
24.80	5.6171	244680
24.90	6.5833	286769
25.00	7.2854	317354
25.10	7.7556	337834
25.20	8.0799	351962
25.30	8.2855	360917
25.40	8.4076	366235
25.50	8.4771	369262
25.60	8.5142	370877
25.70	8.5375	371893
25.80	8.5557	372687
25.90	8.5723	373410
26.00	8.5850	373964
26.10	8.5946	374379

Stage [ft]	Area [ac]	Area [ft2]
26.20	8.6021	374706
26.30	8.6084	374982
26.40	8.6143	375238
26.50	8.6190	375445
26.60	8.6224	375594
26.70	8.6247	375693
26.80	8.6264	375766
26.90	8.6280	375837
27.00	8.6296	375907
27.10	8.6310	375969
27.20	8.6320	376008
27.30	8.6324	376027
27.40	8.6325	376030
27.50	8.6325	376032
27.60	8.6325	376033
27.70	8.6325	376033

Comment:

Node: WETLAND 7

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 24.84 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
21.25	0.0013	55
21.35	0.0069	301
21.45	0.1085	4727
21.55	0.4416	19237
21.65	0.9160	39901
21.75	1.3235	57652
21.85	1.6243	70754
21.95	1.8952	82553
22.05	2.1718	94603
22.15	2.4445	106480
22.25	2.7631	120360
22.35	3.1695	138065
22.45	3.6373	158442
22.55	4.1311	179952
22.65	4.6277	201584
22.75	5.1183	222952
22.85	5.6816	247491
22.95	7.0229	305917
23.05	11.7277	510858

Stage [ft]	Area [ac]	Area [ft2]
23.15	18.3317	798530
23.25	23.8788	1040160
23.35	28.8173	1255283
23.45	33.5439	1461172
23.55	37.6619	1640554
23.65	41.1725	1793474
23.75	44.4821	1937641
23.85	47.5951	2073242
23.95	50.8277	2214054
24.05	54.3090	2365702
24.15	57.7458	2515409
24.25	60.8286	2649693
24.35	63.6714	2773526
24.45	66.5909	2900699
24.55	69.3983	3022991
24.65	71.8461	3129616
24.75	73.8531	3217041
24.85	75.5379	3290431
24.95	77.0152	3354781
25.05	78.3493	3412896
25.15	79.4664	3461558
25.25	80.4439	3504136
25.35	81.4160	3546480
25.45	82.3273	3586178
25.55	83.1676	3622779
25.65	83.9207	3655586
25.75	84.6296	3686466
25.85	85.3239	3716710
25.95	85.9586	3744355
26.05	86.4819	3767152
26.15	86.9038	3785531
26.25	87.2418	3800251
26.35	87.5513	3813736
26.45	87.8404	3826329
26.55	88.1017	3837711
26.65	88.3646	3849160
26.75	88.6188	3860236
26.85	88.8332	3869575
26.95	89.0085	3877210
27.05	89.1207	3882099
27.15	89.1862	3884950
27.25	89.2437	3887456
27.35	89.2909	3889511
27.45	89.3311	3891261
27.55	89.3533	3892228
27.65	89.3665	3892804
27.75	89.3765	3893241
27.85	89.3850	3893611
27.95	89.3937	3893991

Stage [ft]	Area [ac]	Area [ft2]
28.05	89.4000	3894263
28.15	89.4048	3894472
28.25	89.4066	3894551
28.35	89.4068	3894562

Comment: Stage Storage provided via County Lidar

Channel Link: CH-DMY1-DMY2		Upstream		Downstream	
Scenario:	Icpr3	Invert:	23.41 ft	Invert:	23.16 ft
From Node:	DUMMY 1	Manning's N:	0.0210	Manning's N:	0.0210
To Node:	DUMMY 2	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	999.00 ft	Max Depth:	999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	2.00 ft	Bottom Width:	2.00 ft
Length:	289.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.20	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.20	Op Table:		Op Table:	
Bend Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH-SW1-SW2		Upstream		Downstream	
Scenario:	Icpr3	Invert:	23.35 ft	Invert:	23.35 ft
From Node:	TC COMMERCIAL	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	Swale N2	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	1264.66 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.10	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0300	Manning's N:	0.0300
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft

		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0300	Manning's N:	0.0300
Comment:					

Channel Link: CH-SWN2-SWN3		Upstream		Downstream	
Scenario:	Icpr3	Invert:	23.35 ft	Invert:	23.35 ft
From Node:	Swale N2	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	Swale N3	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	1276.49 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.10	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0300	Manning's N:	0.0300
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0300	Manning's N:	0.0300
Comment:					

Channel Link: CH-SWN3-SWN4		Upstream		Downstream	
Scenario:	Icpr3	Invert:	23.35 ft	Invert:	23.35 ft
From Node:	Swale N3	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	Swale N4	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	1719.15 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.10	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0300	Manning's N:	0.0300
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0300	Manning's N:	0.0300

Comment:

Channel Link: CH-SWN4-TC OUTFALL		Upstream		Downstream	
Scenario:	Icpr3	Invert:	23.35 ft	Invert:	23.35 ft
From Node:	Swale N4	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	TC TAILWATER	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	70.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.10	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0300	Manning's N:	0.0300
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0300	Manning's N:	0.0300

Comment:

Pipe Link: P-DS WEST-DUMMY 1		Upstream		Downstream	
Scenario:	Icpr3	Invert:	23.12 ft	Invert:	23.41 ft
From Node:	DS WEST	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	DUMMY 1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0010 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	31.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-EB OUTFALL DMY-EB TW		Upstream		Downstream	
Scenario:	Icpr3	Invert:	21.95 ft	Invert:	21.84 ft

From Node:	EB OUTFALL	Manning's N:	0.0120	Manning's N:	0.0120
	DUMMY	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
To Node:	EB TAILWATER	Max Depth:	3.17 ft	Max Depth:	3.17 ft
Link Count:	2	Bottom Clip			
Flow Direction:	None	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0001 ft	Op Table:		Op Table:	
Length:	36.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: P1-W7-EB DMY		Upstream		Downstream	
Scenario:	Icpr3	Invert:	23.65 ft	Invert:	23.75 ft
From Node:	WETLAND 7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EB OUTFALL	Geometry: Circular		Geometry: Circular	
	DUMMY	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	2	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0010 ft	Op Table:		Op Table:	
Length:	31.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: P2-W7-EB DMY		Upstream		Downstream	
Scenario:	Icpr3	Invert:	24.16 ft	Invert:	24.14 ft
From Node:	WETLAND 7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EB OUTFALL	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
	DUMMY	Max Depth:	2.83 ft	Max Depth:	2.83 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0010 ft	Op Table:		Op Table:	
Length:	31.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	

Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: P3-W7-EB DMY		Upstream		Downstream	
Scenario:	Icpr3	Invert:	23.41 ft	Invert:	23.41 ft
From Node:	WETLAND 7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EB OUTFALL	Geometry: Circular		Geometry: Circular	
	DUMMY	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0010 ft	Op Table:		Op Table:	
Length:	31.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: P4-W7-EB DMY		Upstream		Downstream	
Scenario:	Icpr3	Invert:	22.84 ft	Invert:	22.76 ft
From Node:	WETLAND 7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EB OUTFALL	Geometry: Circular		Geometry: Circular	
	DUMMY	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0010 ft	Op Table:		Op Table:	
Length:	31.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: P5-W7-EB DMY		Upstream		Downstream	
Scenario:	Icpr3	Invert:	22.75 ft	Invert:	22.68 ft
From Node:	WETLAND 7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EB OUTFALL	Geometry: Circular		Geometry: Circular	

	DUMMY	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0010 ft	Op Table:		Op Table:	
Length:	31.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: B15 TO DS WEST

Scenario:	Icpr3	Bottom Clip	
From Node:	BASIN 15	Default:	0.00 ft
To Node:	DS WEST	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0010 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	24.87 ft	Discharge Coefficients	
Control Elevation:	25.63 ft	Weir Default:	2.800
Cross Section:	B15 TO DS WEST	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: B15 TO WETLAND 2

Scenario:	Icpr3	Bottom Clip	
From Node:	BASIN 15	Default:	0.00 ft
To Node:	WETLAND 2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0010 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	24.83 ft	Discharge Coefficients	
Control Elevation:	25.63 ft	Weir Default:	2.800
Cross Section:	B15 TO WETLAND 2	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: DS EAST TO WETLAND 5

Scenario:	Icpr3
From Node:	DS EAST
To Node:	WETLAND 5
Link Count:	1
Flow Direction:	Both
Damping:	0.0010 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	24.77 ft
Control Elevation:	25.40 ft
Cross Section:	DS EAST TO WETLAND 5

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: DS NORTH TO B15

Scenario:	Icpr3
From Node:	DS NORTH
To Node:	BASIN 15
Link Count:	1
Flow Direction:	Both
Damping:	0.0010 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	24.91 ft
Control Elevation:	25.63 ft
Cross Section:	DS NORTH TO B15

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: OW-DANIELS SOUTH- ESTERO BAY

Scenario:	Icpr3
From Node:	WETLAND 7
To Node:	EB TAILWATER
Link Count:	1
Flow Direction:	None
Damping:	0.0010 ft
Weir Type:	Gravel Road Vertical
Geometry Type:	Irregular
Invert:	25.20 ft
Control Elevation:	25.00 ft
Cross Section:	OW-WETLAND 7 TO EB TAILWATER

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600

Orifice Table:

Comment:

Weir Link: OW-DS EAST-WETLAND 6

Scenario:	Icpr3
From Node:	DS EAST
To Node:	WETLAND 6
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	23.77 ft
Control Elevation:	25.40 ft
Cross Section:	OW-DS EAST-WETLAND 6

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OW-DS EAST-WETLAND 7

Scenario:	Icpr3
From Node:	DS EAST
To Node:	WETLAND 7
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	23.75 ft
Control Elevation:	25.40 ft
Cross Section:	OW-DS EAST-WETLAND 7

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients

Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Weir Link: OW-DS NORTH-WETLAND 2

Scenario:	Icpr3
From Node:	DS NORTH
To Node:	WETLAND 2
Link Count:	1
Flow Direction:	Both

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:

Top Clip

Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	24.93 ft
Control Elevation:	25.63 ft
Cross Section:	OW-DS NORTH-WETLAND 2

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: OW-DS WEST-WETLAND 4

Scenario:	Icpr3
From Node:	DS WEST
To Node:	WETLAND 4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	24.67 ft
Control Elevation:	25.50 ft
Cross Section:	OW-DS WEST-WETLAND 4

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: OW-DS WEST-WETLAND 5

Scenario:	Icpr3
From Node:	DS WEST
To Node:	WETLAND 5
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	22.95 ft
Control Elevation:	25.50 ft
Cross Section:	OW-DS WEST-WETLAND 5

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: OW-WETLAND 2-DS EAST

Scenario:	Icpr3
From Node:	WETLAND 2
To Node:	DS EAST
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	23.99 ft
Control Elevation:	25.63 ft
Cross Section:	OW-WETLAND 2-DS EAST

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: OW-WETLAND 2-WETLAND 3

Scenario:	Icpr3
From Node:	WETLAND 2
To Node:	WETLAND 3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	24.46 ft
Control Elevation:	25.63 ft
Cross Section:	OW-WETLAND 2-WETLAND 3

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: OW-WETLAND 3-DS EAST

Scenario:	Icpr3
From Node:	WETLAND 3
To Node:	DS EAST
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	24.22 ft
Control Elevation:	25.50 ft
Cross Section:	OW-WETLAND 3-DS EAST

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600

	Orifice Table:

Comment:

Weir Link: OW-WETLAND 3-DS WEST

Scenario:	Icpr3	Bottom Clip	
From Node:	WETLAND 3	Default:	0.00 ft
To Node:	DS WEST	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	24.95 ft	Discharge Coefficients	
Control Elevation:	25.50 ft	Weir Default:	2.800
Cross Section:	OW-WETLAND 3-DS WEST	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: OW-WETLAND 3-WETLAND 4

Scenario:	Icpr3	Bottom Clip	
From Node:	WETLAND 3	Default:	0.00 ft
To Node:	WETLAND 4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	24.71 ft	Discharge Coefficients	
Control Elevation:	25.50 ft	Weir Default:	2.800
Cross Section:	OW-WETLAND 3-WETLAND 4	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: OW-WETLAND 4-DS EAST

Scenario:	Icpr3	Bottom Clip	
From Node:	WETLAND 4	Default:	0.00 ft
To Node:	DS EAST	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Irregular	Op Table:	
Invert:	23.65 ft	Ref Node:	
Control Elevation:	25.40 ft	Discharge Coefficients	
Cross Section:	OW-WETLAND 4-DS EAST	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: OW-WETLAND 4-WETLAND 5

Scenario:	Icpr3	Bottom Clip	
From Node:	WETLAND 4	Default:	0.00 ft
To Node:	WETLAND 5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	24.79 ft	Discharge Coefficients	
Control Elevation:	25.20 ft	Weir Default:	2.800
Cross Section:	OW-WETLAND 4-WETLAND 5	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: OW-WETLAND 5-WETLAND 7

Scenario:	Icpr3	Bottom Clip	
From Node:	WETLAND 5	Default:	0.00 ft
To Node:	WETLAND 7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	24.94 ft	Discharge Coefficients	
Control Elevation:	25.16 ft	Weir Default:	2.800
Cross Section:	OW-WETLAND 5-WETLAND 7	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: OW-WETLAND 6-WETLAND 7			
Scenario:	Icpr3	**Bottom Clip**	
From Node:	WETLAND 6	Default:	0.00 ft
To Node:	WETLAND 7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	24.36 ft	**Discharge Coefficients**	
Control Elevation:	25.12 ft	Weir Default:	2.800
Cross Section:	OW-WETLAND 6- WETLAND 7	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Drop Structure Link: DS-DMY2-EB TW		Upstream Pipe		Downstream Pipe	
Scenario:	Icpr3	Invert:	23.16 ft	Invert:	23.16 ft
From Node:	DUMMY 2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EB TAILWATER	**Geometry: Horizontal Ellipse**		**Geometry: Horizontal Ellipse**	
Link Count:	1	Max Depth:	2.83 ft	Max Depth:	2.83 ft
Flow Direction:	None	**Bottom Clip**			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0010 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	31.00 ft	**Top Clip**			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	**Bottom Clip**	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	**Top Clip**	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	25.50 ft	Op Table:	
Control Elevation:	25.50 ft	Ref Node:	
Max Depth:	999.00 ft	**Discharge Coefficients**	
Max Width:	999.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	

Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS-WETLAND 1-SWALE N2		Upstream Pipe		Downstream Pipe	
Scenario:	Icpr3	Invert:	22.53 ft	Invert:	23.60 ft
From Node:	WETLAND 1	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	Swale N2	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	1.58 ft	Max Depth:	1.58 ft
Flow Direction:	Both	Bottom Clip		Bottom Clip	
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0010 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	195.00 ft	Top Clip		Top Clip	
FHWA Code:	30	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0100 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	25.50 ft	Op Table:	
Control Elevation:	25.00 ft	Ref Node:	
Max Depth:	9999.00 ft	Discharge Coefficients	
Max Width:	9999.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS-WETLAND 1-SWALE N3		Upstream Pipe		Downstream Pipe	
		Invert:	22.36 ft	Invert:	23.34 ft
Scenario:	Icpr3	Manning's N:	0.0140	Manning's N:	0.0140
From Node:	WETLAND 1	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
To Node:	Swale N3	Max Depth:	1.17 ft	Max Depth:	1.17 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0010 ft	Top Clip			
Length:	206.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	30	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	1.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0100 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	25.50 ft	Ref Node:	
Control Elevation:	25.00 ft	Discharge Coefficients	
Max Depth:	9999.00 ft	Weir Default:	3.200
Max Width:	9999.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS-WETLAND 1-SWALE N4		Upstream Pipe		Downstream Pipe	
		Invert:	24.08 ft	Invert:	24.11 ft
Scenario:	Icpr3	Manning's N:	0.0140	Manning's N:	0.0140
From Node:	WETLAND 1	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
To Node:	Swale N4	Max Depth:	1.17 ft	Max Depth:	1.17 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	

Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0010 ft	Top Clip			
Length:	204.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	30	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	1.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0100 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	25.50 ft	Op Table:	
Control Elevation:	25.00 ft	Ref Node:	
Max Depth:	9999.00 ft	Discharge Coefficients	
Max Width:	9999.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS-WETLAND 1-TC COMMERCIAL		Upstream Pipe		Downstream Pipe	
		Invert:	22.23 ft	Invert:	22.10 ft
Scenario:	Icpr3	Manning's N:	0.0140	Manning's N:	0.0140
From Node:	WETLAND 1	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
To Node:	TC COMMERCIAL	Max Depth:	1.58 ft	Max Depth:	1.58 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0010 ft	Top Clip			
Length:	187.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	30	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	1.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0100 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	25.50 ft	Ref Node:	
Control Elevation:	25.00 ft	**Discharge Coefficients**	
Max Depth:	9999.00 ft	Weir Default:	3.200
Max Width:	9999.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS1-WETLAND 1-TIMBER CREEK OUTFALL		Upstream Pipe		Downstream Pipe	
Scenario:	Icpr3	Invert:	24.74 ft	Invert:	23.88 ft
From Node:	WETLAND 1	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	TC TAILWATER	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	1.17 ft	Max Depth:	1.17 ft
Flow Direction:	Both	**Bottom Clip**			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0010 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	160.00 ft	**Top Clip**			
FHWA Code:	30	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0100 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular		

Invert:	25.50 ft
Control Elevation:	25.00 ft
Max Depth:	9999.00 ft
Max Width:	9999.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	

Discharge Coefficients

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

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS1-WETLAND 1-AIRPORT BASIN 11	
Scenario:	Icpr3
From Node:	WETLAND 1
To Node:	AirportBasin11
Link Count:	1
Flow Direction:	Both
Solution:	Combine
Increments:	0
Pipe Count:	1
Damping:	0.0010 ft
Length:	52.00 ft
FHWA Code:	1
Entr Loss Coef:	0.50
Exit Loss Coef:	1.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Upstream Pipe	
Invert:	23.50 ft
Manning's N:	0.0140
Geometry: Circular	
Max Depth:	2.00 ft
Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Downstream Pipe	
Invert:	23.50 ft
Manning's N:	0.0140
Geometry: Circular	
Max Depth:	2.00 ft
Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Pipe Comment:

Weir Component

Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	25.50 ft
Control Elevation:	25.50 ft
Max Depth:	999.00 ft
Max Width:	999.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

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

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS2-WETLAND 1-AIRPORT BASIN 11		Upstream Pipe		Downstream Pipe	
		Invert:	23.50 ft	Invert:	23.50 ft
Scenario:	Icpr3	Manning's N:	0.0140	Manning's N:	0.0140
From Node:	WETLAND 1	Geometry: Circular		Geometry: Circular	
To Node:	AirportBasin11	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0010 ft	Top Clip			
Length:	36.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	1	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	1.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	25.50 ft	Ref Node:	
Control Elevation:	25.50 ft	Discharge Coefficients	
Max Depth:	999.00 ft	Weir Default:	3.200
Max Width:	999.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS2-WETLAND 1-TIMBER CREEK OUTFALL		Upstream Pipe		Downstream Pipe	
		Invert:	24.26 ft	Invert:	24.25 ft
Scenario:	Icpr3	Manning's N:	0.0140	Manning's N:	0.0140
From Node:	WETLAND 1	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	

To Node:	TC COMMERCIAL	Max Depth:	1.17 ft	Max Depth:	1.17 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	2	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0010 ft	Top Clip			
Length:	177.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	30	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	1.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0100 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	25.50 ft	Op Table:	
Control Elevation:	25.00 ft	Ref Node:	
Max Depth:	9999.00 ft	Discharge Coefficients	
Max Width:	9999.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS3-WETLAND 1-AIRPORT BASIN 11		Upstream Pipe		Downstream Pipe	
		Invert:	23.50 ft	Invert:	23.50 ft
Scenario:	Icpr3	Manning's N:	0.0140	Manning's N:	0.0140
From Node:	WETLAND 1	Geometry: Circular		Geometry: Circular	
To Node:	AirportBasin11	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0010 ft	Top Clip			
Length:	33.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	1	Op Table:		Op Table:	

Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	1.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	25.50 ft	Ref Node:	
Control Elevation:	25.50 ft	**Discharge Coefficients**	
Max Depth:	999.00 ft	Weir Default:	3.200
Max Width:	999.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS4-WETLAND 1-AIRPORT BASIN 11		Upstream Pipe		Downstream Pipe	
Scenario:	Icpr3	Invert:	23.50 ft	Invert:	23.50 ft
From Node:	WETLAND 1	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	AirportBasin11	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0010 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	31.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip
Weir:	1	

Weir Count:	1		
Weir Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:	
Weir Type:	Sharp Crested Vertical	Ref Node:	
Geometry Type:	Rectangular	**Top Clip**	
Invert:	25.50 ft	Default:	0.00 ft
Control Elevation:	25.50 ft	Op Table:	
Max Depth:	999.00 ft	Ref Node:	
Max Width:	999.00 ft	**Discharge Coefficients**	
Fillet:	0.00 ft	Weir Default:	3.200
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Rating Curve Link: CS1-DRD-N3

Scenario: Icpr3
From Node: Daniels Road
To Node: Swale N3
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-12	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS1-DRD-N4

Scenario: Icpr3
From Node: Daniels Road
To Node: Swale N4
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-11	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS1-DRD-TC COM

Scenario: Icpr3
From Node: Daniels Road
To Node: TC COMMERCIAL
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-14	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS1-DRD-TC OUTFALL

Scenario: Icpr3
From Node: Daniels Road
To Node: TC TAILWATER
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-7	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS1-DS1-DRD

Scenario: Icpr3
From Node: Daniels Road
To Node: WETLAND 1
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-9	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS2-DRD-TC COM

Scenario: Icpr3
From Node: Daniels Road
To Node: TC COMMERCIAL
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-15	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS2-DRD-TC OUTFALL

Scenario: Icpr3
From Node: Daniels Road
To Node: TC TAILWATER
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-8	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS2-DS1-DRD

Scenario: Icpr3
From Node: Daniels Road
To Node: WETLAND 1
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-13	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS3-DRD-TC COM

Scenario: Icpr3
From Node: Daniels Road
To Node: TC COMMERCIAL
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-16	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS3-DRD-TC OUTFALL

Scenario: Icpr3
From Node: Daniels Road
To Node: TC TAILWATER
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-10	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Weir Cross Section: B15 TO DS WEST

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	25.99
2	0.03	25.99
3	6.38	25.74
4	11.01	25.69
5	13.93	25.61
6	20.39	25.70
7	21.49	25.70
8	21.99	25.69
9	29.05	25.49
10	32.97	25.44
11	36.60	25.44
12	43.94	25.57
13	44.16	25.57
14	44.63	25.59
15	51.71	25.80
16	54.92	25.74
17	59.27	25.77
18	65.90	25.51
19	66.83	25.46
20	68.88	25.57
21	74.38	25.82
22	76.87	25.86
23	83.49	25.76
24	87.85	25.67
25	89.50	25.63
26	93.13	25.66
27	97.05	25.67
28	98.83	25.64
29	103.55	25.56

Order	Station [ft]	Elevation [ft]
30	109.81	25.49
31	117.37	25.48
32	120.78	25.53
33	123.61	25.58
34	131.76	25.60
35	141.62	25.48
36	142.39	25.46
37	142.74	25.46
38	149.94	25.87
39	153.71	25.89
40	163.72	25.54
41	164.69	25.50
42	165.86	25.50
43	172.61	25.54
44	175.67	25.47
45	180.17	25.38
46	186.65	25.43
47	187.73	25.43
48	190.11	25.51
49	195.28	25.61
50	197.62	25.59
51	203.84	25.63
52	208.60	25.61
53	209.73	25.63
54	210.42	25.64
55	215.64	25.64
56	219.21	25.64
57	221.05	25.64
58	229.77	25.64
59	237.07	25.66
60	240.34	25.66
61	241.94	25.63
62	246.65	25.60
63	250.90	25.56
64	253.10	25.60
65	261.47	25.94
66	269.12	25.87
67	272.03	25.80
68	277.66	25.76
69	281.34	25.75
70	282.59	25.73
71	289.22	25.70
72	293.16	25.63
73	297.10	25.47
74	303.72	25.43
75	304.98	25.43
76	308.67	25.42
77	314.29	25.44
78	320.74	25.52

Order	Station [ft]	Elevation [ft]
79	324.85	25.53
80	328.62	25.60
81	335.42	25.77
82	339.68	25.85
83	344.38	25.89
84	345.98	25.92
85	352.26	25.94
86	356.55	25.93
87	360.14	25.88
88	367.11	25.80
89	368.02	25.78
90	370.68	25.99
91	377.67	26.49
92	379.14	26.37
93	383.55	26.06
94	388.71	25.44
95	391.03	25.47
96	395.83	25.46
97	398.52	25.42
98	399.82	25.50
99	403.57	25.51
100	410.93	25.64
101	413.49	25.97
102	418.31	26.41
103	426.79	26.89
104	428.35	26.94
105	433.80	27.05
106	438.59	26.81
107	446.10	26.32
108	448.84	26.39
109	453.13	26.62
110	459.08	26.38
111	466.29	26.65
112	469.32	26.58
113	479.46	26.49
114	479.57	26.49
115	479.94	26.51
116	488.02	26.49
117	489.81	26.61
118	496.40	26.26
119	500.05	26.45
120	504.78	26.14
121	510.30	26.32
122	512.75	26.37
123	513.13	26.39
124	520.88	26.54
125	520.89	26.54
126	520.89	26.54
127	531.58	26.16

Order	Station [ft]	Elevation [ft]
128	538.15	26.52
129	542.28	26.65
130	549.02	26.71
131	552.98	26.47
132	555.40	26.62
133	563.68	26.36
134	572.66	26.51
135	574.38	26.53
136	577.17	26.57
137	580.23	26.46
138	585.03	26.30
139	589.46	26.36
140	595.64	26.08
141	605.90	26.38
142	606.25	26.39
143	606.90	26.39
144	616.86	26.12
145	622.34	26.60
146	627.47	26.56
147	636.83	26.70
148	638.08	26.61
149	638.77	26.66
150	639.04	26.65
151	648.45	26.35
152	652.83	26.00
153	658.78	25.80
154	666.84	26.02
155	669.12	25.98
156	675.54	26.21
157	676.01	26.23
158	678.53	26.27
159	679.56	26.27
160	686.35	25.84
161	690.18	26.24
162	698.27	26.54
163	700.80	26.59
164	701.99	26.62
165	705.33	26.67
166	707.82	26.61
167	711.51	26.52
168	715.91	26.10
169	722.40	25.49
170	724.98	25.46
171	730.95	25.56
172	733.29	25.54
173	735.06	25.73
174	744.18	26.01
175	754.06	26.53
176	754.16	26.53

Order	Station [ft]	Elevation [ft]
177	755.01	26.56
178	755.54	26.57
179	757.73	26.65
180	765.30	26.36
181	767.67	26.39
182	775.58	25.89
183	781.17	25.89
184	785.86	25.50
185	794.68	25.66
186	796.14	25.65
187	800.80	25.72
188	806.42	25.62
189	808.18	25.73
190	816.70	25.40
191	821.94	25.44
192	826.98	25.84
193	835.19	25.99
194	836.78	26.04
195	837.26	26.06
196	846.14	25.90
197	847.41	25.82
198	847.69	25.83
199	857.57	25.53
200	864.46	25.28
201	867.73	25.31
202	872.43	25.35
203	877.89	25.15
204	884.79	25.59
205	888.05	25.58
206	890.32	25.61
207	898.16	25.75
208	898.20	25.75
209	907.35	25.68
210	908.20	25.69
211	917.35	25.62
212	918.20	25.63
213	927.35	25.67
214	928.20	25.67
215	937.35	25.62
216	938.20	25.62
217	947.35	25.50
218	948.20	25.50
219	957.35	25.48
220	958.20	25.46
221	967.35	25.44
222	968.20	25.46
223	977.35	25.68
224	978.20	25.68
225	987.35	25.76

Order	Station [ft]	Elevation [ft]
226	988.20	25.76
227	997.35	25.66
228	997.39	25.66
229	998.21	25.67
230	1006.61	25.70
231	1008.24	25.69
232	1015.86	25.59
233	1018.28	25.55
234	1025.12	25.57
235	1028.31	25.62
236	1034.37	25.48
237	1038.35	25.52
238	1043.63	25.57
239	1048.39	25.57
240	1052.88	25.50
241	1058.42	25.46
242	1062.14	25.31
243	1068.46	25.29
244	1071.39	25.15
245	1078.49	25.14
246	1080.65	25.14
247	1088.53	24.90
248	1089.90	24.87
249	1098.32	25.77
250	1098.59	25.82
251	1098.99	25.85
252	1099.78	25.86
253	1106.43	25.34
254	1109.82	25.37
255	1113.86	25.16
256	1121.04	25.87
257	1121.30	25.86
258	1121.79	25.90
259	1122.90	25.86
260	1130.90	25.88
261	1131.25	25.88
262	1141.11	25.51
263	1141.25	25.52
264	1141.38	25.52
265	1142.26	25.42
266	1155.28	25.74
267	1155.61	25.76
268	1155.92	25.81
269	1157.78	25.74
270	1164.50	25.94
271	1165.38	25.93
272	1166.24	25.90
273	1173.03	25.49
274	1177.08	25.40

Order	Station [ft]	Elevation [ft]
275	1180.67	25.00
276	1187.91	25.61
277	1188.32	25.61
278	1189.32	25.65
279	1190.98	25.62
280	1196.31	25.55
281	1198.40	25.51
282	1204.47	25.37
283	1208.75	25.39
284	1212.64	25.03
285	1219.10	25.62
286	1220.81	25.65
287	1227.18	26.10
288	1228.96	26.12
289	1228.97	26.12
290	1229.61	26.08
291	1236.04	25.51
292	1242.74	25.56
293	1243.21	25.57
294	1243.24	25.57
295	1243.72	25.58
296	1252.62	25.72
297	1253.23	25.74
298	1262.01	25.86
299	1263.25	25.88
300	1263.53	25.87
301	1271.76	25.70
302	1272.18	25.74
303	1273.00	25.70
304	1282.06	26.21
305	1282.56	26.22
306	1287.93	26.24
307	1291.03	26.03
308	1295.64	25.71
309	1298.17	25.38
310	1300.07	25.46
311	1300.23	25.46
312	1307.39	25.64
313	1307.48	25.64
314	1317.45	25.74
315	1317.48	25.74
316	1320.84	26.01
317	1327.48	26.52
318	1328.84	26.49
319	1328.94	26.49
320	1335.20	26.08
321	1338.82	26.01
322	1342.52	25.87
323	1348.91	25.85

Order	Station [ft]	Elevation [ft]
324	1349.83	25.84
325	1350.37	25.84
326	1350.99	25.86
327	1359.15	26.39
328	1360.46	26.41
329	1368.84	26.57
330	1370.46	26.61
331	1372.59	26.64
332	1376.93	26.46
333	1383.60	26.46
334	1384.00	26.41
335	1384.13	26.42
336	1387.07	26.53
337	1393.37	26.69
338	1393.77	26.69
339	1402.78	26.87
340	1403.79	26.89
341	1405.94	26.83
342	1412.65	26.69
343	1413.80	26.71
344	1422.75	26.38
345	1423.52	26.42
346	1432.48	26.57
347	1433.00	26.52
348	1433.45	26.55
349	1433.97	26.54
350	1443.45	26.67
351	1444.14	26.66
352	1453.45	26.63
353	1454.31	26.65
354	1463.45	26.41
355	1464.48	26.47
356	1464.77	26.44
357	1476.63	26.44
358	1477.92	26.56
359	1478.93	26.55
360	1486.21	26.85
361	1487.26	26.85
362	1495.75	26.42
363	1497.27	26.42
364	1500.23	26.27
365	1503.99	25.97
366	1509.59	26.37
367	1511.07	26.29
368	1512.78	26.54
369	1513.29	26.53
370	1519.93	26.74
371	1520.51	26.74
372	1529.58	26.44

Order	Station [ft]	Elevation [ft]
373	1530.51	26.44
374	1533.16	26.27
375	1537.63	25.86
376	1544.69	26.44
377	1544.74	26.44
378	1544.80	26.43
379	1545.38	26.40
380	1553.33	26.16
381	1555.14	26.14
382	1557.63	26.14
383	1561.05	26.07
384	1566.46	25.88
385	1568.66	25.78
386	1571.57	25.78
387	1577.15	25.77
388	1578.81	25.77
389	1585.95	25.77
390	1586.28	25.76
391	1593.04	25.72
392	1595.83	25.70
393	1595.97	25.70
394	1596.11	25.70
395	1604.46	25.73
396	1605.38	25.74
397	1605.94	25.74
398	1606.35	25.72
399	1609.14	25.81
400	1618.81	25.94
401	1621.52	26.01
402	1628.89	25.97
403	1629.34	25.98
404	1638.72	25.90
405	1639.41	25.91
406	1639.77	25.87
407	1651.81	26.04
408	1656.68	26.50
409	1663.96	26.22
410	1664.26	26.21
411	1671.53	26.13
412	1679.43	26.08
413	1682.31	26.04
414	1684.84	26.10
415	1689.39	26.21
416	1694.59	26.52
417	1696.48	26.52
418	1698.14	26.53
419	1709.75	26.83
420	1709.96	26.84
421	1710.95	26.85

Order	Station [ft]	Elevation [ft]
422	1719.82	26.83
423	1728.41	26.17
424	1729.82	26.14
425	1738.26	26.09
426	1739.82	26.16
427	1741.45	26.22
428	1749.83	26.31
429	1757.94	26.80
430	1759.83	26.81
431	1767.79	26.77
432	1769.83	26.74
433	1777.63	26.69
434	1779.83	26.66
435	1787.47	26.61
436	1789.83	26.58
437	1797.32	26.48
438	1799.83	26.41
439	1807.16	26.22
440	1809.83	26.20
441	1817.01	26.02
442	1819.83	25.95
443	1826.85	25.88
444	1829.84	25.84
445	1832.92	25.85
446	1839.84	25.83
447	1846.54	25.81
448	1849.84	25.81
449	1856.38	25.77
450	1859.84	25.73
451	1863.41	25.74
452	1869.84	25.71
453	1873.57	25.82
454	1879.84	25.91
455	1885.91	26.07
456	1888.40	26.13

Comment:

Weir Cross Section: B15 TO WETLAND 2

Scenario: Icpr3

Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	25.59
2	1.34	25.71

Order	Station [ft]	Elevation [ft]
3	6.77	25.55
4	11.39	25.23
5	17.06	25.12
6	21.45	24.86
7	25.02	25.15
8	31.50	25.85
9	39.43	26.10
10	41.55	26.29
11	47.11	26.40
12	50.68	26.47
13	51.61	26.44
14	58.70	25.98
15	61.67	25.76
16	62.06	25.76
17	71.74	25.00
18	73.44	25.03
19	81.81	26.14
20	85.54	25.79
21	88.34	25.52
22	91.91	25.49
23	97.06	25.17
24	102.04	25.24
25	108.94	24.95
26	112.17	24.83
27	121.02	25.01
28	122.30	24.98
29	128.97	25.73
30	131.64	25.93
31	132.44	26.03
32	132.63	26.04
33	133.35	25.99
34	142.77	25.08
35	149.06	24.97
36	153.10	25.28
37	157.27	25.21
38	163.42	24.88
39	165.48	24.85
40	173.48	25.48
41	173.69	25.49
42	173.75	25.49
43	173.84	25.51
44	184.07	25.27
45	184.71	25.30
46	192.38	25.13
47	194.79	25.16
48	201.83	24.92
49	205.53	24.90
50	209.55	24.84
51	216.27	24.86

Order	Station [ft]	Elevation [ft]
52	219.80	24.87
53	224.98	24.90
54	227.01	24.90
55	231.65	24.92
56	237.75	24.90
57	247.22	24.92
58	248.13	24.92
59	248.49	24.92
60	249.31	24.94
61	259.23	25.15
62	266.96	25.64
63	269.97	25.88
64	274.63	26.20
65	280.66	26.63

Comment:

Weir Cross Section: DS EAST TO WETLAND 5

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	25.36
2	5.31	25.17
3	9.69	25.06
4	14.92	24.97
5	19.90	24.91
6	20.21	24.91
7	20.40	24.92
8	30.91	25.19
9	37.62	24.98
10	41.60	25.07
11	43.39	25.10
12	48.12	24.99
13	51.15	24.91
14	52.29	25.06
15	58.90	25.21
16	62.99	25.54
17	72.06	24.86
18	73.68	24.88
19	74.41	24.89
20	76.34	24.98
21	84.38	25.46
22	89.28	25.62
23	95.07	25.67

Order	Station [ft]	Elevation [ft]
24	104.55	25.53
25	105.77	25.49
26	106.51	25.47
27	116.46	25.22
28	123.73	25.69
29	127.15	25.76
30	132.77	25.76
31	137.85	25.48
32	140.95	25.72
33	148.54	25.64
34	151.96	25.69
35	159.24	25.84
36	160.99	25.92
37	169.93	25.88
38	175.39	26.07
39	180.62	25.87
40	189.20	26.01
41	191.32	25.88
42	198.49	25.26
43	202.01	25.18
44	206.25	25.00
45	212.71	26.14
46	217.42	25.85
47	221.32	25.58
48	228.09	25.93
49	230.32	26.08
50	231.27	26.05
51	240.76	25.57
52	246.19	25.34
53	251.20	25.10
54	256.03	25.37
55	258.89	25.56
56	261.53	25.54
57	267.30	25.57
58	271.76	25.72
59	278.71	25.78
60	281.99	25.70
61	284.11	25.61
62	292.23	26.02
63	292.51	26.02
64	293.82	26.01
65	300.92	25.57
66	302.46	25.61
67	304.87	25.73
68	312.70	25.40
69	317.94	25.46
70	322.93	25.47
71	326.13	25.42
72	333.16	25.34

Order	Station [ft]	Elevation [ft]
73	334.54	25.35
74	340.86	25.30
75	342.94	25.28
76	343.40	25.29
77	351.35	25.26
78	353.63	25.13
79	357.18	25.32
80	363.87	25.28
81	368.16	25.21
82	374.10	25.14
83	376.57	25.26
84	384.33	25.20
85	384.97	25.20
86	387.90	25.23
87	393.38	25.24
88	394.57	25.23
89	401.78	25.05
90	404.80	25.26
91	410.19	25.32
92	412.56	25.44
93	415.11	25.57
94	418.23	25.63
95	425.65	25.56
96	426.14	25.57
97	427.59	25.65
98	436.19	25.98
99	441.95	25.81
100	446.74	26.10
101	449.85	26.03
102	454.62	26.55
103	457.14	26.67
104	458.59	26.67
105	467.14	26.32
106	468.59	26.32
107	477.14	25.34
108	478.59	25.35
109	487.14	25.32
110	488.59	25.32
111	497.14	25.69
112	505.69	25.11
113	507.14	25.13
114	508.59	25.12
115	517.14	25.40
116	518.59	25.38
117	527.14	25.45
118	528.59	25.45
119	537.14	25.49
120	537.74	25.50
121	538.62	25.50

Order	Station [ft]	Elevation [ft]
122	547.15	25.62
123	555.04	25.53
124	557.16	25.50
125	559.44	25.49
126	567.16	25.57
127	569.84	25.64
128	577.17	25.76
129	580.25	25.74
130	587.18	25.35
131	590.66	25.32
132	597.18	25.21
133	603.23	24.92
134	607.19	24.91
135	611.47	24.88
136	617.20	24.77
137	622.51	24.98
138	625.36	25.09

Comment:

Weir Cross Section: DS NORTH TO B15

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	25.47
2	1.54	25.46
3	8.76	25.64
4	12.13	25.60
5	19.06	25.61
6	22.71	25.65
7	29.57	25.34
8	33.30	25.22
9	35.28	25.30
10	43.88	25.25
11	51.50	25.59
12	54.47	25.71
13	60.04	25.89
14	65.06	25.90
15	67.72	25.97
16	75.64	25.92
17	79.48	26.28
18	86.23	26.57
19	90.52	26.86
20	96.81	27.07

Order	Station [ft]	Elevation [ft]
21	100.17	27.10
22	107.40	26.48
23	116.39	26.27
24	117.99	26.19
25	118.76	26.22
26	121.00	26.35
27	126.62	26.27
28	128.57	26.36
29	134.48	26.13
30	139.16	26.50
31	148.83	27.47
32	149.74	27.51
33	151.47	27.49
34	155.18	27.08
35	158.08	26.77
36	160.29	26.74
37	164.58	26.87
38	170.79	26.59
39	180.02	27.06
40	181.29	27.00
41	183.98	27.15
42	189.90	26.95
43	191.79	26.83
44	197.85	25.89
45	202.29	26.25
46	205.80	25.98
47	212.79	25.35
48	216.77	25.49
49	221.71	25.67
50	223.29	25.65
51	229.66	25.67
52	233.79	25.62
53	241.81	25.31
54	244.29	25.09
55	245.57	25.07
56	249.56	25.12
57	254.79	25.17
58	257.25	25.40
59	265.29	27.08
60	269.43	26.68
61	275.79	26.73
62	282.35	26.37
63	286.29	26.09
64	293.29	25.11
65	296.79	25.18
66	301.24	25.32
67	304.17	25.35
68	307.29	25.37
69	315.09	26.68

Order	Station [ft]	Elevation [ft]
70	317.14	27.01
71	317.80	27.00
72	325.09	26.68
73	328.31	26.75
74	333.03	26.16
75	338.81	26.18
76	347.70	26.56
77	349.32	26.61
78	356.87	27.10
79	359.82	27.36
80	365.58	27.61
81	370.33	27.69
82	372.76	27.37
83	380.32	27.75
84	380.71	27.74
85	380.83	27.74
86	388.66	27.14
87	391.34	27.17
88	396.60	26.62
89	401.85	26.70
90	403.82	26.55
91	404.54	26.50
92	412.20	25.96
93	412.37	25.94
94	412.43	25.94
95	420.21	25.40
96	423.04	25.37
97	428.05	25.44
98	433.65	25.24
99	435.88	25.31
100	442.19	25.39
101	443.72	25.40
102	444.26	25.40
103	451.55	25.31
104	454.86	25.27
105	459.39	25.45
106	465.47	25.88
107	467.22	26.00
108	472.17	26.37
109	475.06	26.53
110	476.08	26.53
111	482.89	26.19
112	486.69	26.11
113	490.73	26.05
114	497.29	25.66
115	498.56	25.69
116	502.16	25.85
117	507.90	26.04
118	511.05	25.88

Order	Station [ft]	Elevation [ft]
119	518.51	25.65
120	527.46	25.57
121	529.12	25.60
122	532.14	25.61
123	539.72	25.85
124	545.58	25.51
125	550.33	25.42
126	560.29	25.32
127	560.94	25.28
128	562.12	25.31
129	571.54	25.42
130	576.70	25.52
131	582.15	25.60
132	584.75	25.71
133	592.11	26.03
134	592.76	26.04
135	593.12	26.05
136	603.37	26.10
137	608.26	26.21
138	613.97	26.33
139	622.09	26.56
140	624.58	26.64
141	625.94	26.63
142	631.66	26.62
143	635.08	26.63
144	640.49	26.47
145	645.37	26.29
146	654.03	25.85
147	655.65	25.72
148	660.77	25.40
149	664.94	25.09
150	665.94	25.08
151	667.57	25.13
152	676.22	25.14
153	681.12	25.24
154	686.51	25.30
155	694.66	25.25
156	696.79	25.31
157	698.10	25.31
158	703.53	25.32
159	707.08	25.31
160	708.20	25.33
161	717.36	25.56
162	721.75	25.45
163	727.65	24.92
164	731.26	25.03
165	737.93	25.08
166	739.55	25.06
167	746.28	25.12

Order	Station [ft]	Elevation [ft]
168	747.84	25.13
169	748.22	25.13
170	748.83	25.13
171	758.51	25.12
172	762.38	25.12
173	768.79	25.09
174	775.92	24.97
175	779.08	24.91
176	789.03	25.12
177	789.30	25.12
178	789.36	25.12
179	797.59	26.04
180	799.65	26.07
181	805.81	25.93
182	805.87	25.93
183	810.36	26.29
184	818.67	26.92
185	821.70	26.88
186	825.21	26.87
187	833.05	26.58
188	839.84	26.55
189	844.40	26.36
190	849.66	26.13
191	855.74	25.93
192	857.58	25.79
193	861.00	25.65
194	867.09	25.71
195	872.35	25.84
196	878.43	25.77
197	882.17	25.67
198	889.78	25.66
199	898.58	25.82
200	901.13	25.87
201	903.33	25.82
202	912.47	25.83
203	916.67	26.01
204	923.82	26.49
205	924.06	26.48
206	924.50	26.45
207	931.44	25.66
208	935.17	25.66
209	945.66	25.77
210	946.22	25.77
211	946.51	25.79
212	947.49	25.83
213	957.86	26.23
214	960.99	26.40
215	966.83	26.03
216	968.37	25.94

Order	Station [ft]	Elevation [ft]
217	969.20	25.95
218	971.95	26.05
219	976.59	26.15
220	980.23	26.21
221	988.68	26.20
222	990.68	26.21
223	995.32	26.13
224	1001.12	25.94
225	1003.60	25.88
226	1011.56	25.79
227	1018.53	26.03
228	1022.00	26.13
229	1030.09	26.94
230	1032.44	27.13
231	1033.45	27.12
232	1042.88	26.65
233	1048.37	26.70
234	1053.32	26.57
235	1063.29	26.25
236	1063.76	26.23
237	1064.86	26.25
238	1074.21	26.35
239	1080.08	26.62
240	1084.65	26.56
241	1093.14	26.45
242	1095.09	26.40
243	1099.63	26.44
244	1105.53	26.50
245	1108.06	26.51
246	1115.97	26.50
247	1120.23	26.54
248	1126.41	26.48
249	1128.26	26.42
250	1134.40	26.63
251	1134.56	26.63

Comment:

Weir Cross Section: OW-DS EAST-WETLAND 6

Scenario: Icpr3

Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	26.02
2	5.78	26.20

Order	Station [ft]	Elevation [ft]
3	8.33	26.28
4	16.66	26.54
5	16.79	26.53
6	19.88	26.44
7	23.92	26.31
8	26.50	26.20
9	31.17	26.03
10	38.36	25.71
11	38.41	25.72
12	38.49	25.71
13	45.65	25.59
14	50.21	25.45
15	52.90	25.54
16	57.11	25.41
17	60.14	25.39
18	62.07	25.39
19	67.38	25.80
20	73.92	25.40
21	74.62	25.38
22	75.72	25.34
23	81.87	25.53
24	85.78	25.42
25	89.11	25.48
26	94.34	25.19
27	97.64	25.21
28	103.42	25.12
29	109.49	25.13
30	110.84	25.11
31	112.95	25.07
32	121.35	25.33
33	125.32	25.54
34	131.57	25.12
35	132.57	25.07
36	133.20	25.04
37	136.07	25.03
38	145.06	25.04
39	147.05	25.00
40	150.19	25.01
41	151.22	25.01
42	154.93	25.04
43	156.08	25.04
44	157.68	25.10
45	166.21	25.15
46	169.74	25.06
47	176.34	25.00
48	181.12	25.08
49	186.47	25.00
50	189.85	25.04
51	196.59	24.99

Order	Station [ft]	Elevation [ft]
52	205.91	25.06
53	206.72	25.10
54	207.31	25.12
55	210.96	25.08
56	216.04	25.13
57	216.85	25.16
58	224.77	25.29
59	226.98	25.21
60	233.49	25.45
61	237.10	25.36
62	242.22	25.38
63	247.23	25.45
64	250.95	25.67
65	257.36	25.92
66	259.68	25.82
67	267.49	25.97
68	268.41	25.95
69	274.20	25.53
70	277.61	25.31
71	285.87	25.09
72	287.74	25.07
73	294.60	25.15
74	297.87	25.18
75	302.38	25.36
76	307.80	25.34
77	308.00	25.33
78	315.25	25.14
79	318.48	24.97
80	325.57	25.06
81	328.15	25.19
82	328.96	25.25
83	336.13	25.50
84	339.44	25.47
85	345.77	25.53
86	349.92	25.63
87	352.09	25.70
88	359.02	24.88
89	360.40	24.71
90	368.05	24.50
91	370.88	24.40
92	376.29	24.68
93	381.36	24.93
94	384.01	24.98
95	391.84	25.87
96	391.99	25.86
97	392.47	25.87
98	402.32	26.25
99	406.81	26.18
100	412.79	26.19

Order	Station [ft]	Elevation [ft]
101	422.07	26.11
102	423.27	26.08
103	425.92	26.03
104	433.75	25.92
105	437.33	26.11
106	444.23	26.15
107	452.59	25.98
108	454.71	26.07
109	459.37	26.14
110	463.80	26.02
111	465.19	26.26
112	471.78	26.36
113	475.67	26.15
114	479.76	26.05
115	486.15	26.32
116	492.82	26.19
117	496.63	26.08
118	498.37	26.14
119	507.11	26.50
120	511.68	26.20
121	517.59	25.88
122	526.26	25.33
123	528.07	25.20
124	535.62	25.70
125	538.55	25.80
126	543.60	26.03
127	549.03	25.85
128	551.57	25.87
129	556.24	25.71
130	559.46	25.61
131	560.28	25.68
132	569.81	26.44
133	573.27	26.78
134	580.16	26.57
135	587.37	26.45
136	590.51	26.40
137	599.17	26.24
138	600.86	26.20
139	601.46	26.18
140	611.20	25.73
141	615.56	25.61
142	621.55	25.58
143	625.02	25.54
144	631.90	25.29
145	638.07	25.35
146	641.37	25.39
147	642.25	25.44
148	649.54	25.41
149	652.59	25.27

Order	Station [ft]	Elevation [ft]
150	657.86	25.44
151	662.94	25.56
152	665.89	25.57
153	673.29	25.72
154	674.06	25.74
155	676.97	25.81
156	682.24	25.95
157	683.64	25.99
158	686.06	25.97
159	693.99	26.14
160	698.58	26.17
161	704.33	26.19
162	706.76	26.15
163	714.68	25.96
164	714.93	25.95
165	715.86	25.92
166	725.03	25.71
167	728.35	25.76
168	735.38	25.92
169	742.45	25.95
170	745.72	26.00
171	754.76	26.04
172	756.07	26.02
173	756.55	25.98
174	766.42	25.19
175	770.65	24.92
176	776.77	24.43
177	780.32	24.45
178	787.12	24.54
179	788.49	24.54
180	793.66	24.54
181	797.46	24.54
182	804.84	24.40
183	807.81	24.33
184	812.94	24.11
185	818.16	23.97
186	827.04	24.17
187	828.51	24.22
188	832.55	24.39
189	838.86	24.67
190	845.70	24.77
191	849.20	24.88
192	855.24	24.87
193	859.55	24.79
194	869.34	24.27
195	869.90	24.24
196	871.45	24.19
197	880.25	24.02
198	883.44	24.11

Order	Station [ft]	Elevation [ft]
199	890.59	24.21
200	893.30	24.10
201	895.68	23.93
202	901.07	23.92
203	903.61	23.89
204	911.43	23.77
205	911.58	23.77
206	919.48	23.88
207	922.10	23.87
208	927.26	23.98
209	932.62	24.10
210	942.86	24.37
211	943.14	24.39
212	943.28	24.39
213	943.71	24.42
214	953.65	24.93
215	959.14	24.96
216	964.17	25.11
217	967.08	25.10
218	974.69	25.08
219	975.01	25.07
220	975.99	25.08
221	982.94	25.09
222	985.21	25.11
223	990.87	25.16
224	995.72	25.21
225	998.81	25.24
226	1006.24	25.30
227	1006.74	25.31
228	1008.27	25.32
229	1014.67	25.41
230	1016.76	25.45
231	1022.60	25.55
232	1027.28	25.51
233	1030.54	25.38
234	1037.79	25.07
235	1038.47	25.04
236	1040.54	24.95
237	1048.31	24.66
238	1052.07	24.56
239	1058.83	24.35
240	1067.67	24.14
241	1069.35	24.09
242	1070.20	24.09
243	1072.82	24.08
244	1079.77	24.05
245	1080.17	24.06
246	1086.37	24.17
247	1087.83	24.20

Order	Station [ft]	Elevation [ft]
248	1094.70	24.34
249	1098.10	24.40
250	1103.59	24.28
251	1108.37	24.27
252	1117.00	24.57
253	1118.64	24.61
254	1124.00	24.69
255	1127.98	24.74
256	1128.91	24.75
257	1136.30	24.75
258	1139.18	24.75
259	1144.62	24.76
260	1149.45	24.82
261	1152.94	24.84
262	1159.72	25.26
263	1161.26	25.29
264	1167.82	25.42
265	1169.58	25.45
266	1170.00	25.47
267	1177.90	25.59
268	1180.27	25.73
269	1186.22	25.96
270	1190.54	25.94
271	1194.54	25.69
272	1200.81	25.28
273	1202.87	25.32
274	1211.08	24.97
275	1211.19	24.97
276	1211.64	24.99
277	1219.51	25.32
278	1221.35	25.20
279	1227.83	25.09
280	1231.62	25.05
281	1237.74	25.00
282	1241.89	24.94
283	1251.15	24.83
284	1251.42	24.82
285	1252.20	24.81
286	1253.92	24.77
287	1260.39	24.52
288	1262.96	24.45
289	1268.09	24.31
290	1273.72	24.15
291	1275.79	24.18
292	1280.99	24.26
293	1283.49	24.29
294	1284.48	24.33
295	1286.78	24.37
296	1295.24	24.59

Order	Station [ft]	Elevation [ft]
297	1298.89	24.79
298	1306.00	24.83
299	1306.59	24.79
300	1308.07	24.72
301	1316.76	24.28
302	1321.99	24.38
303	1327.52	24.33
304	1329.69	24.27
305	1335.15	24.58
306	1337.39	24.72
307	1338.29	24.75
308	1345.09	24.97
309	1349.05	25.37
310	1358.21	26.26
311	1359.81	26.31
312	1360.49	26.34
313	1362.22	26.16
314	1368.19	25.41
315	1370.57	25.43
316	1376.07	25.29
317	1381.33	25.32
318	1383.60	25.33
319	1389.30	25.39
320	1391.30	25.43
321	1392.09	25.43
322	1399.00	25.39
323	1402.85	25.34
324	1406.70	25.53
325	1413.61	25.58
326	1414.40	25.55
327	1416.38	25.44
328	1422.10	25.11
329	1424.37	25.26
330	1427.53	25.57
331	1429.77	25.17
332	1430.99	25.37
333	1431.76	25.30
334	1432.28	25.36
335	1432.67	25.39
336	1432.96	25.33
337	1433.19	25.38
338	1433.38	25.32
339	1433.53	25.32
340	1433.66	25.33
341	1433.77	25.30
342	1433.87	25.30
343	1433.95	25.29
344	1434.02	25.29
345	1434.08	25.30

Order	Station [ft]	Elevation [ft]
346	1434.14	25.31
347	1434.19	25.23
348	1434.24	25.29
349	1434.28	25.27
350	1434.32	25.25
351	1434.35	25.24
352	1434.39	25.28
353	1434.41	25.27
354	1434.44	25.25
355	1434.47	25.24
356	1434.49	25.26
357	1434.51	25.26
358	1434.53	25.25
359	1434.55	25.23
360	1434.57	25.24
361	1434.59	25.25
362	1434.60	25.26
363	1434.62	25.25
364	1434.63	25.19
365	1434.64	25.19
366	1434.66	25.20
367	1434.67	25.20
368	1434.68	25.19
369	1434.69	25.18
370	1434.70	25.20
371	1434.71	25.20
372	1434.72	25.19
373	1434.73	25.17
374	1434.74	25.18

Comment:

Weir Cross Section: OW-DS EAST-WETLAND 7

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	25.36
2	0.66	25.39
3	4.11	25.24
4	11.00	25.38
5	12.28	25.38
6	17.09	25.47
7	20.46	25.50
8	21.35	25.47

Order	Station [ft]	Elevation [ft]
9	28.63	25.33
10	31.70	25.20
11	37.00	25.12
12	42.05	25.16
13	51.10	26.44
14	52.40	26.45
15	53.15	26.48
16	55.97	26.88
17	61.32	27.21
18	62.74	27.22
19	65.20	26.97
20	73.09	25.17
21	79.30	24.90
22	83.44	24.59
23	85.84	24.64
24	93.79	25.06
25	94.84	25.07
26	104.14	25.05
27	107.51	25.12
28	114.49	24.90
29	118.53	25.03
30	124.83	25.30
31	133.72	25.62
32	134.87	25.63
33	135.18	25.63
34	135.71	25.62
35	145.53	25.33
36	149.81	25.58
37	155.88	25.65
38	157.41	25.66
39	159.37	25.67
40	166.28	25.31
41	171.49	24.78
42	176.69	24.38
43	178.80	24.34
44	187.09	24.34
45	193.43	24.50
46	197.50	24.56
47	207.54	24.89
48	207.83	24.90
49	207.91	24.90
50	208.06	24.90
51	218.32	24.84
52	222.70	24.93
53	228.73	24.84
54	237.33	24.98
55	239.14	24.95
56	243.58	24.72
57	249.55	24.27

Order	Station [ft]	Elevation [ft]
58	251.97	24.35
59	259.95	24.68
60	264.36	24.52
61	270.36	25.49
62	279.63	25.75
63	280.77	25.69
64	288.59	25.19
65	291.18	25.28
66	295.87	25.48
67	301.59	25.38
68	304.75	25.33
69	312.00	25.68
70	312.82	25.68
71	315.68	25.79
72	319.27	25.74
73	321.80	25.82
74	322.55	25.78
75	329.93	25.09
76	333.44	24.91
77	337.54	24.65
78	344.33	25.58
79	347.08	25.71
80	352.76	25.40
81	355.21	25.65
82	359.93	24.87
83	361.31	24.75
84	366.33	24.83
85	367.90	24.52
86	370.90	24.68
87	377.61	24.79
88	384.99	25.13
89	388.90	25.22
90	392.46	25.26
91	397.53	25.46
92	400.19	25.68
93	404.94	26.34
94	411.48	26.26
95	412.35	26.26
96	414.03	26.23
97	419.76	26.03
98	422.76	26.17
99	427.17	26.07
100	434.05	26.80
101	435.59	26.71
102	438.80	26.27
103	442.15	25.83
104	444.98	25.78
105	449.92	25.50
106	455.65	25.20

Order	Station [ft]	Elevation [ft]
107	457.70	25.15
108	463.21	25.05
109	466.32	25.04
110	468.15	25.10
111	476.99	25.47
112	485.14	25.60
113	487.66	25.64
114	491.90	25.41
115	496.58	25.08
116	498.33	25.11
117	504.36	25.31
118	508.99	25.42
119	519.12	25.56
120	519.66	25.58
121	519.91	25.58
122	520.59	25.58
123	527.69	25.44
124	530.33	25.44
125	535.47	25.21
126	541.00	25.27
127	543.24	25.32
128	549.27	25.51
129	551.67	25.57
130	553.09	25.55
131	562.34	25.53
132	570.08	25.68
133	573.01	25.66
134	577.96	25.75
135	582.13	25.74
136	583.68	25.77
137	587.07	25.94
138	589.85	26.01
139	594.32	26.03
140	602.37	25.57
141	604.26	25.45
142	604.92	25.48
143	612.10	25.76
144	615.51	25.95
145	622.61	26.13
146	625.58	26.26
147	626.12	26.28
148	631.80	26.14
149	637.02	26.13
150	639.40	26.06
151	644.89	26.14
152	647.92	26.07
153	654.61	25.76
154	658.82	25.89
155	669.49	25.88

Order	Station [ft]	Elevation [ft]
156	669.72	25.88
157	669.82	25.87
158	670.03	25.88
159	680.62	25.88
160	685.02	25.87
161	691.52	25.53
162	695.16	25.48
163	700.23	25.46
164	702.42	25.37
165	707.83	25.41
166	713.32	25.49
167	720.30	25.43
168	724.22	25.38
169	727.22	25.31
170	735.12	25.12
171	735.48	25.12
172	738.88	25.14
173	745.18	25.35
174	748.22	25.47
175	755.20	25.73
176	757.57	25.64
177	765.23	25.22
178	766.92	25.10
179	775.26	25.06
180	784.90	24.97
181	785.28	24.96
182	790.15	25.10
183	795.31	25.23
184	795.71	25.23
185	805.33	25.53
186	806.52	25.58
187	815.36	25.05
188	823.00	25.25
189	825.39	25.15
190	828.15	25.23
191	835.41	25.27
192	838.96	25.04
193	845.44	24.61
194	849.77	24.72
195	855.47	24.85
196	860.58	24.64
197	865.49	24.54
198	871.40	23.96
199	875.52	23.75
200	882.21	24.16
201	885.55	24.46
202	888.43	24.61
203	895.57	25.79
204	903.83	25.89

Order	Station [ft]	Elevation [ft]
205	905.60	26.09
206	907.12	26.04
207	915.62	26.29
208	916.47	26.24
209	925.65	26.72
210	928.12	26.74
211	935.68	26.66
212	936.27	26.64
213	945.70	26.87
214	947.08	26.91
215	955.73	26.83
216	963.21	26.87
217	965.76	26.98
218	972.55	26.64
219	975.78	26.59
220	979.52	26.52
221	985.81	26.30
222	990.33	26.78
223	995.84	26.40
224	1000.60	25.62
225	1005.86	24.80
226	1011.95	24.61
227	1015.89	24.42
228	1022.77	25.33
229	1025.91	25.62
230	1033.58	26.53
231	1035.94	26.53
232	1044.39	26.11
233	1045.97	26.01
234	1055.20	25.18
235	1055.99	25.24
236	1056.68	25.23
237	1066.02	24.71
238	1066.09	24.70
239	1075.37	24.04
240	1076.05	24.00
241	1076.81	23.99
242	1076.84	23.99
243	1086.71	24.08
244	1094.24	24.42
245	1097.42	24.56
246	1102.52	25.04
247	1106.57	25.37
248	1108.13	25.53
249	1114.31	25.78
250	1118.85	26.03
251	1122.05	26.36
252	1129.56	26.95
253	1130.39	26.97

Order	Station [ft]	Elevation [ft]
254	1137.53	26.82
255	1140.27	26.90
256	1146.44	26.35
257	1150.99	25.72
258	1158.27	25.18
259	1161.70	24.91
260	1163.84	24.95
261	1172.41	25.45
262	1181.24	25.58
263	1183.12	25.59
264	1183.96	25.58
265	1186.15	25.65
266	1193.84	26.00
267	1199.44	26.22
268	1204.55	26.14
269	1214.02	25.94
270	1214.92	25.92
271	1215.26	25.90
272	1222.66	26.02
273	1225.98	26.04
274	1230.40	25.90
275	1236.69	25.86
276	1238.14	25.89
277	1241.90	25.92
278	1247.40	25.95
279	1249.21	25.95
280	1250.02	25.95
281	1257.64	25.94
282	1258.71	25.95
283	1265.18	25.85
284	1267.78	25.82
285	1276.10	25.70
286	1277.91	25.70
287	1284.79	25.69
288	1288.05	25.79
289	1293.48	25.88
290	1298.19	25.96
291	1302.17	25.98
292	1308.33	26.12
293	1310.86	26.14
294	1318.46	25.97

Comment:

Weir Cross Section: OW-DS NORTH-WETLAND 2

Scenario: Icpr3

Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	26.63
2	0.08	26.63
3	2.73	26.62
4	8.75	26.19
5	15.18	25.63
6	16.89	25.53
7	27.62	25.43
8	30.20	25.48
9	33.69	25.46
10	40.06	25.50
11	44.50	25.57
12	50.50	26.04
13	52.50	26.11
14	58.19	26.09
15	64.94	25.99
16	67.31	25.89
17	73.10	24.93
18	77.38	25.59
19	80.25	25.65
20	84.12	25.80
21	87.40	25.88
22	89.82	26.19
23	94.55	26.37
24	100.93	25.64
25	102.27	25.50
26	108.85	25.77
27	114.71	25.91
28	115.99	25.95
29	117.73	25.96
30	127.15	25.76
31	130.29	25.62
32	131.67	25.61
33	133.49	25.59
34	137.95	25.54
35	144.16	25.40
36	149.94	25.39
37	153.50	25.41
38	154.83	25.37
39	157.73	25.42
40	165.50	25.52
41	169.06	25.66
42	176.17	26.09
43	176.83	26.06
44	178.62	25.95
45	186.84	25.59
46	192.39	25.63

Order	Station [ft]	Elevation [ft]
47	197.51	25.49
48	200.16	25.53
49	207.31	25.84
50	207.94	25.86
51	208.18	25.86
52	208.69	25.86
53	218.85	26.03
54	225.68	26.02
55	229.52	26.07
56	235.99	25.85
57	239.05	25.81
58	240.18	25.86
59	242.67	26.01
60	250.85	26.37
61	254.60	26.65
62	261.52	26.93
63	264.68	26.93
64	270.16	26.82
65	272.19	26.70
66	276.64	26.84
67	282.86	27.10
68	293.36	26.32
69	293.53	26.31
70	293.63	26.30
71	304.20	26.77
72	309.04	26.51
73	314.87	26.75
74	316.82	26.30
75	320.56	26.83
76	321.67	27.02
77	324.40	27.12
78	325.84	26.97
79	330.47	27.20
80	337.14	27.09
81	339.20	26.75
82	343.12	26.60
83	346.61	26.15
84	348.44	26.08
85	354.37	26.22
86	359.75	26.29
87	361.41	26.20
88	364.57	26.75
89	368.81	27.10
90	371.05	27.05
91	374.86	26.37
92	376.20	26.13
93	380.90	26.22
94	387.94	26.19
95	392.50	26.00

Order	Station [ft]	Elevation [ft]
96	399.00	26.09
97	404.10	26.04
98	405.42	26.02
99	405.78	26.02
100	406.75	26.02
101	408.55	25.99
102	416.82	25.97
103	423.29	26.23
104	426.90	26.19
105	431.50	25.96
106	436.97	25.71
107	442.98	25.81
108	447.04	25.56
109	450.22	25.80
110	457.12	26.47
111	465.94	27.30
112	467.19	27.27
113	468.18	27.19
114	476.20	27.26
115	476.81	27.24
116	477.46	27.19
117	490.71	27.27
118	491.22	27.28
119	491.74	27.24
120	498.29	26.57
121	504.71	26.22
122	505.36	26.23
123	506.03	26.21
124	512.44	26.67
125	518.72	26.86
126	519.51	26.91
127	520.31	26.84
128	526.58	26.12
129	532.72	27.39
130	533.65	27.52
131	534.60	27.67
132	534.99	27.59
133	536.22	27.71
134	543.60	27.57
135	545.84	27.48
136	553.86	26.74
137	559.22	26.36
138	564.13	26.21
139	572.61	26.09
140	574.40	26.00
141	580.30	26.26
142	584.67	26.50
143	585.99	26.41
144	594.93	25.95

Order	Station [ft]	Elevation [ft]
145	599.38	25.86
146	605.20	26.01
147	612.76	26.24
148	615.47	26.23
149	617.15	26.20
150	624.39	25.90
151	625.74	25.88
152	633.81	26.11
153	636.01	26.06
154	642.04	26.46
155	642.12	26.46
156	648.76	26.05
157	649.64	25.97
158	656.38	25.86
159	662.30	25.68
160	663.50	25.72
161	665.05	25.75
162	670.63	25.98
163	674.97	25.85
164	681.35	25.66
165	684.88	25.65
166	687.63	25.83
167	692.01	26.04
168	697.65	26.11
169	700.29	26.12
170	709.53	26.03
171	712.96	26.00
172	713.39	26.01
173	713.94	26.01
174	720.52	26.07
175	725.62	25.95
176	730.24	25.82
177	735.30	25.73
178	739.45	25.80
179	742.23	25.83
180	745.63	25.87
181	752.28	26.21
182	757.72	26.36
183	762.33	26.27
184	766.86	26.11
185	772.38	26.22
186	775.99	26.11
187	782.43	26.21
188	785.13	26.14
189	792.48	25.76
190	794.27	25.84
191	802.53	25.69
192	803.40	25.64
193	812.16	25.50

Order	Station [ft]	Elevation [ft]
194	812.58	25.49
195	812.63	25.49
196	822.63	25.66
197	830.81	25.50
198	832.68	25.49
199	834.96	25.64
200	842.73	25.82
201	846.12	25.82
202	852.78	26.00
203	857.29	26.10
204	862.83	26.12
205	868.45	25.87
206	872.88	25.89
207	879.62	25.95
208	882.93	25.86
209	884.99	25.80
210	890.74	25.70
211	892.88	25.62
212	894.05	25.63
213	900.25	25.66
214	905.44	25.54
215	907.62	25.50
216	911.60	25.47
217	914.99	25.40
218	916.84	25.41
219	923.14	25.33
220	928.23	25.26
221	932.46	25.25
222	939.63	25.22
223	944.46	25.15
224	951.02	25.19
225	953.32	25.22
226	962.41	25.34
227	966.57	25.39
228	973.81	25.63
229	973.94	25.63
230	974.18	25.63
231	981.31	25.35
232	985.20	25.55
233	988.68	25.77
234	995.04	25.96
235	996.05	25.98
236	996.60	26.01
237	998.48	26.02
238	1007.99	25.87
239	1010.79	25.90
240	1015.90	25.80
241	1019.39	25.68
242	1025.52	25.63

Order	Station [ft]	Elevation [ft]
243	1030.78	25.81
244	1032.89	25.78
245	1036.75	25.77
246	1042.18	25.83
247	1048.71	25.91
248	1053.57	26.04
249	1057.61	25.99
250	1062.37	25.92
251	1064.76	25.90
252	1064.98	25.90
253	1076.49	25.82
254	1077.05	25.83
255	1084.03	25.84
256	1089.13	25.95
257	1091.23	25.99
258	1094.34	25.92
259	1098.43	25.83
260	1101.20	25.90
261	1105.63	26.09
262	1112.19	25.90
263	1112.84	25.87
264	1113.27	25.86
265	1120.04	25.78
266	1125.35	25.79
267	1127.24	25.80
268	1130.04	25.85
269	1134.44	25.90
270	1137.42	25.93
271	1141.64	25.88
272	1147.88	25.95
273	1149.49	25.99
274	1156.04	25.99
275	1161.57	26.06
276	1163.25	26.07
277	1165.73	26.04
278	1170.45	25.94
279	1173.64	25.84
280	1177.65	25.75
281	1182.28	25.67
282	1184.15	25.63
283	1185.01	25.62
284	1185.36	25.62
285	1186.24	25.63
286	1196.21	25.70
287	1204.97	25.72
288	1207.06	25.74
289	1209.94	25.73
290	1215.55	25.72
291	1217.91	25.73

Order	Station [ft]	Elevation [ft]
292	1223.70	25.74
293	1228.76	25.71
294	1230.82	25.73
295	1235.72	25.80
296	1238.46	25.84
297	1239.61	25.77
298	1242.43	25.78
299	1250.46	25.65
300	1253.73	25.72
301	1261.31	25.84
302	1261.51	25.84
303	1269.00	25.89
304	1272.16	25.84
305	1276.64	25.89
306	1283.01	25.80
307	1284.28	25.73
308	1287.29	25.78
309	1291.91	25.84
310	1293.86	25.85
311	1299.55	25.84
312	1304.70	25.86
313	1307.18	25.87
314	1311.56	26.10
315	1315.28	26.20
316	1323.15	26.26
317	1325.38	26.20
318	1332.00	25.95
319	1335.47	25.96
320	1340.08	25.91
321	1345.57	25.76
322	1351.83	26.02
323	1355.67	25.91
324	1363.58	25.88
325	1365.77	25.93
326	1367.42	25.92
327	1375.87	25.48
328	1376.27	25.47
329	1379.13	25.50
330	1385.12	25.56
331	1385.97	25.54
332	1387.09	25.58
333	1396.06	25.89
334	1402.83	25.71
335	1406.16	25.76
336	1410.59	25.72
337	1416.26	25.73
338	1418.43	25.77
339	1424.21	25.89
340	1426.84	25.89

Order	Station [ft]	Elevation [ft]
341	1431.07	26.12
342	1435.75	26.44
343	1437.55	26.42
344	1443.50	26.16
345	1448.26	25.71
346	1458.94	25.48
347	1458.97	25.48
348	1459.01	25.48
349	1466.72	25.60
350	1469.68	25.60
351	1474.46	25.91
352	1479.71	26.24
353	1481.18	26.24
354	1487.92	26.10
355	1493.25	25.98
356	1498.99	25.89
357	1500.75	25.91
358	1504.44	25.92
359	1508.25	25.91
360	1510.07	25.92
361	1515.76	25.97
362	1521.14	26.09
363	1523.26	26.07
364	1527.70	25.83
365	1532.22	25.60
366	1538.26	25.54
367	1543.30	25.53
368	1545.77	25.55
369	1550.96	25.53
370	1553.27	25.51
371	1554.37	25.55
372	1560.77	25.74
373	1565.45	25.79
374	1574.22	25.73
375	1575.78	25.74
376	1576.52	25.72
377	1583.28	25.61
378	1587.60	25.52
379	1590.49	25.55
380	1594.11	25.55
381	1597.98	25.69
382	1603.73	25.74
383	1606.16	25.77
384	1612.39	25.78
385	1618.21	25.80
386	1619.60	25.83
387	1621.66	25.83
388	1626.80	25.81
389	1630.26	25.80

Order	Station [ft]	Elevation [ft]
390	1634.01	25.83
391	1639.58	25.80
392	1641.21	25.81
393	1642.31	25.82
394	1647.90	25.89
395	1654.36	25.97
396	1657.51	25.93
397	1666.41	25.95
398	1670.04	26.00
399	1673.72	26.25
400	1677.73	26.45
401	1677.86	26.45
402	1678.51	26.47
403	1686.34	26.73
404	1687.94	26.58
405	1694.82	26.65
406	1698.15	26.30
407	1703.30	25.96
408	1708.35	25.78
409	1711.77	25.74
410	1718.56	25.81
411	1720.25	25.60
412	1728.55	26.13
413	1728.73	26.13
414	1728.76	26.13
415	1736.52	26.04
416	1737.18	26.02
417	1739.01	25.97
418	1745.32	25.92
419	1749.37	26.03
420	1753.47	25.88
421	1759.74	26.19
422	1761.61	26.01
423	1768.49	26.14
424	1769.76	26.09
425	1770.10	26.08
426	1777.90	25.20
427	1780.47	25.21
428	1786.05	25.40
429	1790.83	25.51
430	1794.19	25.39
431	1801.19	25.60
432	1802.34	25.54
433	1806.52	25.93
434	1810.48	26.13
435	1811.56	26.08
436	1818.63	26.38
437	1821.92	26.36
438	1826.77	26.08

Order	Station [ft]	Elevation [ft]
439	1832.29	26.43
440	1834.92	26.21
441	1842.65	26.76
442	1843.06	26.72
443	1844.55	26.82
444	1851.21	26.54
445	1853.02	26.51
446	1856.19	26.54
447	1863.38	26.38
448	1867.50	25.76
449	1873.75	26.41
450	1875.64	26.31
451	1882.59	26.62
452	1883.79	26.56
453	1884.11	26.57
454	1891.93	26.13
455	1894.48	26.15
456	1898.93	26.29
457	1904.84	26.27
458	1908.22	25.98
459	1915.21	26.59
460	1916.37	26.54
461	1920.62	27.03
462	1925.57	27.00
463	1932.66	25.69
464	1935.94	25.83
465	1940.80	25.88
466	1946.30	26.06
467	1948.95	25.87
468	1956.67	26.57
469	1957.09	26.54
470	1958.65	26.71
471	1965.24	26.69
472	1967.03	26.66
473	1973.38	25.96
474	1977.40	26.22
475	1981.52	26.08
476	1987.76	26.45
477	1989.67	26.37
478	1996.68	27.08
479	1997.81	27.09
480	1998.12	27.08
481	2005.96	26.59
482	2008.49	26.65
483	2012.91	26.68
484	2018.85	26.15
485	2022.25	25.93
486	2029.22	26.82
487	2030.39	26.99

Order	Station [ft]	Elevation [ft]
488	2034.71	27.23
489	2038.54	27.14
490	2039.58	27.15
491	2046.68	26.44
492	2049.95	26.87
493	2055.66	27.40
494	2060.31	27.52
495	2062.97	27.33
496	2070.68	27.09
497	2071.12	27.04
498	2072.74	26.72
499	2079.26	25.05
500	2081.04	25.05
501	2087.41	25.17
502	2091.41	25.15
503	2098.40	26.00
504	2101.77	26.22
505	2103.70	26.14
506	2110.77	26.96
507	2112.14	27.00
508	2119.99	26.31
509	2122.50	26.48
510	2128.13	26.06
511	2132.87	26.47
512	2136.28	26.29
513	2143.23	26.87
514	2144.42	26.92
515	2148.80	27.14
516	2152.57	26.89
517	2153.60	26.96
518	2160.71	26.54
519	2163.96	26.94
520	2168.86	26.67
521	2174.33	27.04
522	2177.00	27.07
523	2180.37	27.28
524	2184.54	27.37
525	2186.12	27.34
526	2194.54	25.51
527	2203.31	25.84
528	2204.54	25.82
529	2213.52	26.30
530	2214.55	26.30
531	2215.53	26.32
532	2224.55	26.09
533	2225.33	26.09
534	2234.55	25.80
535	2241.92	25.84
536	2243.48	25.83

Order	Station [ft]	Elevation [ft]
537	2245.22	25.84
538	2257.73	26.00
539	2257.77	26.00
540	2257.90	26.00
541	2270.32	26.13
542	2274.28	26.22
543	2279.17	26.32
544	2282.88	26.27
545	2290.83	26.65
546	2293.44	26.71
547	2295.43	26.80
548	2307.37	26.56
549	2307.72	26.54
550	2307.98	26.54
551	2309.87	26.50
552	2320.53	26.29
553	2321.99	26.18
554	2323.92	26.18
555	2333.08	26.21
556	2340.47	26.21
557	2345.63	26.28
558	2350.54	26.40
559	2357.02	26.49
560	2358.18	26.49
561	2361.85	26.43
562	2370.73	26.27
563	2371.95	26.24
564	2372.74	26.25
565	2373.26	26.26
566	2375.79	26.37
567	2383.66	26.51
568	2388.04	26.44
569	2394.05	26.82
570	2403.44	27.32
571	2404.23	27.34
572	2404.45	27.36
573	2404.85	27.35
574	2414.85	26.82
575	2419.38	26.42
576	2425.24	25.99
577	2433.91	25.64
578	2435.64	25.59
579	2436.60	25.60
580	2440.00	25.59
581	2446.04	25.56
582	2448.44	25.63
583	2456.43	25.62
584	2462.96	25.66
585	2466.83	25.78

Order	Station [ft]	Elevation [ft]
586	2468.98	25.83
587	2476.55	25.69
588	2477.08	25.69
589	2477.23	25.68
590	2477.49	25.68
591	2487.62	25.49
592	2493.27	25.62
593	2496.69	25.61
594	2498.05	25.60
595	2501.19	25.65
596	2508.69	25.75
597	2509.84	25.76
598	2519.33	25.87
599	2524.74	25.72
600	2529.97	25.66
601	2532.41	25.67
602	2539.13	25.67
603	2540.61	25.69
604	2548.02	25.87
605	2551.25	25.95
606	2555.82	26.06
607	2561.89	26.18
608	2568.41	26.11
609	2571.43	26.06
610	2572.53	26.04
611	2574.87	26.00
612	2583.17	25.97
613	2587.04	26.03
614	2593.81	25.94
615	2594.84	25.96
616	2597.70	25.74
617	2602.65	25.53
618	2604.44	25.53
619	2610.45	25.47
620	2615.08	25.45
621	2618.26	25.44
622	2625.72	25.43
623	2626.06	25.43
624	2626.98	25.43
625	2636.36	25.41
626	2641.72	25.39
627	2647.00	25.36
628	2656.27	25.28
629	2657.64	25.28
630	2665.08	25.34
631	2668.28	25.32
632	2675.14	25.31
633	2678.92	25.33
634	2685.55	25.46

Order	Station [ft]	Elevation [ft]
635	2689.56	25.53
636	2691.85	25.51
637	2695.81	25.46

Comment:

Weir Cross Section: OW-DS WEST-WETLAND 4

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	26.06
2	2.10	26.13
3	11.28	26.55
4	12.51	26.58
5	13.20	26.64
6	15.56	26.75
7	19.25	26.93
8	21.67	27.05
9	22.78	27.08
10	31.33	27.47
11	32.79	27.45
12	40.99	27.75
13	42.79	27.70
14	50.65	27.86
15	52.80	28.01
16	60.31	27.33
17	62.81	27.35
18	65.49	27.25
19	72.81	27.15
20	79.63	26.89
21	82.82	26.77
22	86.24	26.60
23	92.83	26.24
24	96.62	26.18
25	102.83	26.14
26	108.62	26.30
27	112.84	26.41
28	118.28	26.55
29	122.84	26.68
30	127.75	26.80
31	132.85	26.95
32	134.78	27.01
33	137.70	27.09
34	142.85	27.19

Order	Station [ft]	Elevation [ft]
35	147.70	27.31
36	152.85	27.30
37	157.70	27.28
38	162.85	27.26
39	168.01	27.45
40	172.85	27.33
41	178.01	27.28
42	182.85	27.19
43	187.70	27.08
44	192.85	26.97
45	198.01	26.89
46	202.85	26.92
47	204.87	26.85
48	207.09	26.81
49	212.59	26.98
50	215.59	27.03
51	221.25	27.01
52	227.58	27.15
53	229.01	27.14
54	235.42	27.06
55	242.43	26.65
56	242.57	26.65
57	249.58	26.48
58	255.86	26.32
59	257.45	26.28
60	257.57	26.28
61	269.04	26.01
62	272.96	25.92
63	282.19	25.71
64	288.36	25.57
65	292.13	25.52
66	295.35	25.30
67	299.22	25.16
68	303.75	25.39
69	308.50	25.58
70	319.15	25.61
71	320.50	25.61
72	321.65	25.64
73	334.54	25.39
74	334.80	25.38
75	341.78	25.34
76	347.96	25.30
77	348.87	25.30
78	349.94	25.31
79	361.11	25.83
80	365.33	26.00
81	368.62	25.99
82	370.22	25.98
83	373.42	25.98

Order	Station [ft]	Elevation [ft]
84	383.00	25.58
85	384.60	25.51
86	386.20	25.48
87	395.78	25.28
88	400.04	25.27
89	406.96	25.25
90	408.54	25.24
91	414.94	25.16
92	418.14	25.31
93	423.94	25.60
94	429.60	25.89
95	429.66	25.89
96	429.70	25.89
97	441.54	26.44
98	444.15	26.38
99	448.22	26.03
100	453.42	25.64
101	458.63	25.66
102	465.31	25.75
103	466.74	25.78
104	473.10	25.92
105	477.19	26.01
106	480.34	26.08
107	485.26	26.15
108	489.07	26.19
109	495.89	26.32
110	500.95	26.40
111	503.78	26.45
112	509.29	26.45
113	512.83	26.71
114	516.53	26.81
115	519.47	26.92
116	522.63	27.04
117	523.84	27.03
118	524.50	27.01
119	526.79	27.00
120	535.92	26.72
121	543.37	26.56
122	547.33	26.47
123	552.18	26.36
124	558.75	26.20
125	564.11	26.44
126	570.16	26.70
127	577.58	26.52
128	581.58	26.46
129	582.74	26.39
130	584.85	26.26
131	590.10	25.95
132	592.99	25.78

Order	Station [ft]	Elevation [ft]
133	597.46	25.52
134	604.41	25.14
135	605.59	25.21
136	612.19	25.67
137	615.82	25.96
138	626.32	26.78
139	627.24	26.83
140	628.36	26.86
141	638.65	26.94
142	647.06	26.94
143	650.07	26.91
144	653.75	26.89
145	660.66	26.78
146	661.38	26.77
147	668.42	26.75
148	671.40	26.68
149	674.04	26.61
150	681.42	26.56
151	689.75	26.08
152	691.44	26.07
153	692.93	25.97
154	701.46	25.35
155	711.08	25.53
156	711.47	25.53
157	717.51	25.58
158	721.49	25.61
159	728.82	25.68
160	730.61	25.70
161	731.53	25.70
162	732.70	25.70
163	741.60	25.77
164	744.22	25.79
165	751.68	25.79
166	755.74	25.81
167	761.76	25.86
168	767.26	25.89
169	771.84	25.93
170	778.78	25.97
171	781.92	26.00
172	784.36	26.00
173	791.99	25.78
174	801.82	25.75
175	802.07	25.74
176	803.86	25.78
177	811.23	25.95
178	812.15	25.95
179	820.19	26.07
180	822.23	26.12
181	828.54	26.03

Order	Station [ft]	Elevation [ft]
182	829.04	26.02
183	832.74	26.06
184	843.70	26.07
185	843.89	26.07
186	843.99	26.07
187	851.32	25.82
188	855.24	25.90
189	865.55	26.18
190	866.48	26.18
191	867.47	26.22
192	877.73	26.17
193	881.02	26.20
194	887.40	26.88
195	888.98	26.93
196	890.65	26.87
197	900.22	26.35
198	903.29	26.35
199	909.25	26.33
200	909.69	26.33
201	910.79	26.32
202	911.35	26.31
203	918.72	26.27
204	921.87	26.25
205	928.03	26.18
206	932.38	26.13
207	934.60	26.09
208	941.43	25.70
209	942.89	25.63
210	950.47	25.77
211	953.41	25.73
212	958.41	25.39
213	963.92	25.66
214	966.35	25.80
215	973.83	25.38
216	974.44	25.35
217	974.73	25.36
218	984.95	25.64
219	990.16	25.90
220	995.46	26.52
221	1005.86	26.31
222	1005.98	26.31
223	1006.04	26.31
224	1006.22	26.31
225	1016.49	26.27
226	1021.91	26.33
227	1027.00	26.36
228	1036.99	26.25
229	1037.52	26.25
230	1038.62	26.21

Order	Station [ft]	Elevation [ft]
231	1045.72	25.91
232	1048.03	25.81
233	1052.55	25.80
234	1058.54	25.78
235	1068.12	25.53
236	1069.06	25.51
237	1071.01	25.41
238	1077.47	25.19
239	1079.57	25.16
240	1085.41	25.27
241	1090.08	25.27
242	1099.25	25.44
243	1100.60	25.46
244	1103.40	25.32
245	1111.11	25.05
246	1114.81	25.21
247	1121.62	25.42
248	1130.38	25.11
249	1132.14	25.14
250	1135.80	25.21
251	1140.97	25.27
252	1142.65	25.35
253	1148.91	25.18
254	1153.16	25.24
255	1161.51	24.72
256	1163.68	24.67
257	1168.19	24.84
258	1174.19	25.08
259	1177.07	25.20
260	1184.71	25.21
261	1188.60	25.28
262	1195.22	24.70
263	1196.53	24.70
264	1200.59	24.87
265	1205.73	25.06
266	1212.41	25.15
267	1216.25	25.35
268	1220.35	25.30
269	1226.76	25.50
270	1228.28	25.51
271	1232.98	25.24
272	1237.27	25.03
273	1244.16	25.09
274	1247.79	25.31
275	1254.90	25.19
276	1258.30	25.27
277	1265.37	25.01
278	1268.81	24.83
279	1270.47	24.90

Order	Station [ft]	Elevation [ft]
280	1279.33	25.10
281	1283.85	25.16
282	1289.84	25.47
283	1297.77	25.47
284	1300.35	25.42
285	1301.60	25.43
286	1310.87	25.48
287	1317.16	25.61
288	1320.51	25.57
289	1321.35	25.54
290	1329.77	24.84
291	1331.45	24.84
292	1332.97	25.00
293	1339.82	25.73
294	1341.60	25.91
295	1341.99	25.92
296	1351.76	25.65
297	1354.36	25.74
298	1357.26	25.82
299	1361.99	25.89
300	1363.57	25.92
301	1369.90	26.35
302	1372.29	26.44
303	1380.06	26.39
304	1382.60	26.19
305	1385.43	26.06
306	1386.48	26.05
307	1392.69	25.50
308	1398.58	25.06
309	1402.69	25.09
310	1408.34	25.22
311	1412.70	25.56
312	1417.28	25.67
313	1418.75	25.66
314	1422.86	25.73
315	1426.29	25.79
316	1433.26	25.50
317	1434.38	25.51
318	1438.30	25.53
319	1442.47	25.49
320	1443.66	25.51
321	1450.55	25.51
322	1454.06	25.59
323	1460.37	25.79
324	1464.46	25.84
325	1466.73	25.88
326	1474.68	26.16
327	1474.86	26.16
328	1474.93	26.16

Order	Station [ft]	Elevation [ft]
329	1485.26	25.98
330	1487.14	25.98
331	1490.42	25.96
332	1496.15	25.89
333	1502.94	25.80
334	1507.15	25.77
335	1513.37	25.89
336	1518.14	25.80
337	1520.01	25.81
338	1524.77	25.81
339	1530.47	25.83
340	1535.13	25.77
341	1541.20	25.78
342	1543.08	25.80
343	1549.27	25.94
344	1552.31	26.01
345	1553.89	26.03
346	1556.07	26.07
347	1557.58	26.09
348	1563.93	26.21
349	1567.67	26.20
350	1577.29	26.53
351	1578.54	26.56
352	1579.28	26.52
353	1582.13	26.61
354	1590.88	26.80
355	1593.15	26.70
356	1596.99	26.65
357	1602.49	26.60
358	1610.37	26.51
359	1614.10	26.41
360	1616.70	26.41
361	1622.36	26.41
362	1625.70	26.36
363	1636.40	26.53
364	1637.31	26.54
365	1638.61	26.52
366	1646.54	26.40
367	1651.42	26.45
368	1651.74	26.45
369	1651.89	26.45
370	1659.27	26.57
371	1662.90	26.66
372	1672.74	26.95
373	1673.91	26.97
374	1674.35	26.96
375	1675.29	26.94
376	1684.93	26.35
377	1693.18	26.61

Order	Station [ft]	Elevation [ft]
378	1695.94	26.56
379	1696.95	26.57
380	1699.15	26.65
381	1706.95	26.74
382	1713.63	26.76
383	1717.97	26.68
384	1719.56	26.69
385	1723.02	26.96
386	1728.98	27.01
387	1734.63	26.69
388	1739.99	26.81
389	1742.30	26.75
390	1747.15	26.78
391	1750.51	26.65
392	1755.26	26.67
393	1760.89	26.40
394	1770.91	25.97
395	1771.28	25.96
396	1771.48	25.95
397	1772.22	25.97
398	1781.66	26.00
399	1785.34	26.05
400	1792.05	25.85
401	1795.10	25.79
402	1798.02	25.72
403	1802.21	25.63
404	1807.04	25.58
405	1812.28	25.58
406	1816.07	25.57
407	1822.34	25.62
408	1825.09	25.61
409	1826.41	25.62

Comment:

Weir Cross Section: OW-DS WEST-WETLAND 5

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	44.65	25.06
2	48.15	25.53
3	49.18	25.66
4	51.04	25.96
5	53.69	26.08

Order	Station [ft]	Elevation [ft]
6	61.19	26.22
7	66.45	26.27
8	71.35	26.32
9	75.09	26.33
10	81.50	26.20
11	83.72	26.15
12	91.65	25.98
13	92.35	25.97
14	96.33	25.98
15	101.81	26.00
16	102.98	25.97
17	111.96	25.83
18	115.30	25.84
19	122.12	25.86
20	127.62	25.89
21	132.27	25.91
22	139.94	25.98
23	142.42	26.00
24	152.26	26.07
25	152.58	26.07
26	154.05	26.07
27	161.43	26.04
28	162.73	26.04
29	170.07	26.00
30	172.88	25.98
31	178.70	25.95
32	183.04	25.98
33	189.23	26.07
34	193.19	26.11
35	195.97	26.11
36	203.34	25.99
37	204.60	25.97
38	211.77	25.86
39	213.24	25.83
40	213.50	25.83
41	221.87	25.85
42	223.65	25.85
43	230.51	25.85
44	233.80	25.85
45	239.14	25.74
46	243.96	25.72
47	250.83	25.75
48	254.11	25.79
49	263.15	25.89
50	264.27	25.90
51	265.05	25.90
52	269.48	25.94
53	273.68	25.97
54	274.42	25.97

Order	Station [ft]	Elevation [ft]
55	282.31	25.91
56	284.57	25.90
57	290.95	25.83
58	294.73	25.77
59	300.11	25.45
60	304.88	25.35
61	312.44	25.40
62	315.03	25.27
63	316.85	25.33
64	325.19	25.71
65	327.20	25.79
66	334.12	26.07
67	335.34	26.05
68	342.76	25.70
69	345.49	25.56
70	351.39	25.36
71	355.65	25.52
72	361.72	25.59
73	365.80	25.67
74	368.66	25.65
75	375.95	25.45
76	377.29	25.41
77	384.91	25.40
78	385.93	25.39
79	386.11	25.40
80	394.56	24.59
81	396.26	24.40
82	403.20	23.68
83	406.42	23.31
84	411.83	23.65
85	416.57	24.06
86	420.47	24.50
87	426.72	25.22
88	429.10	25.19
89	436.88	25.43
90	437.74	25.33
91	442.63	24.41
92	446.37	23.75
93	447.03	23.63
94	447.97	23.53
95	457.18	23.38
96	463.64	23.33
97	467.34	23.51
98	472.28	23.49
99	477.49	23.43
100	480.91	23.51
101	487.64	23.18
102	489.54	23.22
103	497.80	23.38

Order	Station [ft]	Elevation [ft]
104	498.18	23.36
105	500.35	23.34
106	506.81	23.31
107	507.95	23.26
108	515.45	23.01
109	518.10	22.95
110	521.89	22.98
111	528.26	23.05
112	532.72	23.10
113	538.41	23.22
114	541.35	23.23
115	548.56	23.06
116	549.99	23.04
117	558.06	23.11
118	558.72	23.14
119	567.26	23.53
120	568.87	23.45
121	575.89	23.60
122	579.03	23.60
123	583.50	23.41
124	589.18	23.47
125	593.16	23.66
126	599.33	23.76
127	601.79	23.69
128	609.49	23.54
129	615.78	23.32
130	619.06	23.28
131	619.64	23.30
132	620.46	23.30
133	629.79	23.78
134	636.33	23.99
135	639.95	23.92
136	644.97	23.94
137	650.10	24.14
138	653.60	24.25
139	660.25	24.67
140	662.24	24.73
141	670.41	24.94
142	670.87	24.96
143	673.50	25.02
144	679.50	25.13
145	680.56	25.11
146	688.14	26.32
147	690.71	26.45
148	696.77	25.62
149	700.87	25.49
150	705.41	25.70
151	711.02	25.85
152	714.04	26.33

Order	Station [ft]	Elevation [ft]
153	721.18	26.45
154	722.68	26.23
155	731.21	26.10
156	731.31	26.10
157	731.33	26.10
158	731.35	26.10
159	741.48	23.77
160	748.58	24.13
161	751.64	24.23
162	756.00	24.14
163	761.79	24.43
164	768.32	24.80
165	771.94	25.21
166	780.64	25.02
167	782.10	25.16
168	788.93	24.60
169	791.75	24.42
170	792.25	24.44
171	800.39	25.71
172	802.40	25.69
173	809.02	26.71
174	812.56	26.87
175	817.66	27.54
176	822.71	28.05
177	826.29	26.62
178	832.86	26.15
179	842.24	25.60
180	843.02	25.56
181	846.65	25.26
182	852.20	24.63
183	853.17	24.67
184	854.56	24.73
185	863.33	24.67
186	869.46	24.85
187	873.48	24.79
188	878.10	25.18
189	883.63	25.31
190	886.73	25.42
191	893.79	25.79
192	895.37	25.66
193	903.94	26.28
194	904.00	26.29
195	904.36	26.26
196	912.64	25.50
197	914.09	25.54
198	921.27	26.13
199	924.25	26.20
200	929.91	26.39
201	934.40	26.22

Order	Station [ft]	Elevation [ft]
202	938.54	26.62
203	944.55	26.55
204	953.13	25.90
205	954.71	25.71
206	955.81	25.41
207	962.08	23.77
208	964.86	23.15
209	965.45	23.16
210	975.01	24.92
211	977.78	25.40
212	985.17	26.32
213	990.35	26.58
214	995.32	26.83
215	998.98	26.61
216	1000.62	26.53
217	1002.67	26.55
218	1007.31	26.63
219	1013.50	26.13
220	1017.34	25.83
221	1024.32	25.29
222	1027.37	25.01
223	1035.15	24.87
224	1037.39	24.90
225	1045.98	24.89
226	1047.42	24.86
227	1048.66	24.84
228	1057.45	24.70
229	1058.00	24.69
230	1065.45	24.59
231	1067.48	24.56
232	1067.64	24.56
233	1077.50	24.42
234	1078.47	24.44
235	1087.53	24.76
236	1089.30	24.78
237	1097.56	25.84
238	1100.12	25.78
239	1107.59	24.89
240	1110.95	24.88
241	1117.61	24.84
242	1121.78	24.79
243	1127.64	24.66
244	1132.61	24.80
245	1137.67	24.86
246	1142.03	24.71
247	1147.70	24.35
248	1154.27	24.91
249	1157.72	24.83
250	1165.10	26.39

Order	Station [ft]	Elevation [ft]
251	1167.75	26.74
252	1170.04	26.71
253	1177.78	26.54
254	1186.75	24.72
255	1187.80	24.68
256	1197.58	24.46
257	1197.83	24.44
258	1198.05	24.44
259	1200.98	24.63
260	1207.39	25.00
261	1207.86	25.05
262	1208.41	25.07
263	1217.89	26.83
264	1220.70	26.95
265	1226.10	27.20
266	1227.91	27.11
267	1229.97	27.14
268	1237.93	26.42
269	1244.92	24.91
270	1247.95	24.84
271	1254.32	24.77
272	1257.97	24.42
273	1262.13	24.38
274	1267.99	24.44
275	1272.85	24.42
276	1278.02	24.39
277	1282.55	24.48
278	1288.04	24.60
279	1294.29	24.29
280	1298.06	24.10
281	1305.01	23.92
282	1308.08	23.87
283	1310.77	23.83
284	1318.10	23.89
285	1326.45	23.70
286	1328.12	23.64
287	1329.59	23.90
288	1338.14	26.00
289	1339.00	25.90
290	1348.16	27.19
291	1352.07	27.20
292	1358.19	26.99
293	1358.61	26.98
294	1368.21	26.36
295	1376.63	25.49
296	1378.23	25.52
297	1386.04	25.51
298	1388.25	25.52
299	1390.77	25.36

Order	Station [ft]	Elevation [ft]
300	1398.27	24.94
301	1401.49	25.29
302	1408.29	25.70
303	1412.21	25.89
304	1418.31	26.07
305	1422.93	25.89
306	1428.33	25.71
307	1433.08	25.04
308	1438.36	24.83
309	1442.48	24.78
310	1448.38	24.15
311	1455.09	23.98
312	1458.40	23.82
313	1465.81	23.83
314	1468.42	23.88
315	1476.53	23.93
316	1478.44	23.94
317	1480.12	23.85
318	1488.46	23.65
319	1497.97	23.78
320	1498.48	23.79
321	1505.82	23.73
322	1508.50	23.71
323	1517.75	24.51
324	1518.53	24.61
325	1519.41	24.58
326	1528.55	24.47
327	1536.56	25.36
328	1538.57	25.46
329	1540.85	25.65
330	1548.59	26.10
331	1551.57	25.88
332	1558.61	25.77
333	1564.79	25.17
334	1568.63	25.01
335	1573.01	25.53
336	1578.65	25.49
337	1583.73	25.65
338	1588.67	25.93
339	1594.45	25.76
340	1598.69	25.70
341	1602.42	25.31
342	1608.72	24.42
343	1615.89	24.32
344	1618.74	24.32
345	1626.61	24.14
346	1628.76	24.15
347	1637.33	24.14
348	1638.78	24.16

Order	Station [ft]	Elevation [ft]
349	1648.05	24.09
350	1648.80	24.06
351	1658.77	24.16
352	1658.82	24.16
353	1659.57	24.17
354	1668.28	24.34
355	1668.84	24.37
356	1669.49	24.37
357	1678.86	24.83
358	1680.21	24.92
359	1688.89	25.11
360	1690.93	25.34
361	1698.91	26.50
362	1701.65	26.60
363	1708.93	27.12
364	1715.32	25.89
365	1718.95	25.83
366	1723.09	25.27
367	1728.97	24.93
368	1734.13	24.83
369	1738.99	24.80
370	1744.53	24.20
371	1749.01	23.94
372	1752.95	23.78
373	1759.03	23.65
374	1762.36	23.61
375	1769.06	23.67
376	1771.76	23.73
377	1779.08	23.77
378	1787.41	24.06
379	1789.10	24.10
380	1798.13	25.61
381	1799.12	25.65
382	1799.59	25.61
383	1806.49	24.78
384	1809.58	24.52
385	1815.48	24.68
386	1820.05	24.40
387	1822.45	24.45
388	1830.11	24.64
389	1830.53	24.65
390	1838.41	24.48
391	1841.01	24.57
392	1846.39	24.78
393	1851.48	24.63
394	1854.38	24.63
395	1861.96	25.57
396	1862.36	25.58
397	1863.63	25.56

Order	Station [ft]	Elevation [ft]
398	1870.34	25.13
399	1872.44	25.40
400	1878.32	25.46
401	1882.92	24.99
402	1891.69	25.02
403	1893.39	25.08
404	1894.29	25.04
405	1897.14	25.07
406	1903.87	25.12
407	1910.25	25.08
408	1914.35	25.22
409	1918.23	25.27
410	1924.83	25.15
411	1926.21	25.16
412	1930.65	25.25
413	1935.30	25.33
414	1942.18	25.46
415	1943.73	25.56
416	1945.72	25.67
417	1953.72	25.25
418	1955.88	25.10
419	1965.66	24.82
420	1966.04	24.81
421	1966.13	24.81
422	1976.21	25.45
423	1983.20	25.49
424	1986.37	25.53
425	1990.94	25.53
426	1996.53	25.52
427	2003.35	25.54
428	2006.69	25.57
429	2015.76	25.64
430	2016.86	25.64
431	2021.84	25.65
432	2027.02	25.66
433	2034.83	25.57
434	2037.18	25.56
435	2040.57	25.54
436	2041.39	25.54
437	2047.00	25.53
438	2049.93	25.52
439	2050.46	25.52
440	2063.02	25.34
441	2065.95	25.31
442	2076.12	25.32
443	2081.44	25.25
444	2089.21	25.15
445	2096.93	25.05
446	2102.31	25.00

Order	Station [ft]	Elevation [ft]
447	2112.42	24.91
448	2114.03	24.88
449	2115.40	24.85
450	2121.13	24.74
451	2127.91	24.57
452	2128.23	24.56
453	2128.50	24.56
454	2135.32	24.47
455	2141.59	24.47
456	2143.39	24.47
457	2154.69	24.47
458	2158.88	24.52
459	2167.78	24.67
460	2174.37	25.13
461	2180.88	25.62
462	2189.86	25.40
463	2193.97	25.24
464	2205.35	25.35
465	2207.07	25.35
466	2216.48	25.03
467	2220.16	24.91
468	2220.84	24.89
469	2233.26	24.56
470	2236.33	24.45
471	2241.76	24.33
472	2246.35	24.39
473	2251.81	24.49
474	2255.95	24.62
475	2259.45	24.65
476	2267.30	25.03
477	2270.14	25.11
478	2272.54	25.24
479	2277.24	25.43
480	2280.03	25.60
481	2284.46	25.87
482	2284.99	25.89
483	2286.94	25.87
484	2294.81	25.88
485	2297.68	25.94
486	2305.16	26.08
487	2311.81	25.73
488	2315.52	25.55
489	2325.67	25.34
490	2325.83	25.33
491	2325.87	25.33
492	2333.99	26.35
493	2336.22	26.39
494	2342.16	25.51
495	2346.57	25.70

Order	Station [ft]	Elevation [ft]
496	2354.19	25.92
497	2356.11	26.04
498	2356.94	26.09
499	2358.40	26.02
500	2362.47	26.06
501	2366.22	25.90
502	2367.56	25.87
503	2370.40	25.75
504	2378.18	25.17
505	2381.86	25.05
506	2388.80	25.06
507	2392.16	25.00
508	2399.42	24.89
509	2405.33	25.07
510	2410.04	25.28
511	2420.00	25.63
512	2420.66	25.65
513	2420.98	25.63
514	2421.85	25.75
515	2429.64	26.11
516	2431.38	26.17
517	2436.26	25.67
518	2442.64	25.50
519	2443.68	25.39
520	2445.71	25.54
521	2453.89	25.83
522	2458.53	25.80
523	2465.15	25.96
524	2467.50	25.97
525	2476.40	25.69
526	2485.92	25.80
527	2487.66	25.79
528	2489.29	25.86
529	2498.92	25.79
530	2509.21	25.78
531	2510.17	25.73
532	2511.07	25.72
533	2521.43	25.33
534	2532.49	25.45
535	2532.68	25.45
536	2532.86	25.46
537	2540.17	25.78
538	2543.94	25.64
539	2547.59	25.15
540	2554.65	26.21
541	2555.19	26.24
542	2555.77	26.28
543	2566.45	26.48
544	2571.06	26.37

Order	Station [ft]	Elevation [ft]
545	2574.93	26.28
546	2577.01	26.04
547	2578.73	26.00
548	2584.11	25.46
549	2590.59	26.11
550	2591.21	26.13
551	2591.72	26.09
552	2598.31	25.66
553	2604.71	27.12
554	2605.41	27.06
555	2606.25	27.14
556	2612.51	26.85
557	2617.71	26.52
558	2621.92	26.26
559	2630.70	25.66
560	2637.58	25.80
561	2643.69	25.80
562	2653.25	26.02
563	2656.68	26.10
564	2662.23	25.48
565	2668.91	25.03
566	2669.67	24.98
567	2673.36	24.92
568	2682.66	24.70
569	2683.53	24.73
570	2684.58	24.87
571	2690.63	25.60
572	2695.66	26.45
573	2700.24	26.55
574	2704.84	25.77
575	2708.65	25.91
576	2715.91	25.93
577	2721.62	25.86
578	2721.66	25.86
579	2728.55	25.49
580	2733.85	25.51
581	2739.45	25.67
582	2746.72	25.54
583	2750.36	25.58
584	2756.85	25.62
585	2761.27	25.47
586	2764.45	25.47
587	2771.78	25.42
588	2772.17	25.42
589	2772.47	25.42
590	2783.08	25.49
591	2791.78	25.55
592	2793.98	25.60
593	2794.85	25.61

Order	Station [ft]	Elevation [ft]
594	2796.84	25.62
595	2802.45	25.66
596	2804.89	25.68
597	2811.09	25.74
598	2812.74	25.75
599	2813.98	25.75
600	2816.54	25.73
601	2822.84	25.71
602	2826.95	25.72
603	2828.62	25.74
604	2837.36	25.84
605	2842.18	25.83
606	2847.77	26.02
607	2857.90	26.36
608	2858.18	26.37
609	2858.85	26.39
610	2860.79	26.39
611	2865.75	26.30
612	2870.27	26.18
613	2872.87	26.12
614	2876.24	26.19
615	2880.00	26.25
616	2882.92	26.21
617	2887.13	26.13
618	2892.56	26.07
619	2895.57	26.20
620	2901.38	26.53
621	2908.23	27.42
622	2908.88	27.41
623	2915.64	26.26
624	2920.88	26.56
625	2925.20	26.44
626	2933.53	26.16
627	2941.53	25.80
628	2944.15	25.49
629	2946.18	25.64
630	2957.85	25.92
631	2958.84	25.90
632	2962.24	25.98
633	2971.49	25.89
634	2974.17	26.07
635	2979.79	26.08
636	2984.14	26.10
637	2990.49	26.24
638	2994.04	26.25
639	2996.79	26.22
640	3001.17	25.93
641	3006.81	26.49
642	3008.30	26.51

Order	Station [ft]	Elevation [ft]
643	3009.45	26.52
644	3013.26	26.64
645	3014.68	26.73
646	3020.57	26.80
647	3029.86	26.73
648	3031.04	26.63
649	3031.67	26.64
650	3033.68	26.66
651	3041.52	26.40
652	3047.65	26.19
653	3051.99	26.50
654	3055.64	26.32
655	3062.46	26.73
656	3063.63	26.70
657	3067.42	26.58
658	3071.62	26.13
659	3072.93	26.08
660	3079.61	25.47
661	3083.40	25.13
662	3087.60	24.94
663	3093.87	25.04
664	3095.59	25.00
665	3101.16	25.40
666	3104.34	25.57
667	3111.58	26.03
668	3114.81	26.19
669	3120.95	26.15
670	3125.28	26.03
671	3134.90	26.43
672	3135.75	26.47
673	3136.13	26.49
674	3146.22	26.98
675	3151.31	27.14
676	3156.69	27.05
677	3159.52	27.29
678	3167.16	26.89
679	3168.64	26.86
680	3175.50	26.68
681	3177.63	26.55
682	3181.68	26.73
683	3188.10	27.22
684	3191.48	26.88
685	3198.57	26.83
686	3202.38	26.32
687	3209.04	25.41
688	3215.45	25.59
689	3219.51	25.52
690	3219.77	25.52
691	3223.48	25.63

Order	Station [ft]	Elevation [ft]
692	3230.47	25.96
693	3231.04	25.95
694	3232.30	25.85
695	3241.44	25.19
696	3246.16	25.26
697	3252.41	25.27
698	3256.62	25.44
699	3261.28	25.64
700	3263.38	25.67
701	3268.95	26.31
702	3274.36	26.72
703	3276.40	26.85
704	3280.93	27.09
705	3283.96	27.17
706	3285.33	27.23
707	3288.94	27.12
708	3289.94	27.10
709	3290.67	27.08
710	3296.49	27.06
711	3305.31	26.64
712	3306.90	26.56
713	3310.80	26.42
714	3317.31	26.21
715	3323.93	26.50
716	3327.72	26.41
717	3334.60	26.47
718	3338.13	26.51
719	3340.08	26.39
720	3346.81	26.62
721	3348.15	26.64
722	3348.54	26.65
723	3356.23	26.03
724	3358.95	25.94
725	3364.30	25.96
726	3367.25	26.06

Comment:

Weir Cross Section: OW-OFFSITE2-WETLAND 1

Scenario: Icpr3

Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
0	0.00	26.32
1	22.36	25.55

Order	Station [ft]	Elevation [ft]
2	44.72	25.44
3	67.08	25.44
4	89.44	25.56
5	111.80	25.55
6	134.16	25.44
7	156.52	25.67
8	178.89	25.94
9	201.25	25.62
10	223.61	25.80
11	245.97	25.54
12	268.33	25.60
13	290.59	25.48
14	313.05	25.56
15	335.41	25.49
16	357.77	25.26
17	380.13	25.19
18	402.49	25.40
19	424.85	25.30
20	447.21	25.16
21	469.57	25.30
22	491.93	25.37
23	514.30	25.31
24	536.66	25.51
25	559.02	25.62
26	581.82	25.49
27	603.74	25.44
28	626.10	25.29
29	648.46	25.44
30	670.82	25.73
31	693.18	25.33
32	715.54	25.59
33	737.90	25.69
34	760.26	25.26

Comment:

Weir Cross Section: OW-WETLAND 2-DS EAST

Scenario: Icpr3

Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	25.61
2	3.84	25.74
3	6.99	25.79
4	8.05	25.79

Order	Station [ft]	Elevation [ft]
5	14.87	25.26
6	18.61	25.48
7	22.64	25.40
8	27.16	25.58
9	35.39	25.49
10	38.60	25.45
11	44.81	25.39
12	49.11	25.23
13	49.92	25.22
14	53.23	25.48
15	59.92	25.48
16	63.14	25.47
17	69.92	25.83
18	73.05	25.63
19	79.92	25.74
20	82.96	25.92
21	89.92	26.59
22	97.01	26.68
23	99.93	26.41
24	107.10	26.32
25	109.93	26.36
26	112.70	26.50
27	119.93	26.68
28	127.29	26.52
29	129.93	26.40
30	137.38	26.71
31	139.93	26.56
32	142.43	26.84
33	149.93	26.68
34	152.34	26.83
35	159.93	27.15
36	167.65	26.94
37	169.93	26.71
38	172.17	26.71
39	179.93	26.76
40	182.08	26.74
41	189.93	26.23
42	191.99	26.19
43	199.93	25.49
44	208.01	25.72
45	209.93	25.64
46	218.10	25.90
47	219.93	26.01
48	228.19	26.53
49	229.93	26.64
50	231.64	26.52
51	239.93	26.56
52	241.55	26.59
53	249.93	26.58

Order	Station [ft]	Elevation [ft]
54	251.46	26.63
55	259.93	26.41
56	261.37	26.27
57	269.93	25.90
58	278.65	26.43
59	279.93	26.46
60	288.74	26.72
61	289.93	26.80
62	298.83	26.92
63	299.93	26.82
64	301.02	26.79
65	309.93	26.45
66	310.93	26.48
67	319.93	25.50
68	329.10	26.66
69	329.93	26.66
70	330.75	26.69
71	335.92	26.62
72	339.93	26.56
73	340.69	26.57
74	349.93	26.04
75	350.66	26.00
76	359.93	25.37
77	369.27	26.16
78	369.94	26.20
79	370.60	26.20
80	379.94	26.27
81	380.57	26.25
82	389.94	26.65
83	390.54	26.65
84	399.94	26.94
85	409.39	26.65
86	409.94	26.64
87	410.48	26.63
88	419.94	26.51
89	420.45	26.49
90	429.94	26.91
91	439.48	26.35
92	439.94	26.35
93	440.39	26.35
94	449.94	25.51
95	450.36	25.53
96	459.94	25.24
97	469.57	25.89
98	469.94	25.89
99	470.30	25.86
100	479.94	25.92
101	480.27	25.92
102	489.94	25.99

Order	Station [ft]	Elevation [ft]
103	490.24	25.99
104	499.94	25.96
105	500.21	25.95
106	509.94	25.74
107	510.18	25.74
108	519.94	25.80
109	520.15	25.81
110	529.94	25.83
111	530.12	25.83
112	539.94	25.12
113	540.09	25.11
114	549.94	24.58
115	559.84	24.66
116	559.94	24.66
117	560.03	24.67
118	569.94	25.89
119	570.00	25.89
120	579.94	25.74
121	579.97	25.74
122	589.94	24.51
123	589.94	24.51
124	591.88	24.44
125	599.91	24.14
126	599.94	24.14
127	609.88	24.07
128	609.94	24.07
129	619.85	24.02
130	619.94	24.02
131	629.82	24.00
132	629.94	23.99
133	639.79	24.11
134	639.94	24.12
135	649.76	24.48
136	649.94	24.49
137	659.73	24.97
138	659.94	24.98
139	660.14	24.98
140	669.94	25.40
141	679.67	24.52
142	679.94	24.51
143	689.64	24.19
144	689.94	24.17
145	699.61	24.42
146	699.94	24.43
147	709.58	24.68
148	709.94	24.68
149	719.55	25.24
150	719.94	25.24
151	720.32	25.26

Order	Station [ft]	Elevation [ft]
152	729.94	25.36
153	739.49	25.57
154	739.94	25.58
155	740.38	25.58
156	749.94	25.87
157	759.43	26.02
158	759.94	26.02
159	760.44	26.04
160	762.90	26.03
161	766.57	26.09
162	772.81	26.07
163	776.14	26.09
164	783.27	26.12
165	784.16	26.10
166	787.09	26.04
167	793.72	25.89
168	800.19	25.91
169	800.92	25.92
170	804.17	25.92
171	814.48	25.91
172	814.61	25.91
173	814.91	25.91
174	825.05	25.90
175	829.40	25.90
176	835.49	25.90
177	838.77	25.88
178	845.93	25.85
179	849.68	25.90
180	856.37	26.03
181	859.24	26.10
182	866.81	26.25
183	870.89	26.31
184	877.25	26.46
185	884.46	26.22
186	886.95	26.10
187	887.69	26.09
188	889.08	26.09
189	898.13	26.03
190	903.01	26.11
191	908.58	26.18
192	911.04	26.18
193	919.02	26.17
194	919.07	26.17
195	919.23	26.17
196	929.04	26.04
197	929.52	26.03
198	931.37	25.97
199	934.24	25.88
200	941.42	25.74

Order	Station [ft]	Elevation [ft]
201	952.67	25.70
202	953.32	25.70
203	960.30	25.67
204	965.23	25.70
205	967.53	25.71
206	971.11	25.74
207	977.13	25.81
208	982.00	25.84
209	989.03	25.86
210	989.23	25.86
211	989.54	25.86
212	996.47	25.85
213	1000.94	25.84
214	1007.98	25.84
215	1012.84	25.85
216	1021.70	25.87
217	1024.74	25.88
218	1025.40	25.86
219	1026.41	25.84
220	1032.63	25.59
221	1036.65	25.51
222	1039.86	25.56
223	1044.85	25.80
224	1048.55	25.98
225	1054.33	26.06
226	1060.45	25.81
227	1061.56	25.78
228	1063.28	25.79
229	1072.36	25.82
230	1076.03	26.00
231	1079.97	25.99
232	1084.38	26.11
233	1089.05	26.46
234	1095.71	26.58
235	1096.60	26.56
236	1098.72	26.51
237	1108.83	26.28
238	1113.09	26.08
239	1121.05	25.97
240	1124.94	25.82
241	1130.47	25.70
242	1133.28	25.64
243	1139.92	25.63
244	1145.50	25.64
245	1147.86	25.66
246	1157.73	25.72
247	1160.83	25.70
248	1165.24	25.84
249	1168.01	25.86

Order	Station [ft]	Elevation [ft]
250	1169.95	25.95
251	1172.48	25.93
252	1179.12	25.85
253	1189.10	26.26
254	1190.50	26.25
255	1197.38	25.82
256	1201.88	25.63
257	1210.06	24.84
258	1212.13	24.68
259	1213.26	24.91
260	1219.51	26.46
261	1224.64	26.91
262	1226.88	26.84
263	1231.01	26.57
264	1236.02	26.18
265	1241.63	26.14
266	1247.40	26.08
267	1251.97	26.01
268	1258.78	25.93
269	1263.76	25.81
270	1270.16	25.78
271	1271.13	25.79
272	1272.92	25.77
273	1278.50	25.65
274	1279.62	25.65
275	1281.30	25.67
276	1288.06	25.56
277	1291.30	25.57
278	1294.58	25.61
279	1301.30	25.71
280	1307.96	25.66
281	1311.30	25.65
282	1317.91	25.81
283	1321.30	25.85
284	1327.86	25.81
285	1331.30	25.83
286	1334.78	25.80
287	1341.30	25.88
288	1347.76	25.77
289	1351.30	25.98
290	1357.71	26.04
291	1361.30	25.86
292	1364.94	26.07
293	1371.30	26.37
294	1377.61	26.19
295	1381.30	26.15
296	1387.56	26.17
297	1391.30	26.21
298	1395.09	26.33

Order	Station [ft]	Elevation [ft]
299	1401.30	26.80
300	1404.72	26.87
301	1406.72	26.91
302	1412.44	26.71
303	1413.99	26.56
304	1416.51	26.42
305	1424.17	25.89
306	1435.64	25.60
307	1435.91	25.60
308	1443.08	25.63
309	1447.64	25.57
310	1450.35	25.52
311	1454.77	25.45
312	1459.37	25.52
313	1466.67	25.79
314	1471.10	25.93
315	1472.16	25.94
316	1473.89	26.05
317	1479.43	26.31
318	1482.83	26.32
319	1486.70	26.35
320	1493.02	26.70
321	1494.56	26.73
322	1497.01	26.57
323	1506.29	26.02
324	1512.14	26.19
325	1515.79	26.38
326	1518.02	26.46
327	1527.36	26.30
328	1529.76	26.25
329	1531.27	26.20
330	1541.49	25.75
331	1544.87	25.74
332	1550.39	25.79
333	1552.14	25.81
334	1553.22	25.76
335	1557.70	25.82
336	1564.95	25.73
337	1566.69	25.81
338	1569.52	25.87
339	1573.96	25.92
340	1576.68	25.91
341	1588.04	25.89
342	1588.41	25.89
343	1588.50	25.89
344	1588.65	25.90
345	1595.77	26.30
346	1600.14	26.24
347	1603.04	26.19

Order	Station [ft]	Elevation [ft]
348	1607.77	26.05
349	1611.87	25.96
350	1618.38	25.91
351	1623.61	25.81
352	1624.86	25.80
353	1626.90	25.71
354	1635.34	25.60
355	1646.02	25.90
356	1647.07	25.91
357	1647.24	25.91
358	1660.64	25.61
359	1661.02	25.61
360	1667.90	25.59
361	1674.94	25.49
362	1675.00	25.49
363	1677.58	25.59
364	1688.99	26.05
365	1689.12	26.06
366	1689.25	26.06
367	1702.97	25.70
368	1703.56	25.70
369	1716.95	26.90
370	1717.40	26.92
371	1717.86	26.91
372	1724.47	26.59
373	1730.94	26.05
374	1732.17	26.09
375	1738.62	26.41
376	1744.92	26.30
377	1746.47	26.31
378	1758.90	25.83
379	1759.83	25.70
380	1760.78	25.70
381	1766.90	25.78
382	1772.89	25.74
383	1773.97	25.75
384	1775.09	25.77
385	1786.87	25.81
386	1789.39	25.76
387	1800.86	25.75
388	1803.70	25.69
389	1814.84	25.65
390	1818.01	25.72
391	1828.82	25.72
392	1832.31	25.76
393	1837.62	25.84
394	1842.81	25.74
395	1846.62	25.72
396	1851.76	25.94

Order	Station [ft]	Elevation [ft]
397	1856.79	26.12
398	1860.92	26.18
399	1870.77	25.88
400	1875.23	25.98
401	1884.76	26.37
402	1889.54	26.41
403	1898.74	25.83
404	1903.84	25.54
405	1908.33	25.48
406	1912.72	25.45
407	1918.15	25.50
408	1922.48	25.63
409	1926.71	25.56
410	1932.45	25.47
411	1940.69	25.48
412	1946.76	25.54
413	1954.67	25.43
414	1961.07	25.41
415	1968.66	25.53
416	1975.37	25.50
417	1982.64	25.42
418	1989.68	25.52
419	1996.63	25.69
420	2003.99	25.62
421	2010.61	25.56
422	2018.29	25.55
423	2024.59	25.40
424	2026.99	25.41
425	2029.99	25.35
426	2031.02	25.33
427	2031.65	25.32
428	2034.23	25.41
429	2041.31	25.66
430	2048.21	25.99
431	2051.61	25.95
432	2056.49	26.03
433	2061.90	26.32
434	2064.77	26.31
435	2072.19	26.08
436	2076.57	25.79
437	2081.32	25.45
438	2082.48	25.44
439	2089.60	25.40
440	2092.77	25.46
441	2097.88	25.51
442	2103.06	25.49
443	2106.16	25.51
444	2113.35	25.30
445	2114.44	25.31

Order	Station [ft]	Elevation [ft]
446	2118.91	25.43
447	2123.64	25.60
448	2131.00	25.62
449	2133.93	25.66
450	2138.76	25.81
451	2144.23	25.93
452	2147.56	25.96
453	2154.52	26.03
454	2155.83	26.07
455	2161.26	25.92
456	2164.11	25.87
457	2164.81	25.82
458	2172.39	25.67
459	2175.10	25.60
460	2180.67	25.43
461	2185.39	25.60
462	2193.14	25.66
463	2195.68	25.78
464	2197.23	25.77
465	2203.60	25.75
466	2205.97	25.75
467	2210.66	25.74
468	2213.55	25.74
469	2216.56	25.77
470	2221.19	25.82
471	2227.40	25.72
472	2228.83	25.73
473	2232.25	25.76
474	2238.24	25.83
475	2244.12	25.96
476	2249.08	25.87
477	2251.76	25.80
478	2258.17	25.90
479	2259.92	25.92
480	2267.05	25.79
481	2270.76	25.78
482	2274.69	25.85
483	2281.60	26.25
484	2284.08	26.22
485	2289.97	26.00
486	2292.44	25.98
487	2298.44	25.87
488	2303.24	25.84
489	2305.53	25.77
490	2305.87	25.77
491	2306.33	25.77
492	2315.96	25.92
493	2318.00	25.92
494	2326.06	25.99

Order	Station [ft]	Elevation [ft]
495	2329.68	26.07
496	2336.15	25.87
497	2341.07	26.05
498	2346.24	25.81
499	2353.04	25.81
500	2356.33	25.83
501	2364.72	26.24
502	2366.42	26.21
503	2376.39	26.28
504	2376.51	26.29
505	2376.61	26.29
506	2377.28	26.26
507	2386.61	25.89
508	2394.38	26.03
509	2396.70	26.12
510	2403.26	26.05
511	2406.79	25.98
512	2411.43	25.96
513	2416.88	26.05
514	2421.03	25.99
515	2426.97	25.84
516	2434.78	25.92
517	2435.86	25.89
518	2437.06	25.85
519	2446.00	26.00
520	2447.11	26.00
521	2457.15	25.88
522	2457.16	25.88
523	2466.30	25.96
524	2467.21	25.94
525	2468.33	25.96
526	2477.26	25.99
527	2479.49	26.04
528	2487.31	26.27
529	2493.71	26.07
530	2497.36	25.99
531	2501.82	25.93
532	2507.41	25.77
533	2512.99	25.85
534	2517.46	25.93
535	2524.15	26.08
536	2527.51	26.14
537	2535.32	26.20
538	2537.56	26.15
539	2538.43	26.15
540	2543.63	26.01
541	2548.17	25.70
542	2550.83	25.64
543	2554.79	25.77

Order	Station [ft]	Elevation [ft]
544	2558.04	25.89
545	2560.22	25.87
546	2565.25	25.75
547	2572.27	25.89
548	2572.45	25.89
549	2572.72	25.90
550	2579.66	26.09
551	2584.32	26.03
552	2590.64	25.81
553	2594.07	25.72
554	2596.37	25.74
555	2601.27	25.99
556	2608.42	26.17
557	2608.56	26.16
558	2615.68	25.75
559	2620.47	26.42
560	2622.89	26.59
561	2626.48	26.36
562	2632.52	25.90
563	2636.75	26.04
564	2637.29	26.05
565	2642.31	25.91
566	2644.39	25.96
567	2646.88	26.04
568	2655.34	26.39
569	2662.48	26.09
570	2665.69	25.91
571	2668.37	25.86
572	2672.79	25.97
573	2678.07	25.86
574	2679.89	25.76
575	2681.40	25.77
576	2693.67	25.63
577	2694.09	25.63
578	2694.43	25.63
579	2698.29	25.67
580	2707.46	25.76
581	2709.27	25.73
582	2715.39	25.65
583	2720.49	25.62
584	2722.48	25.58
585	2724.87	25.76
586	2729.58	26.02
587	2733.52	26.06
588	2736.68	25.99
589	2740.47	25.99
590	2746.55	25.93
591	2756.06	25.70
592	2757.75	25.69

Order	Station [ft]	Elevation [ft]
593	2759.19	25.66
594	2760.93	25.63
595	2769.39	25.61
596	2773.70	25.58
597	2779.59	25.65
598	2783.50	25.62
599	2789.79	25.74
600	2791.99	25.81
601	2799.99	26.08
602	2802.90	25.96
603	2808.97	25.65
604	2810.19	25.62
605	2817.46	25.69
606	2820.39	25.69
607	2825.95	25.71
608	2830.59	25.67
609	2834.44	25.60
610	2840.79	25.69
611	2842.93	25.70
612	2850.99	25.63
613	2851.42	25.63
614	2853.52	25.69
615	2859.91	25.84
616	2861.20	25.84
617	2863.13	25.80
618	2871.40	25.50
619	2876.89	25.47
620	2881.60	25.50
621	2885.38	25.51
622	2891.80	25.50
623	2893.87	25.50
624	2902.00	25.47
625	2904.14	25.48
626	2910.19	25.49
627	2910.79	25.49
628	2912.31	25.50
629	2918.51	25.47
630	2923.04	25.45
631	2926.23	25.45
632	2933.78	25.57
633	2934.40	25.58
634	2944.51	25.67
635	2949.39	25.61
636	2955.25	25.61
637	2961.89	25.53
638	2964.83	25.49
639	2965.98	25.49
640	2972.55	25.66
641	2976.72	25.61

Order	Station [ft]	Elevation [ft]
642	2986.21	25.65
643	2987.45	25.63
644	2989.39	25.61
645	2995.72	25.49
646	2998.19	25.51
647	3003.44	25.50
648	3008.92	25.53
649	3011.16	25.58
650	3016.88	25.75
651	3019.66	25.79
652	3026.60	25.69
653	3030.39	25.71
654	3034.32	25.67
655	3041.13	25.81
656	3044.37	25.79
657	3049.76	25.74
658	3051.86	25.66
659	3057.48	25.58
660	3062.60	25.53
661	3071.87	25.52
662	3073.33	25.53
663	3080.64	25.59
664	3084.07	25.62
665	3088.36	25.68
666	3094.81	25.65
667	3096.09	25.65
668	3099.36	25.68
669	3105.54	25.68
670	3111.53	25.56
671	3113.77	25.55
672	3117.88	25.54
673	3118.87	25.54
674	3119.55	25.57
675	3126.06	25.86
676	3131.70	25.67
677	3133.25	25.63
678	3135.50	25.64
679	3140.44	25.79
680	3143.84	25.69
681	3147.63	25.75
682	3153.12	25.53
683	3154.82	25.49
684	3155.99	25.48
685	3162.01	25.37
686	3168.14	25.34
687	3169.20	25.34
688	3170.73	25.38
689	3180.28	25.49
690	3188.35	25.39

Order	Station [ft]	Elevation [ft]
691	3190.76	25.39
692	3192.43	25.40
693	3197.95	25.39
694	3204.58	25.29
695	3205.96	25.29
696	3216.73	25.35
697	3219.52	25.40
698	3223.58	25.50
699	3226.71	25.61
700	3228.87	25.59
701	3240.63	25.56
702	3241.02	25.56
703	3241.09	25.56
704	3241.19	25.56
705	3248.28	25.38
706	3253.17	25.77
707	3255.47	25.85
708	3258.81	25.78
709	3262.66	25.66
710	3265.31	25.77
711	3269.85	25.87
712	3276.43	25.80
713	3277.04	25.76
714	3277.46	25.76
715	3279.76	25.75
716	3289.61	25.67
717	3294.04	25.68
718	3295.17	25.68
719	3298.95	25.67
720	3300.88	25.67
721	3306.86	25.65
722	3311.42	25.66
723	3320.52	25.75
724	3321.96	25.76
725	3322.68	25.76
726	3324.85	25.77
727	3330.59	25.77
728	3332.50	25.72
729	3338.50	25.66
730	3343.03	25.59
731	3352.09	25.67
732	3353.57	25.69
733	3354.31	25.68
734	3356.55	25.67
735	3362.22	25.65
736	3364.11	25.62
737	3370.13	25.61
738	3374.65	25.60
739	3383.66	25.48

Order	Station [ft]	Elevation [ft]
740	3385.18	25.45
741	3385.95	25.44
742	3388.26	25.46
743	3395.72	25.49
744	3401.77	25.39
745	3406.26	25.40
746	3409.68	25.41
747	3410.74	25.41
748	3411.23	25.41

Comment:

Weir Cross Section: OW-WETLAND 2-WETLAND 3

Scenario: Icpr3

Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	25.61
2	1.22	25.59
3	8.78	25.75
4	11.89	25.87
5	18.80	26.11
6	22.57	26.18
7	25.99	26.26
8	31.20	26.25
9	32.38	26.25
10	34.58	26.22
11	42.97	26.01
12	48.65	25.89
13	53.56	26.11
14	58.99	26.14
15	62.24	26.12
16	63.88	26.15
17	73.48	26.03
18	73.94	26.01
19	74.31	26.03
20	77.87	26.07
21	80.45	26.05
22	81.13	26.10
23	84.29	26.12
24	90.95	26.21
25	91.33	26.21
26	94.96	26.24
27	99.22	26.04
28	105.24	25.94

Order	Station [ft]	Elevation [ft]
29	107.53	25.87
30	115.52	26.03
31	115.83	26.03
32	115.98	26.03
33	125.53	25.91
34	126.05	25.91
35	135.53	25.71
36	144.48	25.62
37	144.58	25.62
38	145.54	25.58
39	146.43	25.59
40	155.55	25.68
41	156.08	25.66
42	165.55	25.78
43	165.72	25.78
44	170.29	25.79
45	175.37	25.76
46	175.56	25.76
47	185.01	25.74
48	185.57	25.73
49	194.66	25.98
50	195.13	25.99
51	195.57	26.00
52	204.82	25.87
53	205.57	25.87
54	215.01	25.83
55	215.58	25.84
56	220.04	25.84
57	223.98	25.80
58	225.94	25.80
59	231.76	25.55
60	236.60	25.63
61	239.55	25.73
62	246.95	25.83
63	247.24	25.83
64	247.43	25.82
65	257.25	25.82
66	257.30	25.82
67	261.47	25.71
68	267.17	25.55
69	267.25	25.55
70	277.04	25.64
71	277.25	25.63
72	286.90	25.78
73	287.25	25.78
74	287.60	25.79
75	297.25	25.88
76	297.37	25.88
77	297.73	25.88

Order	Station [ft]	Elevation [ft]
78	307.25	25.82
79	317.00	25.69
80	317.25	25.69
81	327.12	26.07
82	327.25	26.07
83	327.64	26.06
84	335.66	25.95
85	337.25	25.92
86	347.08	25.92
87	347.25	25.91
88	347.43	25.92
89	357.25	25.84
90	357.59	25.85
91	360.85	25.83
92	367.26	25.79
93	376.15	25.63
94	377.27	25.65
95	378.32	25.67
96	378.64	25.68
97	387.87	25.76
98	395.52	26.02
99	398.52	26.05
100	398.90	26.06
101	399.90	26.08
102	403.42	26.05
103	409.26	25.87
104	413.02	25.89
105	420.00	25.80
106	430.66	25.92
107	430.74	25.92
108	430.85	25.92
109	434.11	25.89
110	441.80	25.81
111	452.39	25.83
112	453.01	25.82
113	453.08	25.82
114	453.42	25.83
115	465.23	25.91
116	466.49	25.91
117	474.45	25.84
118	476.68	25.76
119	477.21	25.80
120	480.03	25.78
121	487.62	25.69
122	497.24	25.95
123	497.95	25.97
124	498.75	25.96
125	505.24	25.85
126	508.70	25.75

Order	Station [ft]	Elevation [ft]
127	508.82	25.74
128	509.80	25.79
129	520.02	25.84
130	529.87	25.89
131	530.98	25.90
132	531.07	25.90
133	540.11	25.99
134	540.11	25.99
135	541.39	25.92
136	550.87	25.90
137	554.72	25.85
138	554.83	25.85
139	564.53	25.94
140	564.74	25.94
141	573.79	25.82
142	574.04	25.83
143	574.58	25.77
144	575.08	25.81
145	585.11	25.87
146	588.57	25.88
147	588.70	25.89
148	598.56	26.03
149	598.61	26.03
150	598.65	26.03
151	602.45	25.98
152	608.13	25.89
153	608.52	25.85
154	614.45	25.79
155	617.75	25.74
156	617.84	25.73
157	627.50	25.85
158	637.06	25.82
159	637.45	25.79
160	637.53	25.79
161	638.02	25.81
162	640.21	25.85
163	648.24	25.92
164	650.58	25.95
165	651.80	25.93
166	653.20	25.95
167	659.77	25.59
168	662.82	25.72
169	667.30	25.53
170	673.85	25.78
171	676.93	25.80
172	679.85	25.78
173	685.06	25.75
174	694.60	25.86
175	696.48	25.85

Order	Station [ft]	Elevation [ft]
176	698.00	25.87
177	707.90	25.82
178	717.72	26.04
179	718.77	26.06
180	719.29	26.05
181	726.56	25.63
182	730.50	25.84
183	740.80	26.03
184	740.91	26.03
185	741.75	26.02
186	748.68	25.58
187	753.54	25.84
188	759.80	25.87
189	765.32	25.79
190	770.46	25.64
191	777.11	25.89
192	778.69	25.91
193	778.71	25.91
194	789.35	25.79
195	792.06	25.62
196	795.84	25.75
197	799.23	25.45
198	801.66	25.73
199	804.55	25.75
200	812.64	25.83
201	813.49	25.82
202	814.05	25.83
203	825.19	25.71
204	833.34	25.84
205	836.88	25.83
206	842.33	25.86
207	848.58	25.76
208	852.63	25.78
209	860.27	25.71
210	871.50	25.90
211	871.88	25.91
212	871.94	25.91
213	872.01	25.91
214	883.05	25.77
215	893.40	25.71
216	894.16	25.69
217	894.96	25.70
218	905.27	25.57
219	914.92	25.74
220	915.49	25.74
221	916.62	25.76
222	916.80	25.77
223	916.99	25.76
224	930.75	25.80

Order	Station [ft]	Elevation [ft]
225	930.95	25.80
226	931.14	25.81
227	938.46	25.81
228	943.23	25.76
229	945.94	25.67
230	952.70	25.64
231	953.37	25.66
232	953.80	25.63
233	954.46	25.65
234	964.05	25.68
235	965.79	25.69
236	970.05	25.67
237	981.52	25.81
238	982.38	25.83
239	982.55	25.83
240	982.74	25.83
241	993.81	25.63
242	1003.63	25.71
243	1004.80	25.72
244	1004.91	25.72
245	1005.89	25.72
246	1014.97	25.74
247	1015.97	25.74
248	1016.30	25.74
249	1027.05	25.55
250	1031.29	25.60
251	1039.36	25.64
252	1045.22	25.71
253	1048.21	25.74
254	1051.96	25.72
255	1061.86	25.69
256	1062.93	25.70
257	1064.20	25.65
258	1071.60	25.87
259	1074.30	25.92
260	1074.46	25.92
261	1087.84	25.83
262	1088.57	25.82
263	1101.79	25.67
264	1102.91	25.66
265	1115.75	25.44
266	1117.25	25.44
267	1123.56	25.39
268	1129.70	25.64
269	1131.59	25.67
270	1143.66	25.91
271	1144.42	25.91
272	1144.94	25.89
273	1153.88	25.68

Order	Station [ft]	Elevation [ft]
274	1162.12	25.70
275	1163.89	25.72
276	1171.74	25.66
277	1173.90	25.65
278	1176.71	25.63
279	1183.94	25.64
280	1184.31	25.63
281	1184.51	25.64
282	1194.89	25.59
283	1200.66	25.62
284	1200.83	25.62
285	1205.28	25.61
286	1212.89	25.56
287	1215.42	25.50
288	1219.60	25.53
289	1224.26	25.57
290	1225.75	25.53
291	1226.43	25.56
292	1236.23	25.42
293	1241.63	25.59
294	1246.70	25.62
295	1249.36	25.60
296	1257.17	25.85
297	1257.73	25.84
298	1258.15	25.83
299	1266.12	25.42
300	1267.30	25.40
301	1268.89	25.40
302	1277.41	25.28
303	1280.76	25.35
304	1287.52	25.27
305	1292.63	25.49
306	1297.63	25.41
307	1304.50	25.51
308	1307.74	25.51
309	1316.37	25.43
310	1316.84	25.42
311	1317.84	25.40
312	1326.76	25.50
313	1327.84	25.50
314	1337.07	25.53
315	1337.85	25.52
316	1346.05	25.56
317	1347.37	25.56
318	1347.85	25.56
319	1357.47	25.67
320	1357.85	25.66
321	1367.58	25.70
322	1367.85	25.70

Order	Station [ft]	Elevation [ft]
323	1377.68	24.47
324	1377.85	24.46
325	1378.02	24.47
326	1387.85	25.53
327	1394.14	25.60
328	1397.82	25.64
329	1397.85	25.64
330	1397.87	25.64
331	1397.89	25.64
332	1399.16	25.66
333	1407.61	25.75
334	1407.86	25.76
335	1417.32	25.69
336	1417.86	25.71
337	1418.44	25.70
338	1427.87	25.59
339	1436.75	25.63
340	1437.87	25.63
341	1446.46	25.68
342	1447.88	25.68
343	1456.18	25.67
344	1457.88	25.72
345	1459.69	25.71
346	1467.88	25.76
347	1470.00	25.80
348	1476.19	25.78
349	1477.91	25.77
350	1481.08	25.71
351	1488.06	25.63
352	1493.00	25.53
353	1498.20	25.59
354	1501.67	25.49
355	1508.35	25.52
356	1510.33	25.39
357	1518.49	25.75
358	1519.00	25.77
359	1519.21	25.77
360	1521.03	25.81
361	1527.19	25.64
362	1528.82	25.69
363	1535.36	25.60
364	1539.17	25.66
365	1540.68	25.67
366	1548.27	25.69
367	1550.14	25.64
368	1550.80	25.59
369	1552.20	25.71
370	1561.21	25.69
371	1565.81	25.39

Order	Station [ft]	Elevation [ft]
372	1572.29	25.68
373	1573.32	25.61
374	1575.47	25.74
375	1580.82	25.54
376	1583.36	25.67
377	1588.32	25.50
378	1589.56	25.56
379	1595.00	25.84
380	1595.54	25.81
381	1596.29	25.87
382	1602.70	25.61
383	1607.35	25.74
384	1613.33	25.76
385	1617.02	25.63
386	1619.69	25.79
387	1630.38	25.89
388	1631.34	25.83
389	1632.04	25.86
390	1636.41	25.86
391	1641.46	25.77
392	1644.24	25.72
393	1645.73	25.64
394	1648.18	25.69
395	1653.01	25.38
396	1655.96	25.63
397	1660.28	25.59
398	1667.36	25.84
399	1667.56	25.82
400	1667.67	25.83
401	1674.83	25.54
402	1679.39	25.77
403	1682.11	25.73
404	1685.78	25.80
405	1690.33	25.78
406	1700.25	25.71
407	1700.33	25.71
408	1700.41	25.71
409	1703.88	25.72
410	1710.19	25.72
411	1710.33	25.72
412	1719.98	25.83
413	1720.34	25.81
414	1729.77	25.84
415	1730.34	25.84
416	1739.55	25.71
417	1740.34	25.79
418	1749.34	25.41
419	1750.34	25.32
420	1759.12	25.60

Order	Station [ft]	Elevation [ft]
421	1760.35	25.61
422	1764.26	25.59

Comment:

Weir Cross Section: OW-WETLAND 3-DS EAST

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	25.89
2	2.18	25.94
3	5.75	26.03
4	18.24	26.22
5	18.53	26.22
6	19.63	26.23
7	31.31	26.30
8	32.63	26.31
9	34.30	26.30
10	39.75	26.22
11	44.09	26.13
12	50.36	26.15
13	56.87	26.05
14	66.42	25.83
15	69.65	25.84
16	75.33	25.82
17	79.08	25.71
18	82.03	25.70
19	86.87	25.72
20	93.31	25.95
21	96.16	25.93
22	101.70	25.78
23	104.58	25.78
24	109.11	25.77
25	115.85	25.84
26	116.53	25.87
27	117.82	25.88
28	123.94	25.88
29	127.13	25.76
30	131.35	25.44
31	138.40	25.30
32	139.48	25.29
33	149.67	25.31
34	160.73	25.65
35	160.94	25.66

Order	Station [ft]	Elevation [ft]
36	161.01	25.66
37	161.14	25.67
38	172.22	26.27
39	175.84	26.29
40	182.80	26.14
41	183.26	26.11
42	183.49	26.10
43	184.24	26.09
44	194.76	25.60
45	195.28	25.63
46	197.96	25.77
47	200.92	25.83
48	209.74	25.62
49	212.13	25.46
50	214.23	25.45
51	219.22	25.60
52	224.90	25.70
53	227.54	25.72
54	233.39	25.69
55	240.05	25.85
56	240.48	25.86
57	240.85	25.89
58	247.56	26.18
59	254.15	26.06
60	254.65	26.04
61	255.21	26.04
62	267.46	25.78
63	270.37	25.76
64	280.77	25.72
65	282.99	25.74
66	285.52	25.77
67	285.89	25.77
68	292.88	25.88
69	297.64	25.88
70	304.23	26.07
71	306.49	26.02
72	312.40	25.78
73	315.59	25.71
74	326.17	25.83
75	326.94	25.82
76	327.17	25.82
77	327.60	25.81
78	338.29	25.47
79	341.94	25.32
80	348.71	25.40
81	349.32	25.42
82	349.65	25.41
83	350.74	25.46
84	361.00	25.81

Order	Station [ft]	Elevation [ft]
85	364.09	25.92
86	369.82	26.47
87	371.47	26.61
88	372.36	26.63
89	378.86	25.75
90	383.71	24.97
91	390.93	24.93
92	393.62	24.84
93	395.07	25.00
94	399.88	25.04
95	406.42	25.11
96	408.39	25.15
97	412.04	25.18
98	417.78	25.19
99	423.16	25.17
100	429.13	25.19
101	433.16	25.21
102	437.92	25.26
103	440.49	25.23
104	445.31	25.36
105	451.84	25.51
106	452.69	25.53
107	454.27	25.61
108	463.20	25.81
109	467.46	25.98
110	474.55	25.84
111	474.84	25.84
112	475.38	25.85
113	482.22	26.16
114	485.91	26.16
115	496.49	25.97
116	496.99	25.96
117	497.26	25.96
118	498.16	26.06
119	508.62	26.86
120	517.60	26.54
121	519.14	26.37
122	519.97	26.35
123	526.52	25.98
124	531.32	25.87
125	538.71	25.74
126	541.29	25.72
127	542.68	25.71
128	543.76	25.70
129	548.47	25.63
130	554.26	25.54
131	555.54	25.54
132	556.89	25.54
133	568.05	25.41

Order	Station [ft]	Elevation [ft]
134	569.69	25.42
135	571.41	25.47
136	576.76	25.58
137	581.85	25.68
138	583.83	25.67
139	585.92	25.67
140	595.65	25.90
141	600.43	26.11
142	609.45	26.64
143	612.13	26.69
144	614.94	26.73
145	619.20	26.58
146	623.25	26.40
147	629.46	26.28
148	637.05	26.13
149	640.42	25.99
150	643.97	25.99
151	647.49	26.03
152	650.84	26.17
153	654.57	26.17
154	658.48	25.85
155	661.64	25.60
156	664.64	25.51
157	668.71	25.61
158	673.00	25.56
159	675.79	25.51
160	678.44	25.54
161	682.86	25.58
162	687.51	25.48
163	689.93	25.52
164	692.24	25.64
165	697.01	25.88
166	702.02	25.82
167	706.04	25.72
168	711.15	25.62
169	714.43	25.62
170	715.94	25.66
171	718.76	25.53
172	726.35	26.01
173	726.84	26.05
174	728.53	26.26
175	736.76	27.02
176	742.99	26.74
177	747.17	26.03
178	751.06	25.61
179	757.58	24.92
180	764.52	25.56
181	767.21	25.85
182	767.99	26.01

Order	Station [ft]	Elevation [ft]
183	775.29	25.86
184	778.40	25.70
185	783.36	25.66
186	788.81	25.72
187	791.43	25.72
188	799.22	25.72
189	799.51	25.72
190	800.51	25.72
191	807.58	25.70
192	809.63	25.69
193	815.66	25.67
194	820.04	25.63
195	823.73	25.58
196	830.45	25.42
197	831.81	25.40
198	836.50	25.36
199	839.88	25.39
200	840.86	25.40
201	842.63	25.41
202	851.27	25.55
203	857.28	25.58
204	861.68	25.64
205	864.10	25.61
206	872.09	25.84
207	872.18	25.84
208	872.49	25.84
209	882.50	25.73
210	886.57	25.67
211	892.91	25.57
212	896.40	25.59
213	903.32	25.62
214	904.48	25.60
215	908.48	25.65
216	912.55	25.69
217	913.73	25.70
218	920.63	25.65
219	924.14	25.70
220	928.70	25.73
221	934.55	25.73
222	936.77	25.76
223	944.47	25.74
224	944.85	25.74
225	944.96	25.74
226	952.92	25.83
227	955.37	25.86
228	959.28	25.84
229	960.86	25.84
230	966.33	25.72
231	968.26	25.72

Order	Station [ft]	Elevation [ft]
232	971.91	25.71
233	977.64	25.69
234	983.07	25.63
235	988.94	25.64
236	990.47	25.64
237	993.38	25.65
238	997.87	25.67
239	1000.24	25.65
240	1005.28	25.58
241	1011.54	25.55
242	1012.68	25.56
243	1014.85	25.58
244	1020.08	25.57
245	1022.84	25.57
246	1027.49	25.57
247	1034.14	25.49
248	1034.89	25.47
249	1036.32	25.49
250	1042.29	25.50
251	1045.44	25.50
252	1049.70	25.40
253	1056.74	25.30
254	1057.10	25.30
255	1057.79	25.28
256	1068.04	25.38
257	1071.91	25.52
258	1079.26	25.58
259	1079.31	25.58
260	1079.34	25.58
261	1086.72	25.55
262	1090.64	25.47
263	1094.12	25.52
264	1100.72	25.59
265	1101.52	25.62
266	1101.94	25.62
267	1108.93	25.59
268	1113.25	25.67
269	1115.53	25.71
270	1116.69	25.73
271	1118.64	25.75
272	1127.38	25.64
273	1128.66	25.64
274	1138.06	25.80
275	1138.68	25.79
276	1147.87	25.85
277	1148.70	25.85
278	1148.75	25.85
279	1158.72	25.69
280	1159.44	25.68

Order	Station [ft]	Elevation [ft]
281	1168.74	25.55
282	1170.13	25.58
283	1178.76	25.79
284	1180.82	25.90
285	1188.77	25.90
286	1191.50	25.79
287	1198.79	25.77
288	1205.23	25.81
289	1208.81	25.82
290	1212.88	25.80
291	1214.68	25.81
292	1219.86	25.78
293	1224.39	25.77
294	1228.95	25.81
295	1232.37	25.85
296	1241.04	25.77
297	1244.87	25.75
298	1256.39	25.90
299	1257.38	25.91
300	1257.70	25.91
301	1269.88	25.80
302	1274.36	25.80
303	1282.38	25.73
304	1291.02	25.49
305	1294.89	25.45
306	1306.53	25.63
307	1307.39	25.65
308	1307.68	25.65
309	1319.89	25.73
310	1324.33	25.78
311	1332.40	25.83
312	1340.99	25.60
313	1344.90	25.47
314	1356.66	25.77
315	1357.40	25.79
316	1357.51	25.79
317	1357.65	25.79
318	1369.91	25.61
319	1374.31	25.63
320	1382.41	25.65
321	1390.97	25.57
322	1394.91	25.59
323	1406.80	25.66
324	1407.42	25.66
325	1407.62	25.66
326	1419.92	25.73
327	1424.28	25.74
328	1431.20	25.73
329	1433.87	25.72

Order	Station [ft]	Elevation [ft]
330	1437.49	25.72
331	1439.85	25.70
332	1448.24	25.66
333	1457.62	25.64
334	1458.99	25.63
335	1461.09	25.67
336	1469.74	25.77
337	1475.40	25.71
338	1480.50	25.62
339	1488.30	25.73
340	1491.25	25.76
341	1493.17	25.76
342	1502.00	25.69
343	1505.83	25.74
344	1512.75	25.85
345	1515.52	25.86
346	1523.50	25.81
347	1528.72	25.78
348	1534.26	25.69
349	1542.74	25.66
350	1545.01	25.66
351	1552.07	25.91
352	1555.76	25.89
353	1564.26	25.64
354	1566.51	25.57
355	1569.96	25.54
356	1577.26	25.59
357	1582.03	25.65
358	1588.02	25.71
359	1597.18	25.75
360	1598.77	25.73
361	1606.02	25.42
362	1609.52	25.35
363	1617.58	24.71
364	1620.27	24.59
365	1621.98	24.53
366	1622.87	24.47
367	1630.93	24.66
368	1632.88	24.68
369	1634.99	24.69
370	1642.88	25.61
371	1645.41	25.55
372	1652.89	25.60
373	1659.79	25.46
374	1662.90	25.60
375	1666.27	25.48
376	1672.91	25.33
377	1676.69	25.64
378	1682.92	25.84

Order	Station [ft]	Elevation [ft]
379	1687.12	26.20
380	1692.92	26.24
381	1697.55	26.09
382	1702.93	25.88
383	1707.97	25.58
384	1712.94	25.31
385	1718.40	25.09
386	1722.95	24.92
387	1728.82	24.74
388	1732.96	24.58
389	1736.77	24.44
390	1742.96	24.22
391	1746.39	24.25
392	1752.97	24.26
393	1760.10	24.55
394	1762.98	24.70
395	1770.53	24.99
396	1772.99	25.03
397	1775.26	25.06
398	1783.00	25.22
399	1791.38	25.33
400	1793.00	25.35
401	1801.81	25.85
402	1803.01	25.88
403	1804.12	26.00
404	1813.02	25.78
405	1813.74	25.77
406	1823.03	25.94
407	1831.77	25.80
408	1832.99	25.78
409	1833.04	25.78
410	1833.09	25.78
411	1838.41	25.54
412	1838.80	25.53
413	1844.75	25.43
414	1848.95	25.44
415	1853.43	25.43
416	1858.45	25.56
417	1863.10	25.78
418	1868.06	25.92
419	1872.15	26.01
420	1882.69	25.72
421	1884.33	25.66
422	1885.85	25.75
423	1891.40	25.90
424	1897.32	25.69
425	1898.47	25.69
426	1899.55	25.69
427	1905.55	25.87

Order	Station [ft]	Elevation [ft]
428	1911.95	25.20
429	1912.62	25.12
430	1913.26	25.23
431	1919.70	25.96
432	1926.58	25.34
433	1926.77	25.31
434	1926.96	25.33
435	1933.85	25.85
436	1940.66	25.40
437	1940.92	25.41
438	1941.21	25.39
439	1948.00	25.77
440	1954.36	25.45
441	1955.07	25.51
442	1955.84	25.43
443	1962.15	25.60
444	1968.06	25.77
445	1970.47	25.77
446	1981.76	25.38
447	1983.37	25.54
448	1985.10	25.38
449	1990.45	25.61
450	1995.46	25.33
451	1997.52	25.51
452	1999.73	25.35
453	2004.60	25.62
454	2009.16	25.51
455	2011.67	25.76
456	2014.36	25.47
457	2018.75	25.40
458	2022.86	25.62
459	2025.82	25.96
460	2028.98	25.63
461	2032.90	25.54
462	2036.56	25.74
463	2039.97	26.14
464	2043.61	25.82
465	2047.05	25.60
466	2050.26	26.28
467	2054.12	26.77
468	2058.24	26.54
469	2061.20	26.04
470	2063.96	26.39
471	2068.27	26.47
472	2072.87	26.08
473	2075.35	25.66
474	2077.66	25.93
475	2082.42	26.28
476	2087.50	25.94

Order	Station [ft]	Elevation [ft]
477	2089.50	25.65
478	2091.36	25.90
479	2102.13	25.98
480	2105.07	25.70
481	2110.72	25.50
482	2116.76	25.62
483	2117.80	25.57
484	2118.77	25.69
485	2124.87	25.79
486	2131.39	26.36
487	2132.47	26.44
488	2139.02	26.46
489	2146.02	26.39
490	2146.10	26.37
491	2146.17	26.39
492	2153.17	26.17
493	2159.87	26.02
494	2160.24	26.05
495	2160.65	26.04
496	2173.57	26.76
497	2174.39	26.82
498	2175.28	26.67
499	2187.27	26.57
500	2188.54	26.77
501	2189.91	26.76
502	2195.62	26.27
503	2200.97	27.14
504	2204.53	26.91
505	2209.77	25.50
506	2214.67	25.19
507	2219.16	25.11
508	2223.92	24.95
509	2228.37	25.14
510	2230.99	25.18
511	2233.79	25.43
512	2238.07	25.77
513	2242.07	26.48
514	2245.14	26.56
515	2248.42	26.21
516	2252.22	25.34
517	2255.77	26.25
518	2259.29	26.78
519	2263.05	26.98
520	2269.47	26.23
521	2277.68	25.81
522	2280.52	25.68
523	2283.17	25.61
524	2287.59	25.01
525	2292.31	25.07

Order	Station [ft]	Elevation [ft]
526	2294.67	25.01
527	2296.88	25.06
528	2301.74	24.98
529	2306.94	24.97
530	2308.82	24.95
531	2310.58	25.08
532	2315.89	25.25
533	2321.57	26.37
534	2324.28	26.56
535	2329.69	25.80
536	2330.08	25.73
537	2336.08	26.66
538	2343.53	26.74
539	2345.85	26.46
540	2346.64	26.52
541	2353.74	25.36
542	2357.20	25.73
543	2361.62	25.86
544	2367.76	25.62
545	2374.66	25.70
546	2378.32	25.57
547	2385.27	25.33
548	2388.88	25.40
549	2393.16	25.57
550	2399.44	25.61
551	2401.04	25.59
552	2401.94	25.61

Comment:

Weir Cross Section: OW-WETLAND 3-DS WEST

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	25.62
2	1.45	25.59
3	7.42	25.50
4	11.37	25.63
5	17.42	25.79
6	22.27	25.87
7	23.20	25.88
8	28.48	25.90
9	33.27	25.95
10	37.61	25.80

Order	Station [ft]	Elevation [ft]
11	40.53	25.81
12	51.20	25.56
13	52.58	25.56
14	59.23	25.75
15	64.63	25.96
16	69.12	26.00
17	73.64	25.99
18	76.16	25.99
19	76.60	25.99
20	81.66	26.12
21	86.81	25.99
22	90.12	25.88
23	97.02	26.08
24	98.59	25.99
25	106.17	26.80
26	107.23	26.86
27	115.51	26.32
28	117.44	26.30
29	120.38	26.56
30	126.78	26.25
31	127.65	26.20
32	132.51	26.33
33	137.83	26.41
34	145.60	26.45
35	148.00	26.44
36	158.12	26.28
37	158.17	26.28
38	158.42	26.29
39	166.78	26.54
40	168.35	26.60
41	170.63	26.73
42	178.52	26.79
43	183.92	26.95
44	188.69	26.82
45	195.67	26.98
46	198.87	26.95
47	208.19	27.41
48	209.04	27.46
49	212.73	27.74
50	219.22	28.10
51	220.71	28.09
52	224.17	28.05
53	229.49	27.94
54	234.77	27.04
55	239.86	26.81
56	242.90	26.63
57	250.23	26.56
58	251.04	26.52
59	253.98	26.49

Order	Station [ft]	Elevation [ft]
60	260.60	26.24
61	267.31	26.06
62	270.97	26.64
63	275.45	26.81
64	281.34	26.70
65	291.70	26.47
66	291.71	26.47
67	291.75	26.47
68	302.08	26.27
69	307.99	26.25
70	312.45	26.36
71	320.29	26.56
72	322.82	26.63
73	329.51	26.98
74	333.19	27.11
75	340.28	26.94
76	340.52	26.93
77	343.79	26.89
78	348.02	26.16
79	354.87	25.69
80	355.52	25.73
81	356.87	25.91
82	363.02	26.37
83	365.95	26.30
84	370.52	26.12
85	377.03	26.18
86	380.08	26.15
87	388.12	26.02
88	395.46	25.89
89	399.20	25.73
90	403.28	25.37
91	408.02	24.95
92	410.28	25.02
93	416.67	25.42
94	421.36	25.63
95	423.02	25.87
96	426.49	26.03
97	430.52	26.05
98	432.44	26.11
99	435.56	26.20
100	439.91	26.27
101	444.30	26.22
102	446.25	26.23
103	456.47	26.29
104	463.80	26.24
105	466.66	25.98
106	468.64	25.99
107	479.56	26.05
108	480.81	26.04

Order	Station [ft]	Elevation [ft]
109	481.36	26.02
110	492.97	25.98
111	498.91	26.28
112	502.59	26.11
113	505.14	26.09
114	509.78	25.75
115	511.90	25.92
116	515.72	26.21
117	517.97	26.23
118	530.39	26.31
119	531.64	26.34
120	545.06	27.20
121	545.31	27.19
122	548.77	27.01
123	558.98	26.40
124	559.73	26.38
125	572.65	26.27
126	574.40	26.30
127	586.31	25.76
128	589.07	25.77
129	599.98	26.46
130	603.74	26.51
131	613.65	26.73
132	618.40	26.80
133	627.32	26.93
134	633.07	27.12
135	640.98	27.58
136	647.74	27.70
137	654.65	27.44
138	658.40	27.18
139	662.41	26.74
140	668.32	26.25
141	672.55	26.46
142	677.08	26.57
143	681.99	26.73
144	688.96	26.54
145	691.55	26.47
146	696.19	26.18
147	705.14	26.04
148	710.95	26.17
149	718.74	26.30
150	725.71	26.43
151	732.33	26.23
152	740.47	26.15
153	745.93	26.43
154	755.24	26.36
155	759.52	26.08
156	765.21	25.98
157	768.46	25.89

Order	Station [ft]	Elevation [ft]
158	772.37	25.91
159	778.46	26.00
160	782.01	26.17
161	788.47	26.31
162	791.65	26.39
163	798.48	26.57
164	805.85	26.45
165	808.49	26.47
166	810.92	26.35
167	818.49	26.29
168	826.66	26.23
169	828.50	26.20
170	830.20	26.15
171	838.51	26.68
172	847.47	27.07
173	848.51	27.13
174	857.88	26.67
175	858.52	26.66
176	859.12	26.67
177	868.53	26.56
178	868.76	26.56
179	874.66	26.66
180	878.54	26.71
181	878.69	26.72
182	888.54	26.71
183	897.67	26.39
184	898.55	26.35
185	907.31	26.54
186	908.56	26.52
187	916.95	26.33
188	918.57	26.33
189	926.59	26.00
190	928.57	25.96
191	936.22	25.73
192	938.58	25.56
193	939.76	25.54
194	944.78	25.41
195	949.04	25.47
196	952.71	25.47
197	959.56	25.57
198	960.64	25.56
199	963.97	25.55
200	968.57	25.51
201	970.08	25.56
202	976.51	25.65
203	980.60	25.63
204	984.44	25.89
205	991.11	26.40
206	992.37	26.54

Order	Station [ft]	Elevation [ft]
207	996.21	26.96
208	1000.30	27.34
209	1001.63	27.46
210	1004.26	27.60
211	1012.15	27.93
212	1019.87	28.29
213	1022.67	28.31
214	1024.09	28.28
215	1026.41	28.39
216	1032.87	28.51
217	1033.00	28.51
218	1034.62	28.42
219	1042.31	27.84
220	1042.90	27.85
221	1051.62	27.25
222	1052.93	27.22
223	1060.93	27.10
224	1062.96	26.92
225	1065.34	26.92
226	1072.99	26.78
227	1079.55	26.55
228	1083.02	26.73
229	1088.86	27.24
230	1093.05	27.22
231	1098.17	26.82
232	1103.08	27.34
233	1107.48	27.62
234	1113.11	27.97
235	1116.79	28.19
236	1123.14	28.27
237	1126.10	28.24
238	1133.17	28.17
239	1135.42	28.09
240	1135.46	28.09
241	1143.24	27.97
242	1146.93	27.96
243	1153.32	27.85
244	1158.46	27.42
245	1163.40	27.27
246	1169.99	26.62
247	1173.48	26.43
248	1181.52	26.46
249	1183.56	26.36
250	1193.05	26.62
251	1193.63	26.64
252	1197.70	26.43
253	1203.71	26.19
254	1204.58	26.20
255	1213.79	25.79

Order	Station [ft]	Elevation [ft]
256	1216.11	25.90
257	1223.87	25.83
258	1227.63	25.67
259	1233.95	25.79
260	1239.16	25.63
261	1244.03	25.72
262	1250.69	25.92
263	1254.11	25.99
264	1262.22	25.65
265	1264.19	25.57
266	1273.75	25.61
267	1274.26	25.61
268	1277.84	25.62
269	1284.34	25.65
270	1285.28	25.65
271	1294.42	25.65
272	1301.52	25.48
273	1304.50	25.44
274	1308.34	25.45
275	1314.58	25.64
276	1319.86	25.86
277	1324.66	25.99
278	1331.39	25.93
279	1334.74	25.83
280	1342.92	25.59
281	1344.82	25.59
282	1354.45	25.57
283	1354.89	25.58
284	1357.98	25.57
285	1364.19	25.57
286	1364.33	25.57
287	1367.17	25.66
288	1372.54	25.83
289	1373.78	25.91
290	1375.76	25.88
291	1384.04	25.81
292	1389.08	25.70
293	1394.30	25.65
294	1402.40	25.51
295	1404.56	25.48
296	1411.81	25.51
297	1414.26	25.51
298	1414.82	25.50
299	1422.60	26.28
300	1425.08	26.33
301	1430.95	26.19
302	1435.35	26.50
303	1439.29	26.36
304	1445.61	25.97

Order	Station [ft]	Elevation [ft]
305	1455.69	25.42
306	1455.87	25.41
307	1456.46	25.41
308	1466.13	25.47
309	1469.01	25.65
310	1476.39	25.82
311	1482.33	25.86
312	1486.65	25.94
313	1495.66	25.95
314	1496.91	25.99
315	1497.69	25.98
316	1501.11	26.03
317	1506.99	26.09
318	1507.18	26.08
319	1511.15	26.16
320	1516.07	26.22
321	1517.72	26.25
322	1523.98	25.78
323	1528.26	25.74
324	1531.89	25.49
325	1538.80	25.43
326	1542.78	25.46
327	1549.34	25.39
328	1551.27	25.38
329	1556.99	25.38
330	1559.44	25.39
331	1567.43	25.61
332	1569.45	25.61
333	1571.31	25.66
334	1579.46	25.70
335	1588.31	25.70
336	1589.47	25.72
337	1598.75	26.18
338	1599.48	26.20
339	1600.15	26.18
340	1609.49	25.97
341	1616.49	25.93
342	1619.38	25.91
343	1619.49	25.91
344	1619.62	25.92
345	1629.50	25.47
346	1638.60	25.73
347	1639.51	25.79
348	1648.21	26.30
349	1649.52	26.26
350	1657.83	26.19
351	1659.53	26.11
352	1661.38	25.98
353	1669.54	25.57

Order	Station [ft]	Elevation [ft]
354	1677.05	25.98
355	1679.55	25.72
356	1686.66	25.67
357	1689.55	25.91
358	1696.28	25.83
359	1699.56	25.77
360	1703.13	26.03
361	1709.57	25.94
362	1713.57	26.07
363	1719.58	26.17
364	1725.12	26.16
365	1729.59	26.38
366	1734.73	26.62
367	1739.60	26.64
368	1744.88	26.55
369	1749.60	26.55
370	1750.55	26.54
371	1754.96	26.48
372	1759.61	26.49
373	1764.60	26.57
374	1769.62	26.69
375	1774.24	26.26
376	1779.63	26.14
377	1785.44	26.20
378	1789.63	25.93
379	1793.52	26.12
380	1799.64	26.26
381	1806.24	25.89
382	1809.65	25.83
383	1816.65	26.23
384	1819.66	26.59
385	1827.05	26.75
386	1829.66	26.47
387	1837.45	26.58
388	1839.67	26.76
389	1847.85	26.59
390	1849.68	26.53
391	1851.37	26.52
392	1859.68	26.75
393	1861.65	26.79
394	1867.77	26.98
395	1869.50	26.96
396	1869.87	26.98
397	1870.46	26.98
398	1880.11	26.87
399	1886.31	26.76
400	1890.34	26.69
401	1894.71	26.28
402	1900.58	26.28

Order	Station [ft]	Elevation [ft]
403	1909.70	26.28
404	1910.81	26.23
405	1911.52	26.23
406	1914.81	26.39
407	1921.04	26.45
408	1922.78	26.47
409	1931.28	26.56
410	1935.86	26.60
411	1940.32	26.64
412	1941.50	26.68
413	1947.12	26.75
414	1951.60	26.82
415	1958.96	26.80
416	1961.71	26.79
417	1963.76	26.79
418	1971.82	26.78
419	1977.74	26.78
420	1981.92	26.72
421	1982.64	26.74
422	1992.03	26.19
423	1994.18	26.33
424	1994.45	26.34
425	2002.06	26.48
426	2009.10	26.65
427	2012.07	26.68
428	2018.73	26.75
429	2022.07	26.80
430	2028.36	26.95
431	2032.08	26.79
432	2037.98	26.68
433	2042.09	26.71
434	2046.53	26.33
435	2052.10	26.27
436	2057.24	25.61
437	2062.10	24.97
438	2067.36	25.51
439	2072.11	26.05
440	2076.50	26.04
441	2082.12	26.77
442	2088.19	26.67
443	2092.13	26.92
444	2098.61	27.40
445	2102.14	27.60
446	2105.39	27.63
447	2107.90	27.77
448	2112.17	27.97
449	2116.27	27.95
450	2122.23	27.26
451	2127.58	27.70

Order	Station [ft]	Elevation [ft]
452	2132.29	27.29
453	2136.06	27.39
454	2142.35	27.29
455	2145.12	27.35
456	2152.41	27.21
457	2154.18	27.22
458	2162.47	27.04
459	2163.24	27.07
460	2170.23	27.71
461	2172.30	27.86
462	2172.53	27.85
463	2172.82	27.84
464	2182.59	27.42
465	2190.42	27.28
466	2192.65	27.30
467	2195.44	27.33
468	2202.71	27.04
469	2206.75	26.77
470	2212.77	26.37
471	2217.60	25.87
472	2222.83	25.58
473	2224.56	25.48
474	2226.97	25.33
475	2232.85	25.16
476	2238.32	25.13
477	2242.86	26.19
478	2247.73	26.20
479	2252.86	26.39
480	2258.11	26.50
481	2262.87	26.42
482	2268.49	26.50
483	2272.88	26.42
484	2278.87	26.74
485	2282.88	26.83
486	2289.25	27.09
487	2292.89	27.21
488	2299.63	27.11
489	2301.70	27.19
490	2302.92	27.19
491	2308.47	27.08
492	2313.14	27.02
493	2316.92	26.59
494	2323.35	27.09
495	2331.63	28.33
496	2332.86	28.52
497	2333.53	28.56
498	2343.06	27.04
499	2343.53	26.99
500	2353.25	26.26

Order	Station [ft]	Elevation [ft]
501	2353.53	26.25
502	2353.80	26.24
503	2363.53	25.78
504	2363.62	25.78
505	2367.99	25.76
506	2373.43	25.72
507	2373.54	25.73
508	2380.66	25.67
509	2382.64	25.62
510	2383.84	25.62
511	2390.17	24.90
512	2394.87	25.32
513	2397.69	25.32
514	2403.72	25.37
515	2405.21	25.27
516	2405.91	25.34
517	2412.74	24.66
518	2416.95	25.16
519	2420.26	25.56
520	2427.36	25.39
521	2427.78	25.34
522	2427.98	25.37
523	2428.53	25.34
524	2439.02	24.81
525	2449.24	25.97
526	2450.06	26.01
527	2450.35	26.03
528	2450.99	26.08
529	2457.88	25.72
530	2461.09	25.95
531	2465.40	25.76
532	2472.13	26.06
533	2472.92	26.09
534	2474.62	26.16
535	2480.45	25.95
536	2483.17	25.84
537	2483.60	25.82
538	2489.03	25.82
539	2493.23	25.95
540	2498.38	26.11
541	2503.26	26.34
542	2507.73	26.61
543	2513.29	26.78
544	2517.08	26.43
545	2523.31	26.09
546	2530.52	26.01
547	2533.34	25.85
548	2535.77	25.64
549	2543.36	25.21

Order	Station [ft]	Elevation [ft]
550	2545.12	25.40
551	2553.39	26.27
552	2554.47	26.35
553	2563.42	26.65
554	2563.82	26.65
555	2569.38	26.74
556	2573.17	26.77
557	2573.44	26.76
558	2573.76	26.76
559	2583.47	26.34
560	2584.57	26.32
561	2593.49	26.36
562	2601.21	26.76
563	2603.52	26.79
564	2610.56	26.72
565	2613.55	26.75
566	2617.00	26.96
567	2623.57	26.81
568	2629.26	26.49
569	2633.60	26.22
570	2638.62	26.15
571	2643.63	26.25
572	2647.96	26.45
573	2653.65	26.53
574	2660.24	26.13
575	2663.68	25.97
576	2666.66	25.91
577	2673.70	25.81
578	2681.86	25.71
579	2683.73	25.70
580	2687.82	25.69
581	2689.83	25.55
582	2693.03	25.62
583	2696.32	25.86
584	2700.10	26.00
585	2703.77	25.96
586	2710.67	26.06
587	2717.71	26.10
588	2725.02	25.79
589	2728.39	25.73
590	2731.66	25.69
591	2739.37	25.76
592	2742.53	25.84
593	2745.60	25.98
594	2753.72	26.36
595	2756.67	26.49
596	2759.54	26.54
597	2763.74	26.57
598	2768.07	27.33

Order	Station [ft]	Elevation [ft]
599	2773.48	27.75
600	2777.89	27.37
601	2782.42	27.51
602	2787.42	27.07
603	2791.05	26.46
604	2792.04	26.29
605	2797.51	26.83
606	2800.45	26.89
607	2806.28	26.92
608	2813.16	26.84
609	2813.41	26.81
610	2813.72	26.80
611	2820.53	26.84
612	2825.87	26.64
613	2829.92	26.49
614	2838.58	26.44
615	2841.90	26.54
616	2846.13	26.43
617	2851.29	26.39
618	2862.33	26.10
619	2864.00	26.02
620	2870.04	26.21
621	2876.70	26.42
622	2878.54	26.52
623	2889.41	27.96
624	2894.74	28.88
625	2898.88	29.70
626	2902.12	30.40
627	2910.95	31.65
628	2912.58	31.73
629	2914.67	31.81
630	2920.39	31.53
631	2926.45	30.70
632	2927.65	30.55
633	2929.57	30.01
634	2938.24	27.45
635	2948.47	26.35
636	2949.43	26.29
637	2950.02	26.33
638	2952.61	26.29
639	2961.81	26.13
640	2967.36	26.07
641	2973.59	25.97
642	2983.93	26.10
643	2985.38	26.11
644	2986.26	26.11
645	2992.98	26.00
646	2997.17	25.91
647	3005.15	25.87

Order	Station [ft]	Elevation [ft]
648	3007.49	25.83
649	3008.95	25.88
650	3014.75	26.10
651	3020.70	26.33
652	3020.74	26.33
653	3024.33	26.44
654	3032.20	26.59
655	3036.72	26.12
656	3043.66	25.03
657	3044.07	25.02
658	3044.81	25.01
659	3051.42	24.95
660	3055.11	24.87
661	3058.76	24.84
662	3065.29	24.79
663	3066.11	24.78
664	3066.57	24.78
665	3073.46	24.72
666	3078.03	24.69
667	3080.81	24.69
668	3085.77	24.73
669	3089.49	24.77
670	3095.50	24.84
671	3100.95	24.86
672	3102.85	24.86
673	3106.24	24.85
674	3110.20	24.85
675	3112.41	24.84
676	3117.55	24.84
677	3123.87	24.85
678	3124.89	24.85
679	3126.72	24.86
680	3132.24	24.89
681	3135.33	24.91
682	3139.59	24.93
683	3146.79	24.97
684	3146.94	24.97
685	3147.20	24.98
686	3158.25	25.23
687	3161.63	25.33
688	3167.68	25.51
689	3168.98	25.55
690	3169.70	25.56
691	3176.33	25.74
692	3181.16	25.88
693	3183.67	25.93
694	3188.16	25.85
695	3192.62	25.75
696	3195.89	25.73

Order	Station [ft]	Elevation [ft]
697	3204.26	25.58
698	3205.36	25.57
699	3206.59	25.57
700	3217.70	25.62
701	3219.52	25.62
702	3221.56	25.63
703	3231.13	25.67
704	3233.69	25.68
705	3236.53	25.69
706	3244.57	25.72
707	3247.85	25.74
708	3251.50	25.76
709	3258.01	25.73
710	3262.01	25.74
711	3266.47	25.66
712	3271.45	25.61
713	3276.17	25.59
714	3281.44	25.62
715	3283.26	25.60
716	3284.88	25.63
717	3296.41	25.75
718	3297.42	25.75
719	3298.32	25.75
720	3304.50	25.73
721	3311.38	25.70
722	3311.58	25.70
723	3311.76	25.70
724	3318.66	25.67
725	3325.20	25.65
726	3325.74	25.64
727	3326.35	25.64
728	3332.83	25.61
729	3338.64	25.53
730	3339.91	25.51
731	3341.32	25.53
732	3346.99	25.61
733	3350.72	25.53
734	3353.08	25.49
735	3354.27	25.47
736	3354.84	25.46
737	3356.41	25.55
738	3365.89	25.95
739	3369.30	25.97
740	3376.50	26.02
741	3376.95	26.02
742	3377.35	26.03
743	3388.01	26.13
744	3398.30	26.62
745	3399.07	26.65

Order	Station [ft]	Elevation [ft]
746	3399.93	26.73
747	3410.13	27.67
748	3419.24	27.57
749	3421.19	27.53
750	3423.36	27.85
751	3432.24	29.25
752	3440.19	30.13
753	3443.30	30.55
754	3444.42	30.34
755	3446.78	29.56
756	3451.93	27.68
757	3454.36	26.92
758	3459.44	25.72
759	3465.42	25.32
760	3466.95	25.36
761	3470.21	25.49
762	3474.47	25.64
763	3476.48	25.70
764	3481.98	25.91
765	3487.53	26.37
766	3493.64	26.29
767	3497.00	26.21
768	3498.59	26.32
769	3504.52	26.33
770	3509.65	26.21
771	3517.07	25.95
772	3519.54	25.72
773	3520.71	25.78
774	3527.05	25.96
775	3531.77	26.37
776	3534.56	26.49
777	3540.49	26.64
778	3542.08	26.53
779	3542.82	26.58
780	3544.91	26.71
781	3553.49	26.62
782	3553.95	26.62
783	3556.90	26.72
784	3560.39	26.99
785	3564.00	26.75
786	3567.04	27.22
787	3575.90	27.17
788	3578.19	26.77
789	3580.13	26.90
790	3591.40	26.97
791	3593.21	26.98
792	3603.01	27.16
793	3606.30	27.19
794	3606.90	27.26

Order	Station [ft]	Elevation [ft]
795	3613.67	27.48
796	3619.38	27.67
797	3620.77	27.42
798	3622.41	27.44
799	3627.86	26.96
800	3632.47	27.30
801	3637.91	27.14
802	3642.06	26.93
803	3645.55	27.21
804	3653.42	27.58
805	3656.25	27.49
806	3658.64	27.65
807	3668.92	27.53
808	3670.44	27.39
809	3671.72	27.61
810	3677.54	27.71
811	3684.43	27.85
812	3684.81	27.82
813	3691.73	26.81
814	3697.89	26.90
815	3698.83	26.93
816	3699.93	26.93
817	3705.92	27.06
818	3710.98	26.89
819	3715.44	26.79
820	3724.07	26.61
821	3727.21	26.60
822	3730.94	26.49
823	3737.15	26.46
824	3746.44	26.57
825	3750.24	26.56
826	3755.60	26.33
827	3761.95	26.88
828	3763.32	26.91
829	3770.75	27.15
830	3776.41	27.31
831	3777.45	27.31
832	3789.49	27.52
833	3792.96	27.20
834	3802.58	26.64
835	3805.27	26.90
836	3808.46	26.95
837	3815.66	26.87
838	3819.46	26.86
839	3823.97	27.12
840	3826.56	27.04
841	3828.75	27.14
842	3833.05	27.05
843	3833.66	27.04

Order	Station [ft]	Elevation [ft]
844	3838.55	27.49
845	3843.26	27.80
846	3847.83	27.69
847	3851.82	27.26
848	3854.92	26.62
849	3858.46	27.05
850	3862.01	27.01
851	3865.10	27.21
852	3869.09	26.95
853	3873.67	27.07
854	3878.37	27.13
855	3888.87	26.93
856	3891.65	26.86
857	3897.44	26.43
858	3904.08	26.86
859	3904.92	26.83
860	3911.62	26.56
861	3918.20	26.84
862	3919.28	26.91
863	3925.79	27.15
864	3931.47	27.11
865	3934.49	26.71
866	3939.97	25.88
867	3944.75	26.53
868	3949.69	26.79
869	3954.14	26.70
870	3958.02	26.80
871	3961.23	26.46
872	3962.36	26.46
873	3964.28	26.53
874	3975.36	25.98
875	3975.76	25.96
876	3975.87	25.95
877	3976.06	25.95
878	3983.21	25.78
879	3987.24	25.53
880	3996.42	24.93
881	3997.89	24.84
882	3998.72	24.84
883	4005.23	24.82
884	4010.20	25.02
885	4012.57	25.12
886	4016.78	25.35
887	4021.68	25.61
888	4027.25	25.90
889	4033.16	26.22
890	4037.14	26.21
891	4041.94	26.08
892	4044.64	26.02

Order	Station [ft]	Elevation [ft]
893	4049.28	25.71
894	4056.12	25.37
895	4057.50	25.38
896	4063.96	25.48
897	4067.60	25.51
898	4071.30	25.57
899	4077.86	25.54
900	4078.64	25.54
901	4079.08	25.55
902	4085.98	25.60
903	4090.56	25.45
904	4093.32	25.41
905	4098.22	25.34
906	4102.04	25.33
907	4108.00	25.45
908	4113.52	25.56
909	4115.34	25.54
910	4118.57	25.52
911	4125.00	25.51
912	4130.03	25.53
913	4136.48	25.39
914	4137.37	25.39
915	4138.93	25.37
916	4144.71	25.37
917	4147.96	25.40
918	4152.05	25.39
919	4159.29	24.72
920	4159.39	24.71
921	4159.44	24.71
922	4159.64	24.74
923	4170.93	26.30
924	4174.07	25.96
925	4179.65	26.20
926	4181.41	26.18
927	4182.41	26.19
928	4185.97	26.13
929	4193.89	25.92
930	4200.01	25.73
931	4203.43	25.48
932	4205.37	25.52
933	4210.78	25.61
934	4216.85	25.41
935	4218.12	25.42
936	4220.37	25.28
937	4222.32	25.25
938	4232.53	25.58
939	4232.54	25.58
940	4232.54	25.58
941	4243.84	25.79

Order	Station [ft]	Elevation [ft]
942	4247.34	25.79
943	4254.00	25.64
944	4254.75	25.61
945	4255.14	25.61
946	4256.41	25.59
947	4266.44	25.22
948	4275.46	25.42
949	4276.96	25.45
950	4277.74	25.41
951	4284.36	25.23
952	4289.05	25.37
953	4296.92	25.84
954	4300.35	26.03
955	4302.91	25.99
956	4308.18	25.91
957	4310.66	25.89
958	4318.86	25.49
959	4320.68	25.43
960	4329.53	25.49
961	4330.70	25.48
962	4340.20	25.76
963	4340.71	25.78
964	4341.17	25.78
965	4348.57	25.85
966	4350.61	25.87
967	4350.73	25.87
968	4360.05	26.00
969	4360.75	25.96
970	4361.55	25.97
971	4370.77	26.15
972	4372.22	26.22
973	4375.00	26.35
974	4380.81	26.69
975	4390.84	26.77
976	4390.86	26.77
977	4390.87	26.77
978	4391.00	26.76
979	4400.00	26.24
980	4400.91	26.24
981	4402.03	26.13
982	4410.96	25.43
983	4413.22	25.24
984	4421.01	24.75
985	4424.41	25.14
986	4429.72	25.59

Comment:

Weir Cross Section: OW-WETLAND 3-WETLAND 4

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	25.62
2	6.00	25.67
3	7.71	25.64
4	16.07	25.40
5	16.73	25.41
6	22.43	25.40
7	25.75	25.39
8	26.14	25.39
9	26.62	25.38
10	36.20	25.58
11	36.60	25.59
12	47.11	25.39
13	49.18	25.32
14	49.36	25.32
15	49.56	25.32
16	56.45	25.01
17	62.28	25.05
18	65.04	25.05
19	70.64	25.02
20	75.38	24.95
21	77.74	24.95
22	80.52	24.92
23	84.83	24.90
24	88.48	24.87
25	91.93	24.77
26	96.00	24.84
27	99.02	24.84
28	101.58	24.83
29	106.12	24.77
30	111.48	24.88
31	113.22	24.89
32	114.68	24.89
33	120.31	24.78
34	126.96	24.72
35	127.79	24.71
36	134.50	24.76
37	140.89	24.86
38	142.44	24.87
39	148.69	24.80
40	153.99	24.95
41	155.79	24.96
42	157.92	24.93
43	162.88	24.81
44	167.09	24.76

Order	Station [ft]	Elevation [ft]
45	173.40	24.83
46	177.07	25.00
47	180.19	24.89
48	184.17	24.88
49	188.88	25.06
50	191.27	25.13
51	193.29	25.09
52	198.36	24.92
53	204.36	24.97
54	206.39	24.97
55	217.57	24.88
56	219.49	24.87
57	219.65	24.86
58	219.84	24.87
59	232.59	25.25
60	233.84	25.30
61	235.32	25.37
62	240.93	25.60
63	245.69	25.72
64	248.03	25.78
65	250.80	25.84
66	252.90	25.89

Comment:

Weir Cross Section: OW-WETLAND 4-DS EAST

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	25.09
2	1.85	25.17
3	7.16	25.06
4	11.87	24.87
5	15.97	25.11
6	21.89	25.49
7	28.69	25.27
8	31.92	25.40
9	39.46	25.56
10	41.94	25.50
11	44.10	25.42
12	51.97	24.99
13	53.48	25.00
14	61.99	25.16
15	71.76	25.45

Order	Station [ft]	Elevation [ft]
16	72.01	25.47
17	75.42	25.61
18	82.04	25.85
19	90.99	25.98
20	92.06	25.98
21	93.29	25.98
22	96.65	25.86
23	102.20	25.79
24	102.26	25.79
25	102.27	25.79
26	110.40	25.29
27	112.64	25.12
28	116.55	25.26
29	123.00	25.06
30	126.68	25.11
31	133.37	25.64
32	134.57	25.60
33	136.17	25.67
34	142.43	25.12
35	147.05	24.95
36	150.04	24.73
37	157.03	24.93
38	157.66	24.93
39	157.93	24.95
40	165.28	25.85
41	168.81	26.05
42	172.89	26.01
43	179.69	26.19
44	182.43	26.26
45	185.24	26.16
46	190.14	26.25
47	199.03	25.42
48	200.14	25.43
49	209.03	24.64
50	210.14	24.61
51	219.03	24.66
52	220.14	24.65
53	221.24	24.65
54	230.14	24.52
55	239.03	24.96
56	240.14	24.95
57	249.03	25.45
58	250.14	25.44
59	259.03	25.25
60	260.14	25.24
61	269.03	24.80
62	270.14	24.79
63	279.03	25.24
64	280.14	25.24

Order	Station [ft]	Elevation [ft]
65	289.03	25.15
66	290.14	25.14
67	295.05	24.97
68	299.52	24.85
69	300.16	24.84
70	300.68	24.85
71	305.62	24.65
72	309.78	24.45
73	310.22	24.43
74	310.76	24.43
75	320.27	24.37
76	322.00	24.36
77	330.33	24.55
78	333.23	24.57
79	340.38	24.22
80	346.17	24.32
81	350.44	24.59
82	355.27	24.73
83	358.63	24.75
84	361.02	24.73
85	363.89	24.53
86	367.44	24.57
87	371.00	24.50
88	373.88	24.52
89	378.11	24.51
90	383.34	24.59
91	386.74	24.53
92	399.25	24.59
93	399.44	24.60
94	399.60	24.59
95	401.11	24.71
96	412.46	25.45
97	413.66	25.47
98	415.15	25.67
99	420.77	25.58
100	425.33	25.52
101	427.88	25.09
102	431.05	25.76
103	438.19	26.34
104	442.10	25.86
105	446.95	26.21
106	448.51	26.18
107	451.89	26.06
108	459.61	25.29
109	463.55	24.66
110	469.03	24.31
111	470.72	24.28
112	471.93	24.30
113	479.32	24.47

Order	Station [ft]	Elevation [ft]
114	484.24	24.60
115	485.05	24.63
116	486.17	24.61
117	492.21	24.46
118	496.56	24.58
119	499.38	24.68
120	503.31	24.56
121	506.54	24.44
122	508.87	24.46
123	520.44	24.45
124	521.18	24.45
125	523.07	24.44
126	533.50	24.55
127	537.58	24.46
128	545.81	24.62
129	549.53	24.74
130	554.72	24.75
131	556.70	24.76
132	558.12	24.73
133	563.87	24.64
134	570.44	24.11
135	571.03	24.10
136	571.86	24.18
137	578.20	24.67
138	582.75	25.24
139	585.36	25.41
140	588.99	25.48
141	592.53	25.62
142	595.06	25.64
143	599.69	25.35
144	606.13	25.07
145	607.38	25.00
146	608.18	24.97
147	614.32	24.71
148	618.48	24.64
149	621.86	24.70
150	629.18	24.84
151	629.39	24.83
152	629.49	24.85
153	629.77	24.85
154	640.51	25.08
155	644.46	25.20
156	651.52	24.98
157	653.02	24.98
158	662.54	24.76
159	670.71	25.07
160	673.55	25.06
161	676.87	25.10
162	682.14	24.96

Order	Station [ft]	Elevation [ft]
163	684.57	24.95
164	689.67	24.72
165	695.59	24.51
166	700.72	24.75
167	704.74	24.92
168	706.60	25.01
169	712.28	25.14
170	717.62	25.08
171	724.56	24.86
172	727.35	24.76
173	728.63	24.71
174	734.88	24.50
175	739.65	24.40
176	742.42	24.32
177	748.41	24.12
178	750.66	24.06
179	751.02	24.05
180	752.40	24.01
181	761.44	23.89
182	765.31	23.85
183	772.21	23.73
184	773.01	23.67
185	774.98	23.65
186	780.70	23.81
187	782.98	23.97
188	788.39	24.26
189	793.76	24.26
190	796.08	24.28
191	801.89	24.27
192	803.77	24.24
193	804.53	24.26
194	811.47	24.14
195	815.30	24.21
196	824.25	23.94
197	826.07	23.97
198	826.85	23.97
199	828.80	23.90
200	834.54	24.04
201	836.84	23.99
202	842.21	23.65
203	847.61	23.72
204	855.71	23.94
205	858.38	24.05
206	865.31	24.61
207	869.16	24.86
208	878.14	26.26
209	879.93	26.42
210	880.70	26.40
211	882.61	26.32

Order	Station [ft]	Elevation [ft]
212	888.39	25.51
213	890.70	25.72
214	894.28	25.44
215	896.11	25.39
216	900.29	25.44
217	903.94	25.11
218	910.91	25.42
219	911.76	25.41
220	914.15	25.66
221	919.59	25.88
222	921.53	25.83
223	925.63	25.86
224	932.15	25.38
225	942.13	25.13
226	942.76	25.12
227	943.74	25.11
228	943.89	25.10
229	953.48	24.95
230	959.58	25.08
231	964.21	25.23
232	966.25	25.28
233	971.50	25.40
234	973.98	25.46
235	974.94	25.48
236	978.29	25.55
237	982.90	25.55
238	985.83	25.55
239	993.32	25.68
240	995.84	25.68
241	998.17	25.84
242	1005.85	26.27
243	1007.79	26.32
244	1015.86	26.19
245	1017.41	26.12
246	1025.87	25.83
247	1035.02	25.83
248	1035.87	25.83
249	1045.45	25.68
250	1045.88	25.67
251	1046.28	25.67
252	1055.89	25.73
253	1056.29	25.72
254	1065.53	25.51
255	1065.90	25.50
256	1066.30	25.49
257	1072.91	25.32
258	1075.91	25.26
259	1076.37	25.26
260	1083.96	25.08

Order	Station [ft]	Elevation [ft]
261	1085.81	25.04
262	1085.93	25.03
263	1095.26	25.06
264	1095.94	25.06
265	1104.71	24.98
266	1105.96	24.96
267	1114.16	25.10
268	1115.98	25.12
269	1118.04	25.27
270	1126.00	25.55
271	1133.06	25.88
272	1136.02	25.85
273	1142.51	25.91
274	1146.04	25.89
275	1151.95	25.87
276	1156.05	25.88
277	1161.40	25.83
278	1166.07	25.98
279	1171.34	25.84
280	1176.09	25.81
281	1182.00	25.62
282	1186.11	25.54
283	1189.75	25.47
284	1196.13	25.37
285	1203.32	25.69
286	1206.14	25.92
287	1213.98	26.03
288	1216.16	26.05
289	1224.64	26.16
290	1226.18	25.98
291	1227.54	25.83
292	1236.20	25.40
293	1236.99	25.40
294	1244.33	24.98
295	1244.74	25.00
296	1245.96	25.00
297	1248.03	25.19
298	1256.36	25.81
299	1267.65	25.80
300	1267.86	25.80
301	1267.98	25.81
302	1268.45	25.82
303	1279.60	26.01
304	1282.46	26.10
305	1287.28	26.17
306	1291.22	26.20
307	1297.06	26.25
308	1302.84	26.30
309	1306.91	26.38

Order	Station [ft]	Elevation [ft]
310	1309.07	26.43
311	1312.18	26.53
312	1313.77	26.54
313	1320.94	26.63
314	1323.88	26.64
315	1327.89	26.74
316	1334.00	26.83
317	1338.48	26.81
318	1344.12	26.94
319	1347.25	26.94
320	1354.24	26.94
321	1356.02	26.72
322	1364.35	26.17
323	1367.63	25.78
324	1373.56	25.07
325	1374.47	25.02
326	1375.71	24.99
327	1384.59	25.83
328	1390.48	25.82
329	1391.12	25.80
330	1397.05	25.47
331	1400.18	25.55
332	1407.11	25.53
333	1415.78	25.94
334	1417.17	25.92
335	1418.29	25.90
336	1427.23	25.05
337	1428.34	25.08
338	1436.40	25.21
339	1437.30	25.22
340	1438.41	25.23
341	1447.36	25.03
342	1454.51	25.00
343	1457.42	25.17
344	1463.57	25.29
345	1467.48	25.37
346	1472.37	25.39
347	1477.54	25.42
348	1483.69	25.19
349	1487.60	25.03
350	1490.74	25.07
351	1497.66	25.02
352	1499.79	25.00
353	1507.73	25.08
354	1517.64	25.01
355	1517.79	25.01
356	1517.90	25.01
357	1518.96	25.01
358	1526.96	25.07

Order	Station [ft]	Elevation [ft]
359	1527.85	25.12
360	1528.96	25.11
361	1537.91	25.31
362	1540.28	25.13
363	1547.97	25.20
364	1554.13	25.13
365	1558.03	25.29
366	1562.91	25.21
367	1568.09	25.04
368	1572.24	24.98
369	1577.63	24.91
370	1578.16	24.90
371	1581.15	24.89
372	1588.30	24.89
373	1589.84	24.89
374	1598.43	25.25
375	1598.53	25.26
376	1599.11	25.25
377	1608.57	25.11
378	1615.91	24.98
379	1618.71	24.93
380	1624.61	24.92
381	1628.85	25.00
382	1633.30	25.05
383	1638.98	25.09
384	1641.99	25.10
385	1649.12	25.00
386	1650.68	24.92
387	1659.26	24.72
388	1659.37	24.72
389	1660.04	24.72
390	1668.06	24.70
391	1669.40	24.77
392	1676.75	24.94
393	1679.53	24.90
394	1685.44	24.78
395	1689.67	24.77
396	1694.14	24.83
397	1699.81	24.79
398	1702.83	24.79
399	1709.95	25.81
400	1711.52	25.85
401	1720.08	24.70
402	1720.21	24.70
403	1720.96	24.69
404	1730.22	24.56
405	1737.59	24.42
406	1740.36	24.47
407	1746.28	24.74

Order	Station [ft]	Elevation [ft]
408	1750.50	24.95
409	1756.39	25.32
410	1760.63	25.59
411	1763.67	25.57
412	1770.77	25.96
413	1772.36	25.91
414	1780.91	26.37
415	1781.05	26.37
416	1781.89	26.33
417	1789.74	25.37
418	1791.05	25.36
419	1798.43	24.84
420	1801.18	24.73
421	1803.79	24.73
422	1808.34	25.02
423	1811.30	25.17
424	1820.22	25.53
425	1821.41	25.54
426	1822.30	25.61
427	1828.24	26.04
428	1831.52	26.09
429	1832.09	26.12
430	1841.63	25.71
431	1843.97	25.73
432	1851.74	25.68
433	1855.84	25.64
434	1861.85	25.26
435	1866.30	25.18
436	1871.96	25.10
437	1875.11	25.08
438	1882.07	24.99
439	1883.91	25.00
440	1892.18	24.93
441	1896.26	24.91
442	1902.29	24.87
443	1903.34	24.84
444	1912.40	24.48
445	1915.22	24.56
446	1922.51	24.73
447	1927.92	24.70
448	1932.62	24.49
449	1936.72	24.34
450	1942.73	24.13
451	1945.52	24.08
452	1952.84	23.91
453	1962.72	24.05
454	1962.95	24.06
455	1964.28	24.05
456	1973.06	24.02

Order	Station [ft]	Elevation [ft]
457	1974.59	24.13
458	1983.17	24.79
459	1986.47	24.94
460	1993.28	25.43
461	1998.33	25.59
462	2003.39	25.63
463	2010.22	25.68
464	2013.50	25.71
465	2014.30	25.72
466	2019.45	25.66
467	2025.03	25.66
468	2033.39	25.67
469	2036.69	25.68
470	2037.52	25.55
471	2038.90	25.57
472	2044.81	25.30
473	2048.35	25.09
474	2058.36	24.35
475	2060.01	24.28
476	2066.68	24.38
477	2071.66	24.58
478	2077.81	24.68
479	2081.26	24.62
480	2083.32	24.60
481	2091.56	24.52
482	2094.98	24.55
483	2095.84	24.51
484	2097.27	24.69
485	2103.13	25.26
486	2106.64	25.07
487	2110.42	24.75
488	2116.73	24.61
489	2117.71	24.59
490	2118.30	24.61
491	2125.00	24.91
492	2129.95	24.82
493	2136.18	24.78
494	2141.61	24.81
495	2149.73	25.06
496	2153.27	25.08
497	2155.64	25.03
498	2164.93	24.86
499	2175.09	24.92
500	2176.03	24.88
501	2176.58	24.91
502	2183.32	24.93
503	2188.24	24.81
504	2190.61	24.82
505	2194.55	24.86

Order	Station [ft]	Elevation [ft]
506	2199.90	24.89
507	2205.18	24.89
508	2211.56	24.77
509	2212.47	24.75
510	2214.01	24.75
511	2219.76	24.73
512	2223.22	24.75
513	2233.46	24.73
514	2234.87	24.74
515	2236.98	24.77
516	2243.51	24.85
517	2246.59	24.89
518	2248.88	24.95
519	2252.43	24.97
520	2258.49	25.04
521	2269.47	24.93
522	2270.39	24.93
523	2270.89	24.93
524	2277.82	24.91
525	2282.29	24.78
526	2289.35	24.74
527	2294.18	24.76
528	2302.95	24.45
529	2306.08	24.39
530	2307.81	24.49
531	2317.98	25.33
532	2326.26	25.24
533	2329.87	25.15
534	2336.42	25.09
535	2341.77	25.00
536	2344.72	24.92
537	2353.67	24.55
538	2363.18	24.75
539	2365.57	24.71
540	2369.90	24.55
541	2377.46	24.24
542	2381.64	24.31
543	2386.33	24.78
544	2388.22	24.84
545	2389.91	24.90
546	2393.53	24.95
547	2396.05	25.11
548	2400.72	25.11
549	2407.46	25.13
550	2408.21	25.13
551	2409.91	25.15
552	2420.38	25.27
553	2425.02	25.32
554	2432.55	25.38

Order	Station [ft]	Elevation [ft]
555	2442.57	25.39
556	2444.71	25.36
557	2449.54	25.27
558	2456.88	25.10
559	2460.13	25.09
560	2469.05	24.88
561	2472.58	24.63
562	2477.69	24.60
563	2481.21	24.59
564	2486.96	24.54
565	2493.38	24.68
566	2494.14	24.70
567	2495.24	24.64
568	2501.33	24.36
569	2505.55	24.27
570	2508.52	24.37
571	2512.80	24.57
572	2515.70	24.71
573	2517.71	24.80
574	2528.80	25.02
575	2529.88	25.05
576	2530.07	25.04
577	2530.36	25.05
578	2542.05	25.52
579	2543.85	25.60
580	2551.33	25.81
581	2552.48	25.79
582	2558.51	25.55
583	2562.04	25.30
584	2562.60	25.30
585	2570.77	25.47
586	2572.73	25.48
587	2579.50	25.16
588	2582.86	25.24
589	2587.49	25.20
590	2592.98	25.31
591	2599.54	25.04
592	2603.11	24.89
593	2611.60	25.04
594	2613.24	25.05
595	2621.85	24.83
596	2623.36	24.79
597	2623.65	24.79
598	2633.49	24.84
599	2635.71	24.85
600	2643.62	24.85
601	2649.35	24.82
602	2653.74	24.88
603	2659.81	25.11

Order	Station [ft]	Elevation [ft]
604	2663.87	25.18
605	2671.87	25.50
606	2674.00	25.56
607	2683.92	26.12
608	2684.13	26.12
609	2685.19	26.10
610	2694.25	25.51
611	2700.56	25.02
612	2701.81	24.94
613	2704.34	24.99
614	2711.09	24.65
615	2714.38	24.66
616	2720.36	24.56
617	2724.41	24.56
618	2729.17	24.63
619	2734.44	24.39
620	2740.10	24.53
621	2744.48	24.57
622	2751.02	24.50
623	2754.51	24.50
624	2761.94	24.95
625	2764.54	24.92
626	2772.86	24.52
627	2774.58	24.56
628	2783.79	24.19
629	2784.61	24.21
630	2793.90	23.83
631	2794.64	23.80
632	2794.71	23.80
633	2804.68	23.68
634	2805.63	23.73
635	2814.71	24.37
636	2816.55	24.43
637	2824.74	25.26
638	2827.47	25.47
639	2834.77	26.31
640	2838.40	26.73
641	2844.81	25.69
642	2849.32	25.11
643	2854.84	24.75
644	2860.24	24.74
645	2864.87	24.82
646	2871.16	24.81
647	2874.91	24.89
648	2878.09	24.90
649	2884.94	24.96
650	2893.01	25.01
651	2894.97	25.02
652	2903.93	24.96

Order	Station [ft]	Elevation [ft]
653	2905.01	24.96
654	2914.85	25.03
655	2915.04	25.03
656	2917.13	25.06
657	2924.47	25.18
658	2925.07	25.17
659	2933.75	25.07
660	2935.11	25.10
661	2943.03	25.23
662	2945.14	25.28
663	2952.31	25.40
664	2955.17	25.44
665	2958.54	25.37
666	2965.20	25.22
667	2970.86	25.56
668	2975.24	25.63
669	2980.01	25.63
670	2980.36	25.64
671	2985.98	25.74
672	2990.66	25.73
673	2995.01	25.67
674	2997.38	25.66
675	3005.45	26.22
676	3008.77	26.35
677	3009.75	26.40
678	3011.53	26.46
679	3017.12	26.42
680	3020.16	26.25
681	3024.49	26.04
682	3031.55	25.57
683	3032.40	25.47
684	3042.95	24.73
685	3046.59	24.92
686	3053.28	25.26
687	3054.34	25.32
688	3061.33	25.57
689	3065.73	25.77
690	3074.15	25.66
691	3077.13	25.57
692	3083.44	25.45
693	3088.52	25.49
694	3090.81	25.51
695	3095.02	25.55
696	3098.18	25.57
697	3099.91	25.58
698	3105.55	25.63
699	3111.30	25.68
700	3115.89	25.72
701	3122.70	25.78

Order	Station [ft]	Elevation [ft]
702	3127.66	25.74
703	3134.09	26.18
704	3135.03	26.20
705	3136.76	26.09
706	3145.48	25.61
707	3149.77	25.64
708	3156.88	25.67
709	3157.14	25.67
710	3157.63	25.67
711	3168.27	25.63
712	3171.88	25.56
713	3178.50	25.47
714	3179.66	25.46
715	3181.05	25.44
716	3191.05	25.31
717	3193.99	25.31
718	3199.38	25.26
719	3202.45	25.24
720	3208.73	25.34
721	3213.84	25.40
722	3216.10	25.44
723	3220.25	25.46
724	3223.47	25.49
725	3225.23	25.70
726	3231.22	25.82
727	3233.87	25.94
728	3236.29	26.07
729	3242.62	25.85
730	3246.29	25.76
731	3250.13	25.76
732	3256.29	25.73
733	3262.19	25.77
734	3266.30	25.80
735	3270.59	25.83
736	3276.30	25.88
737	3280.82	25.92
738	3286.30	25.97
739	3291.54	26.00
740	3296.30	25.98
741	3301.28	25.91
742	3306.31	25.81
743	3311.51	25.87
744	3316.31	25.86
745	3321.74	25.89
746	3324.95	25.89

Comment:

Weir Cross Section: OW-WETLAND 4-WETLAND 5

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	26.06
2	4.40	26.07
3	7.97	26.09
4	14.58	26.15
5	20.54	26.06
6	24.76	26.03
7	27.63	25.93
8	34.94	25.62
9	42.73	25.52
10	45.11	25.51
11	45.67	25.50
12	55.29	25.42
13	61.84	25.22
14	65.47	25.24
15	70.81	25.22
16	75.65	25.24
17	78.95	25.25
18	85.83	25.18
19	95.94	25.11
20	96.01	25.11
21	96.29	25.11
22	106.19	25.07
23	113.16	25.09
24	116.37	25.06
25	121.71	25.09
26	126.55	25.08
27	133.65	24.87
28	136.73	24.79
29	146.21	24.80
30	146.90	24.79
31	149.84	24.83
32	157.08	24.92
33	164.48	24.90
34	167.26	24.87
35	171.35	24.99
36	177.44	25.05
37	183.92	24.92
38	187.62	24.89
39	196.49	25.19
40	197.80	25.24
41	203.40	25.31
42	207.98	25.33
43	213.27	25.09

Comment:

Weir Cross Section: OW-WETLAND 5-WETLAND 7

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	25.96
2	1.75	26.07
3	6.16	26.36
4	10.35	26.34
5	18.81	26.84
6	20.78	26.99
7	21.93	27.02
8	28.09	27.16
9	33.51	27.56
10	38.63	27.45
11	45.09	26.92
12	54.17	26.42
13	56.67	26.30
14	58.46	26.17
15	68.25	25.78
16	78.28	25.73
17	79.26	25.76
18	79.84	25.76
19	82.02	25.78
20	91.42	25.95
21	98.11	26.10
22	101.20	26.11
23	103.00	26.06
24	109.86	26.28
25	114.58	26.42
26	115.82	26.39
27	117.94	26.31
28	126.16	25.83
29	130.44	25.75
30	137.74	26.38
31	137.75	26.38
32	137.76	26.38
33	145.06	26.64
34	149.32	26.93
35	155.93	26.96
36	158.54	26.99
37	159.98	26.99
38	160.46	27.02
39	167.87	27.01

Order	Station [ft]	Elevation [ft]
40	171.02	27.00
41	175.76	27.00
42	181.57	27.00
43	183.65	26.99
44	189.77	26.99
45	191.54	26.99
46	192.13	26.99
47	193.33	26.99
48	202.69	26.96
49	209.28	26.94
50	213.24	26.89
51	215.20	26.83
52	221.01	26.84
53	223.09	26.80
54	223.80	26.80
55	230.98	26.73
56	234.35	26.80
57	238.87	26.88
58	244.91	26.84
59	246.76	26.83
60	252.24	26.79
61	254.65	26.77
62	255.46	26.77
63	262.54	26.72
64	266.02	26.70
65	270.43	26.67
66	276.58	26.62
67	283.47	26.71
68	286.21	26.76
69	287.13	26.78
70	294.10	26.81
71	297.69	26.82
72	301.99	26.91
73	308.24	26.77
74	309.88	26.61
75	314.71	26.15
76	318.80	25.82
77	325.65	26.06
78	329.35	26.33
79	336.83	26.74
80	339.91	27.01
81	345.94	26.92
82	349.32	26.86
83	350.47	26.88
84	357.21	26.82
85	361.02	26.82
86	365.10	26.69
87	371.58	26.59
88	377.17	26.60

Order	Station [ft]	Elevation [ft]
89	382.13	26.57
90	384.66	26.60
91	392.69	26.66
92	394.78	26.68
93	396.47	26.71
94	400.50	26.83
95	407.19	26.65
96	410.66	26.42
97	413.60	26.31
98	417.76	26.33
99	422.66	26.25
100	426.71	26.33
101	431.95	26.47
102	438.13	26.44
103	439.04	26.44
104	439.81	26.44
105	449.07	26.49
106	452.91	26.52
107	453.61	26.53
108	466.02	26.63
109	467.42	26.55
110	469.08	26.37
111	474.52	25.93
112	479.12	25.76
113	481.61	25.65
114	484.56	25.64
115	492.22	25.46
116	495.80	25.59
117	500.03	26.06
118	505.33	26.51
119	509.99	26.64
120	515.50	26.61
121	517.09	26.62
122	518.43	26.53
123	530.98	26.68
124	531.54	26.68
125	538.38	26.51
126	544.64	26.14
127	545.47	26.07
128	546.45	25.98
129	552.57	25.61
130	557.74	25.75
131	559.66	25.78
132	561.93	26.08
133	564.70	26.34
134	566.77	26.53
135	570.53	26.52
136	578.51	25.94
137	581.07	25.84

Order	Station [ft]	Elevation [ft]
138	582.97	25.86
139	595.33	26.24
140	595.37	26.24
141	595.40	26.24
142	595.60	26.24
143	607.84	26.25
144	609.67	26.12
145	612.16	25.80
146	616.83	25.16
147	620.27	25.11
148	623.98	25.10
149	628.98	25.06
150	631.13	25.04
151	632.71	25.06
152	638.28	25.07
153	645.14	25.03
154	645.43	25.03
155	645.81	25.03
156	652.58	25.09
157	657.58	25.02
158	659.73	24.97
159	662.63	24.97
160	666.88	24.99
161	670.01	24.95
162	674.03	24.96
163	679.46	24.97
164	681.18	24.99
165	682.45	25.00
166	688.33	25.07
167	694.88	24.98
168	695.48	24.98
169	696.28	24.99
170	702.63	25.10
171	707.32	24.95
172	713.11	24.94
173	716.93	25.02
174	719.75	25.09
175	724.08	25.18
176	729.94	24.98
177	731.23	24.95
178	732.18	24.96
179	738.38	25.14
180	744.62	25.00
181	745.53	24.98
182	746.76	24.97
183	757.05	25.05
184	759.83	25.18

Comment:

Weir Cross Section: OW-WETLAND 6- WETLAND 7

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	26.02
2	5.46	25.95
3	10.01	26.02
4	19.22	26.10
5	20.48	26.10
6	21.07	26.09
7	22.74	26.16
8	32.14	26.39
9	42.60	26.69
10	43.01	26.68
11	43.20	26.67
12	43.74	26.66
13	54.26	26.28
14	64.73	25.91
15	65.33	25.89
16	65.98	25.88
17	76.39	25.86
18	85.73	25.20
19	87.45	25.10
20	89.37	25.05
21	98.51	24.92
22	103.09	24.89
23	109.58	24.96
24	112.75	24.94
25	120.64	24.75
26	127.72	24.73
27	131.70	24.67
28	136.13	24.76
29	142.76	24.82
30	148.72	24.90
31	153.83	25.19
32	155.65	25.17
33	159.52	25.32
34	163.16	25.43
35	164.89	25.38
36	165.67	25.40
37	170.81	24.93
38	173.58	24.36
39	178.53	24.39
40	184.32	24.83
41	186.25	25.02
42	191.17	25.33
43	195.06	25.48
44	197.56	25.76

Order	Station [ft]	Elevation [ft]
45	205.80	26.30
46	215.20	25.33
47	216.54	25.25
48	218.61	25.26
49	227.28	25.37
50	232.56	25.36
51	238.01	25.43
52	246.06	25.64
53	247.99	25.68
54	248.75	25.72
55	255.71	25.72
56	259.49	25.71
57	268.13	25.65
58	270.23	25.65
59	273.50	25.65
60	280.97	25.57
61	285.77	25.63
62	291.71	25.65
63	300.94	25.71
64	302.44	25.74
65	303.41	25.72
66	313.18	25.72
67	321.05	25.74
68	323.92	25.73
69	328.39	25.80
70	334.66	25.88
71	338.69	26.00
72	345.40	26.02
73	355.83	25.86
74	356.14	25.85
75	356.33	25.85
76	366.87	25.75
77	373.98	25.95
78	377.61	26.09
79	383.27	25.88
80	388.35	25.77
81	391.62	25.79
82	399.09	26.01
83	409.26	26.05
84	409.83	26.04
85	410.71	26.05
86	420.57	26.00
87	426.90	25.97
88	431.30	25.92
89	438.16	25.92
90	442.04	25.93
91	444.54	25.82
92	452.78	25.34
93	462.18	25.64

Order	Station [ft]	Elevation [ft]
94	463.52	25.73
95	465.60	25.79
96	474.26	26.13
97	479.82	26.10
98	485.00	26.04
99	487.90	26.00
100	490.07	26.08
101	491.30	25.98
102	492.09	25.99
103	492.64	25.94
104	493.05	25.92
105	493.36	25.92
106	493.61	25.84
107	493.81	25.92
108	493.97	25.88
109	494.11	25.88
110	494.23	25.84
111	494.34	25.81
112	494.43	25.81
113	494.50	25.85
114	494.57	25.87
115	494.64	25.83
116	494.69	25.87
117	494.74	25.86
118	494.79	25.82
119	494.83	25.80
120	494.87	25.82
121	494.90	25.82
122	494.94	25.83
123	494.97	25.80
124	494.99	25.79
125	495.02	25.83
126	495.04	25.81
127	495.07	25.84
128	495.09	25.83
129	495.11	25.83
130	495.13	25.83
131	495.14	25.84
132	495.16	25.83
133	495.18	25.82
134	495.19	25.81
135	495.20	25.82
136	495.22	25.82
137	495.23	25.83
138	495.24	25.82
139	495.25	25.84
140	495.27	25.86
141	495.28	25.86
142	495.29	25.86

Comment:

Weir Cross Section: OW-WETLAND 7 TO EB TAILWATER

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
0	0.00	25.20
1	1657.16	25.60
2	2942.13	25.20
3	3153.57	26.10

Comment:

Weir Cross Section: B15 TO DS WEST

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	25.99
2	0.03	25.99
3	6.38	25.74
4	11.01	25.69
5	13.93	25.61
6	20.39	25.70
7	21.49	25.70
8	21.99	25.69
9	29.05	25.49
10	32.97	25.44
11	36.60	25.44
12	43.94	25.57
13	44.16	25.57
14	44.63	25.59
15	51.71	25.80
16	54.92	25.74
17	59.27	25.77
18	65.90	25.51
19	66.83	25.46
20	68.88	25.57
21	74.38	25.82
22	76.87	25.86
23	83.49	25.76

Order	Station [ft]	Elevation [ft]
24	87.85	25.67
25	89.50	25.63
26	93.13	25.66
27	97.05	25.67
28	98.83	25.64
29	103.55	25.56
30	109.81	25.49
31	117.37	25.48
32	120.78	25.53
33	123.61	25.58
34	131.76	25.60
35	141.62	25.48
36	142.39	25.46
37	142.74	25.46
38	149.94	25.87
39	153.71	25.89
40	163.72	25.54
41	164.69	25.50
42	165.86	25.50
43	172.61	25.54
44	175.67	25.47
45	180.17	25.38
46	186.65	25.43
47	187.73	25.43
48	190.11	25.51
49	195.28	25.61
50	197.62	25.59
51	203.84	25.63
52	208.60	25.61
53	209.73	25.63
54	210.42	25.64
55	215.64	25.64
56	219.21	25.64
57	221.05	25.64
58	229.77	25.64
59	237.07	25.66
60	240.34	25.66
61	241.94	25.63
62	246.65	25.60
63	250.90	25.56
64	253.10	25.60
65	261.47	25.94
66	269.12	25.87
67	272.03	25.80
68	277.66	25.76
69	281.34	25.75
70	282.59	25.73
71	289.22	25.70
72	293.16	25.63

Order	Station [ft]	Elevation [ft]
73	297.10	25.47
74	303.72	25.43
75	304.98	25.43
76	308.67	25.42
77	314.29	25.44
78	320.74	25.52
79	324.85	25.53
80	328.62	25.60
81	335.42	25.77
82	339.68	25.85
83	344.38	25.89
84	345.98	25.92
85	352.26	25.94
86	356.55	25.93
87	360.14	25.88
88	367.11	25.80
89	368.02	25.78
90	370.68	25.99
91	377.67	26.49
92	379.14	26.37
93	383.55	26.06
94	388.71	25.44
95	391.03	25.47
96	395.83	25.46
97	398.52	25.42
98	399.82	25.50
99	403.57	25.51
100	410.93	25.64
101	413.49	25.97
102	418.31	26.41
103	426.79	26.89
104	428.35	26.94
105	433.80	27.05
106	438.59	26.81
107	446.10	26.32
108	448.84	26.39
109	453.13	26.62
110	459.08	26.38
111	466.29	26.65
112	469.32	26.58
113	479.46	26.49
114	479.57	26.49
115	479.94	26.51
116	488.02	26.49
117	489.81	26.61
118	496.40	26.26
119	500.05	26.45
120	504.78	26.14
121	510.30	26.32

Order	Station [ft]	Elevation [ft]
122	512.75	26.37
123	513.13	26.39
124	520.88	26.54
125	520.89	26.54
126	520.89	26.54
127	531.58	26.16
128	538.15	26.52
129	542.28	26.65
130	549.02	26.71
131	552.98	26.47
132	555.40	26.62
133	563.68	26.36
134	572.66	26.51
135	574.38	26.53
136	577.17	26.57
137	580.23	26.46
138	585.03	26.30
139	589.46	26.36
140	595.64	26.08
141	605.90	26.38
142	606.25	26.39
143	606.90	26.39
144	616.86	26.12
145	622.34	26.60
146	627.47	26.56
147	636.83	26.70
148	638.08	26.61
149	638.77	26.66
150	639.04	26.65
151	648.45	26.35
152	652.83	26.00
153	658.78	25.80
154	666.84	26.02
155	669.12	25.98
156	675.54	26.21
157	676.01	26.23
158	678.53	26.27
159	679.56	26.27
160	686.35	25.84
161	690.18	26.24
162	698.27	26.54
163	700.80	26.59
164	701.99	26.62
165	705.33	26.67
166	707.82	26.61
167	711.51	26.52
168	715.91	26.10
169	722.40	25.49
170	724.98	25.46

Order	Station [ft]	Elevation [ft]
171	730.95	25.56
172	733.29	25.54
173	735.06	25.73
174	744.18	26.01
175	754.06	26.53
176	754.16	26.53
177	755.01	26.56
178	755.54	26.57
179	757.73	26.65
180	765.30	26.36
181	767.67	26.39
182	775.58	25.89
183	781.17	25.89
184	785.86	25.50
185	794.68	25.66
186	796.14	25.65
187	800.80	25.72
188	806.42	25.62
189	808.18	25.73
190	816.70	25.40
191	821.94	25.44
192	826.98	25.84
193	835.19	25.99
194	836.78	26.04
195	837.26	26.06
196	846.14	25.90
197	847.41	25.82
198	847.69	25.83
199	857.57	25.53
200	864.46	25.28
201	867.73	25.31
202	872.43	25.35
203	877.89	25.15
204	884.79	25.59
205	888.05	25.58
206	890.32	25.61
207	898.16	25.75
208	898.20	25.75
209	907.35	25.68
210	908.20	25.69
211	917.35	25.62
212	918.20	25.63
213	927.35	25.67
214	928.20	25.67
215	937.35	25.62
216	938.20	25.62
217	947.35	25.50
218	948.20	25.50
219	957.35	25.48

Order	Station [ft]	Elevation [ft]
220	958.20	25.46
221	967.35	25.44
222	968.20	25.46
223	977.35	25.68
224	978.20	25.68
225	987.35	25.76
226	988.20	25.76
227	997.35	25.66
228	997.39	25.66
229	998.21	25.67
230	1006.61	25.70
231	1008.24	25.69
232	1015.86	25.59
233	1018.28	25.55
234	1025.12	25.57
235	1028.31	25.62
236	1034.37	25.48
237	1038.35	25.52
238	1043.63	25.57
239	1048.39	25.57
240	1052.88	25.50
241	1058.42	25.46
242	1062.14	25.31
243	1068.46	25.29
244	1071.39	25.15
245	1078.49	25.14
246	1080.65	25.14
247	1088.53	24.90
248	1089.90	24.87
249	1098.32	25.77
250	1098.59	25.82
251	1098.99	25.85
252	1099.78	25.86
253	1106.43	25.34
254	1109.82	25.37
255	1113.86	25.16
256	1121.04	25.87
257	1121.30	25.86
258	1121.79	25.90
259	1122.90	25.86
260	1130.90	25.88
261	1131.25	25.88
262	1141.11	25.51
263	1141.25	25.52
264	1141.38	25.52
265	1142.26	25.42
266	1155.28	25.74
267	1155.61	25.76
268	1155.92	25.81

Order	Station [ft]	Elevation [ft]
269	1157.78	25.74
270	1164.50	25.94
271	1165.38	25.93
272	1166.24	25.90
273	1173.03	25.49
274	1177.08	25.40
275	1180.67	25.00
276	1187.91	25.61
277	1188.32	25.61
278	1189.32	25.65
279	1190.98	25.62
280	1196.31	25.55
281	1198.40	25.51
282	1204.47	25.37
283	1208.75	25.39
284	1212.64	25.03
285	1219.10	25.62
286	1220.81	25.65
287	1227.18	26.10
288	1228.96	26.12
289	1228.97	26.12
290	1229.61	26.08
291	1236.04	25.51
292	1242.74	25.56
293	1243.21	25.57
294	1243.24	25.57
295	1243.72	25.58
296	1252.62	25.72
297	1253.23	25.74
298	1262.01	25.86
299	1263.25	25.88
300	1263.53	25.87
301	1271.76	25.70
302	1272.18	25.74
303	1273.00	25.70
304	1282.06	26.21
305	1282.56	26.22
306	1287.93	26.24
307	1291.03	26.03
308	1295.64	25.71
309	1298.17	25.38
310	1300.07	25.46
311	1300.23	25.46
312	1307.39	25.64
313	1307.48	25.64
314	1317.45	25.74
315	1317.48	25.74
316	1320.84	26.01
317	1327.48	26.52

Order	Station [ft]	Elevation [ft]
318	1328.84	26.49
319	1328.94	26.49
320	1335.20	26.08
321	1338.82	26.01
322	1342.52	25.87
323	1348.91	25.85
324	1349.83	25.84
325	1350.37	25.84
326	1350.99	25.86
327	1359.15	26.39
328	1360.46	26.41
329	1368.84	26.57
330	1370.46	26.61
331	1372.59	26.64
332	1376.93	26.46
333	1383.60	26.46
334	1384.00	26.41
335	1384.13	26.42
336	1387.07	26.53
337	1393.37	26.69
338	1393.77	26.69
339	1402.78	26.87
340	1403.79	26.89
341	1405.94	26.83
342	1412.65	26.69
343	1413.80	26.71
344	1422.75	26.38
345	1423.52	26.42
346	1432.48	26.57
347	1433.00	26.52
348	1433.45	26.55
349	1433.97	26.54
350	1443.45	26.67
351	1444.14	26.66
352	1453.45	26.63
353	1454.31	26.65
354	1463.45	26.41
355	1464.48	26.47
356	1464.77	26.44
357	1476.63	26.44
358	1477.92	26.56
359	1478.93	26.55
360	1486.21	26.85
361	1487.26	26.85
362	1495.75	26.42
363	1497.27	26.42
364	1500.23	26.27
365	1503.99	25.97
366	1509.59	26.37

Order	Station [ft]	Elevation [ft]
367	1511.07	26.29
368	1512.78	26.54
369	1513.29	26.53
370	1519.93	26.74
371	1520.51	26.74
372	1529.58	26.44
373	1530.51	26.44
374	1533.16	26.27
375	1537.63	25.86
376	1544.69	26.44
377	1544.74	26.44
378	1544.80	26.43
379	1545.38	26.40
380	1553.33	26.16
381	1555.14	26.14
382	1557.63	26.14
383	1561.05	26.07
384	1566.46	25.88
385	1568.66	25.78
386	1571.57	25.78
387	1577.15	25.77
388	1578.81	25.77
389	1585.95	25.77
390	1586.28	25.76
391	1593.04	25.72
392	1595.83	25.70
393	1595.97	25.70
394	1596.11	25.70
395	1604.46	25.73
396	1605.38	25.74
397	1605.94	25.74
398	1606.35	25.72
399	1609.14	25.81
400	1618.81	25.94
401	1621.52	26.01
402	1628.89	25.97
403	1629.34	25.98
404	1638.72	25.90
405	1639.41	25.91
406	1639.77	25.87
407	1651.81	26.04
408	1656.68	26.50
409	1663.96	26.22
410	1664.26	26.21
411	1671.53	26.13
412	1679.43	26.08
413	1682.31	26.04
414	1684.84	26.10
415	1689.39	26.21

Order	Station [ft]	Elevation [ft]
416	1694.59	26.52
417	1696.48	26.52
418	1698.14	26.53
419	1709.75	26.83
420	1709.96	26.84
421	1710.95	26.85
422	1719.82	26.83
423	1728.41	26.17
424	1729.82	26.14
425	1738.26	26.09
426	1739.82	26.16
427	1741.45	26.22
428	1749.83	26.31
429	1757.94	26.80
430	1759.83	26.81
431	1767.79	26.77
432	1769.83	26.74
433	1777.63	26.69
434	1779.83	26.66
435	1787.47	26.61
436	1789.83	26.58
437	1797.32	26.48
438	1799.83	26.41
439	1807.16	26.22
440	1809.83	26.20
441	1817.01	26.02
442	1819.83	25.95
443	1826.85	25.88
444	1829.84	25.84
445	1832.92	25.85
446	1839.84	25.83
447	1846.54	25.81
448	1849.84	25.81
449	1856.38	25.77
450	1859.84	25.73
451	1863.41	25.74
452	1869.84	25.71
453	1873.57	25.82
454	1879.84	25.91
455	1885.91	26.07
456	1888.40	26.13

Comment:

Weir Cross Section: B15 TO WETLAND 2

Scenario: Icpr3

Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	25.59
2	1.34	25.71
3	6.77	25.55
4	11.39	25.23
5	17.06	25.12
6	21.45	24.86
7	25.02	25.15
8	31.50	25.85
9	39.43	26.10
10	41.55	26.29
11	47.11	26.40
12	50.68	26.47
13	51.61	26.44
14	58.70	25.98
15	61.67	25.76
16	62.06	25.76
17	71.74	25.00
18	73.44	25.03
19	81.81	26.14
20	85.54	25.79
21	88.34	25.52
22	91.91	25.49
23	97.06	25.17
24	102.04	25.24
25	108.94	24.95
26	112.17	24.83
27	121.02	25.01
28	122.30	24.98
29	128.97	25.73
30	131.64	25.93
31	132.44	26.03
32	132.63	26.04
33	133.35	25.99
34	142.77	25.08
35	149.06	24.97
36	153.10	25.28
37	157.27	25.21
38	163.42	24.88
39	165.48	24.85
40	173.48	25.48
41	173.69	25.49
42	173.75	25.49
43	173.84	25.51
44	184.07	25.27
45	184.71	25.30
46	192.38	25.13

Order	Station [ft]	Elevation [ft]
47	194.79	25.16
48	201.83	24.92
49	205.53	24.90
50	209.55	24.84
51	216.27	24.86
52	219.80	24.87
53	224.98	24.90
54	227.01	24.90
55	231.65	24.92
56	237.75	24.90
57	247.22	24.92
58	248.13	24.92
59	248.49	24.92
60	249.31	24.94
61	259.23	25.15
62	266.96	25.64
63	269.97	25.88
64	274.63	26.20
65	280.66	26.63

Comment:

Weir Cross Section: DS EAST TO WETLAND 5

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	25.36
2	5.31	25.17
3	9.69	25.06
4	14.92	24.97
5	19.90	24.91
6	20.21	24.91
7	20.40	24.92
8	30.91	25.19
9	37.62	24.98
10	41.60	25.07
11	43.39	25.10
12	48.12	24.99
13	51.15	24.91
14	52.29	25.06
15	58.90	25.21
16	62.99	25.54
17	72.06	24.86
18	73.68	24.88

Order	Station [ft]	Elevation [ft]
19	74.41	24.89
20	76.34	24.98
21	84.38	25.46
22	89.28	25.62
23	95.07	25.67
24	104.55	25.53
25	105.77	25.49
26	106.51	25.47
27	116.46	25.22
28	123.73	25.69
29	127.15	25.76
30	132.77	25.76
31	137.85	25.48
32	140.95	25.72
33	148.54	25.64
34	151.96	25.69
35	159.24	25.84
36	160.99	25.92
37	169.93	25.88
38	175.39	26.07
39	180.62	25.87
40	189.20	26.01
41	191.32	25.88
42	198.49	25.26
43	202.01	25.18
44	206.25	25.00
45	212.71	26.14
46	217.42	25.85
47	221.32	25.58
48	228.09	25.93
49	230.32	26.08
50	231.27	26.05
51	240.76	25.57
52	246.19	25.34
53	251.20	25.10
54	256.03	25.37
55	258.89	25.56
56	261.53	25.54
57	267.30	25.57
58	271.76	25.72
59	278.71	25.78
60	281.99	25.70
61	284.11	25.61
62	292.23	26.02
63	292.51	26.02
64	293.82	26.01
65	300.92	25.57
66	302.46	25.61
67	304.87	25.73

Order	Station [ft]	Elevation [ft]
68	312.70	25.40
69	317.94	25.46
70	322.93	25.47
71	326.13	25.42
72	333.16	25.34
73	334.54	25.35
74	340.86	25.30
75	342.94	25.28
76	343.40	25.29
77	351.35	25.26
78	353.63	25.13
79	357.18	25.32
80	363.87	25.28
81	368.16	25.21
82	374.10	25.14
83	376.57	25.26
84	384.33	25.20
85	384.97	25.20
86	387.90	25.23
87	393.38	25.24
88	394.57	25.23
89	401.78	25.05
90	404.80	25.26
91	410.19	25.32
92	412.56	25.44
93	415.11	25.57
94	418.23	25.63
95	425.65	25.56
96	426.14	25.57
97	427.59	25.65
98	436.19	25.98
99	441.95	25.81
100	446.74	26.10
101	449.85	26.03
102	454.62	26.55
103	457.14	26.67
104	458.59	26.67
105	467.14	26.32
106	468.59	26.32
107	477.14	25.34
108	478.59	25.35
109	487.14	25.32
110	488.59	25.32
111	497.14	25.69
112	505.69	25.11
113	507.14	25.13
114	508.59	25.12
115	517.14	25.40
116	518.59	25.38

Order	Station [ft]	Elevation [ft]
117	527.14	25.45
118	528.59	25.45
119	537.14	25.49
120	537.74	25.50
121	538.62	25.50
122	547.15	25.62
123	555.04	25.53
124	557.16	25.50
125	559.44	25.49
126	567.16	25.57
127	569.84	25.64
128	577.17	25.76
129	580.25	25.74
130	587.18	25.35
131	590.66	25.32
132	597.18	25.21
133	603.23	24.92
134	607.19	24.91
135	611.47	24.88
136	617.20	24.77
137	622.51	24.98
138	625.36	25.09

Comment:

Weir Cross Section: DS NORTH TO B15

Scenario: Icpr3

Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	25.47
2	1.54	25.46
3	8.76	25.64
4	12.13	25.60
5	19.06	25.61
6	22.71	25.65
7	29.57	25.34
8	33.30	25.22
9	35.28	25.30
10	43.88	25.25
11	51.50	25.59
12	54.47	25.71
13	60.04	25.89
14	65.06	25.90
15	67.72	25.97

Order	Station [ft]	Elevation [ft]
16	75.64	25.92
17	79.48	26.28
18	86.23	26.57
19	90.52	26.86
20	96.81	27.07
21	100.17	27.10
22	107.40	26.48
23	116.39	26.27
24	117.99	26.19
25	118.76	26.22
26	121.00	26.35
27	126.62	26.27
28	128.57	26.36
29	134.48	26.13
30	139.16	26.50
31	148.83	27.47
32	149.74	27.51
33	151.47	27.49
34	155.18	27.08
35	158.08	26.77
36	160.29	26.74
37	164.58	26.87
38	170.79	26.59
39	180.02	27.06
40	181.29	27.00
41	183.98	27.15
42	189.90	26.95
43	191.79	26.83
44	197.85	25.89
45	202.29	26.25
46	205.80	25.98
47	212.79	25.35
48	216.77	25.49
49	221.71	25.67
50	223.29	25.65
51	229.66	25.67
52	233.79	25.62
53	241.81	25.31
54	244.29	25.09
55	245.57	25.07
56	249.56	25.12
57	254.79	25.17
58	257.25	25.40
59	265.29	27.08
60	269.43	26.68
61	275.79	26.73
62	282.35	26.37
63	286.29	26.09
64	293.29	25.11

Order	Station [ft]	Elevation [ft]
65	296.79	25.18
66	301.24	25.32
67	304.17	25.35
68	307.29	25.37
69	315.09	26.68
70	317.14	27.01
71	317.80	27.00
72	325.09	26.68
73	328.31	26.75
74	333.03	26.16
75	338.81	26.18
76	347.70	26.56
77	349.32	26.61
78	356.87	27.10
79	359.82	27.36
80	365.58	27.61
81	370.33	27.69
82	372.76	27.37
83	380.32	27.75
84	380.71	27.74
85	380.83	27.74
86	388.66	27.14
87	391.34	27.17
88	396.60	26.62
89	401.85	26.70
90	403.82	26.55
91	404.54	26.50
92	412.20	25.96
93	412.37	25.94
94	412.43	25.94
95	420.21	25.40
96	423.04	25.37
97	428.05	25.44
98	433.65	25.24
99	435.88	25.31
100	442.19	25.39
101	443.72	25.40
102	444.26	25.40
103	451.55	25.31
104	454.86	25.27
105	459.39	25.45
106	465.47	25.88
107	467.22	26.00
108	472.17	26.37
109	475.06	26.53
110	476.08	26.53
111	482.89	26.19
112	486.69	26.11
113	490.73	26.05

Order	Station [ft]	Elevation [ft]
114	497.29	25.66
115	498.56	25.69
116	502.16	25.85
117	507.90	26.04
118	511.05	25.88
119	518.51	25.65
120	527.46	25.57
121	529.12	25.60
122	532.14	25.61
123	539.72	25.85
124	545.58	25.51
125	550.33	25.42
126	560.29	25.32
127	560.94	25.28
128	562.12	25.31
129	571.54	25.42
130	576.70	25.52
131	582.15	25.60
132	584.75	25.71
133	592.11	26.03
134	592.76	26.04
135	593.12	26.05
136	603.37	26.10
137	608.26	26.21
138	613.97	26.33
139	622.09	26.56
140	624.58	26.64
141	625.94	26.63
142	631.66	26.62
143	635.08	26.63
144	640.49	26.47
145	645.37	26.29
146	654.03	25.85
147	655.65	25.72
148	660.77	25.40
149	664.94	25.09
150	665.94	25.08
151	667.57	25.13
152	676.22	25.14
153	681.12	25.24
154	686.51	25.30
155	694.66	25.25
156	696.79	25.31
157	698.10	25.31
158	703.53	25.32
159	707.08	25.31
160	708.20	25.33
161	717.36	25.56
162	721.75	25.45

Order	Station [ft]	Elevation [ft]
163	727.65	24.92
164	731.26	25.03
165	737.93	25.08
166	739.55	25.06
167	746.28	25.12
168	747.84	25.13
169	748.22	25.13
170	748.83	25.13
171	758.51	25.12
172	762.38	25.12
173	768.79	25.09
174	775.92	24.97
175	779.08	24.91
176	789.03	25.12
177	789.30	25.12
178	789.36	25.12
179	797.59	26.04
180	799.65	26.07
181	805.81	25.93
182	805.87	25.93
183	810.36	26.29
184	818.67	26.92
185	821.70	26.88
186	825.21	26.87
187	833.05	26.58
188	839.84	26.55
189	844.40	26.36
190	849.66	26.13
191	855.74	25.93
192	857.58	25.79
193	861.00	25.65
194	867.09	25.71
195	872.35	25.84
196	878.43	25.77
197	882.17	25.67
198	889.78	25.66
199	898.58	25.82
200	901.13	25.87
201	903.33	25.82
202	912.47	25.83
203	916.67	26.01
204	923.82	26.49
205	924.06	26.48
206	924.50	26.45
207	931.44	25.66
208	935.17	25.66
209	945.66	25.77
210	946.22	25.77
211	946.51	25.79

Order	Station [ft]	Elevation [ft]
212	947.49	25.83
213	957.86	26.23
214	960.99	26.40
215	966.83	26.03
216	968.37	25.94
217	969.20	25.95
218	971.95	26.05
219	976.59	26.15
220	980.23	26.21
221	988.68	26.20
222	990.68	26.21
223	995.32	26.13
224	1001.12	25.94
225	1003.60	25.88
226	1011.56	25.79
227	1018.53	26.03
228	1022.00	26.13
229	1030.09	26.94
230	1032.44	27.13
231	1033.45	27.12
232	1042.88	26.65
233	1048.37	26.70
234	1053.32	26.57
235	1063.29	26.25
236	1063.76	26.23
237	1064.86	26.25
238	1074.21	26.35
239	1080.08	26.62
240	1084.65	26.56
241	1093.14	26.45
242	1095.09	26.40
243	1099.63	26.44
244	1105.53	26.50
245	1108.06	26.51
246	1115.97	26.50
247	1120.23	26.54
248	1126.41	26.48
249	1128.26	26.42
250	1134.40	26.63
251	1134.56	26.63

Comment:

Weir Cross Section: OW-DS EAST-WETLAND 6

Scenario: Icpr3

Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	26.02
2	5.78	26.20
3	8.33	26.28
4	16.66	26.54
5	16.79	26.53
6	19.88	26.44
7	23.92	26.31
8	26.50	26.20
9	31.17	26.03
10	38.36	25.71
11	38.41	25.72
12	38.49	25.71
13	45.65	25.59
14	50.21	25.45
15	52.90	25.54
16	57.11	25.41
17	60.14	25.39
18	62.07	25.39
19	67.38	25.80
20	73.92	25.40
21	74.62	25.38
22	75.72	25.34
23	81.87	25.53
24	85.78	25.42
25	89.11	25.48
26	94.34	25.19
27	97.64	25.21
28	103.42	25.12
29	109.49	25.13
30	110.84	25.11
31	112.95	25.07
32	121.35	25.33
33	125.32	25.54
34	131.57	25.12
35	132.57	25.07
36	133.20	25.04
37	136.07	25.03
38	145.06	25.04
39	147.05	25.00
40	150.19	25.01
41	151.22	25.01
42	154.93	25.04
43	156.08	25.04
44	157.68	25.10
45	166.21	25.15
46	169.74	25.06
47	176.34	25.00

Order	Station [ft]	Elevation [ft]
48	181.12	25.08
49	186.47	25.00
50	189.85	25.04
51	196.59	24.99
52	205.91	25.06
53	206.72	25.10
54	207.31	25.12
55	210.96	25.08
56	216.04	25.13
57	216.85	25.16
58	224.77	25.29
59	226.98	25.21
60	233.49	25.45
61	237.10	25.36
62	242.22	25.38
63	247.23	25.45
64	250.95	25.67
65	257.36	25.92
66	259.68	25.82
67	267.49	25.97
68	268.41	25.95
69	274.20	25.53
70	277.61	25.31
71	285.87	25.09
72	287.74	25.07
73	294.60	25.15
74	297.87	25.18
75	302.38	25.36
76	307.80	25.34
77	308.00	25.33
78	315.25	25.14
79	318.48	24.97
80	325.57	25.06
81	328.15	25.19
82	328.96	25.25
83	336.13	25.50
84	339.44	25.47
85	345.77	25.53
86	349.92	25.63
87	352.09	25.70
88	359.02	24.88
89	360.40	24.71
90	368.05	24.50
91	370.88	24.40
92	376.29	24.68
93	381.36	24.93
94	384.01	24.98
95	391.84	25.87
96	391.99	25.86

Order	Station [ft]	Elevation [ft]
97	392.47	25.87
98	402.32	26.25
99	406.81	26.18
100	412.79	26.19
101	422.07	26.11
102	423.27	26.08
103	425.92	26.03
104	433.75	25.92
105	437.33	26.11
106	444.23	26.15
107	452.59	25.98
108	454.71	26.07
109	459.37	26.14
110	463.80	26.02
111	465.19	26.26
112	471.78	26.36
113	475.67	26.15
114	479.76	26.05
115	486.15	26.32
116	492.82	26.19
117	496.63	26.08
118	498.37	26.14
119	507.11	26.50
120	511.68	26.20
121	517.59	25.88
122	526.26	25.33
123	528.07	25.20
124	535.62	25.70
125	538.55	25.80
126	543.60	26.03
127	549.03	25.85
128	551.57	25.87
129	556.24	25.71
130	559.46	25.61
131	560.28	25.68
132	569.81	26.44
133	573.27	26.78
134	580.16	26.57
135	587.37	26.45
136	590.51	26.40
137	599.17	26.24
138	600.86	26.20
139	601.46	26.18
140	611.20	25.73
141	615.56	25.61
142	621.55	25.58
143	625.02	25.54
144	631.90	25.29
145	638.07	25.35

Order	Station [ft]	Elevation [ft]
146	641.37	25.39
147	642.25	25.44
148	649.54	25.41
149	652.59	25.27
150	657.86	25.44
151	662.94	25.56
152	665.89	25.57
153	673.29	25.72
154	674.06	25.74
155	676.97	25.81
156	682.24	25.95
157	683.64	25.99
158	686.06	25.97
159	693.99	26.14
160	698.58	26.17
161	704.33	26.19
162	706.76	26.15
163	714.68	25.96
164	714.93	25.95
165	715.86	25.92
166	725.03	25.71
167	728.35	25.76
168	735.38	25.92
169	742.45	25.95
170	745.72	26.00
171	754.76	26.04
172	756.07	26.02
173	756.55	25.98
174	766.42	25.19
175	770.65	24.92
176	776.77	24.43
177	780.32	24.45
178	787.12	24.54
179	788.49	24.54
180	793.66	24.54
181	797.46	24.54
182	804.84	24.40
183	807.81	24.33
184	812.94	24.11
185	818.16	23.97
186	827.04	24.17
187	828.51	24.22
188	832.55	24.39
189	838.86	24.67
190	845.70	24.77
191	849.20	24.88
192	855.24	24.87
193	859.55	24.79
194	869.34	24.27

Order	Station [ft]	Elevation [ft]
195	869.90	24.24
196	871.45	24.19
197	880.25	24.02
198	883.44	24.11
199	890.59	24.21
200	893.30	24.10
201	895.68	23.93
202	901.07	23.92
203	903.61	23.89
204	911.43	23.77
205	911.58	23.77
206	919.48	23.88
207	922.10	23.87
208	927.26	23.98
209	932.62	24.10
210	942.86	24.37
211	943.14	24.39
212	943.28	24.39
213	943.71	24.42
214	953.65	24.93
215	959.14	24.96
216	964.17	25.11
217	967.08	25.10
218	974.69	25.08
219	975.01	25.07
220	975.99	25.08
221	982.94	25.09
222	985.21	25.11
223	990.87	25.16
224	995.72	25.21
225	998.81	25.24
226	1006.24	25.30
227	1006.74	25.31
228	1008.27	25.32
229	1014.67	25.41
230	1016.76	25.45
231	1022.60	25.55
232	1027.28	25.51
233	1030.54	25.38
234	1037.79	25.07
235	1038.47	25.04
236	1040.54	24.95
237	1048.31	24.66
238	1052.07	24.56
239	1058.83	24.35
240	1067.67	24.14
241	1069.35	24.09
242	1070.20	24.09
243	1072.82	24.08

Order	Station [ft]	Elevation [ft]
244	1079.77	24.05
245	1080.17	24.06
246	1086.37	24.17
247	1087.83	24.20
248	1094.70	24.34
249	1098.10	24.40
250	1103.59	24.28
251	1108.37	24.27
252	1117.00	24.57
253	1118.64	24.61
254	1124.00	24.69
255	1127.98	24.74
256	1128.91	24.75
257	1136.30	24.75
258	1139.18	24.75
259	1144.62	24.76
260	1149.45	24.82
261	1152.94	24.84
262	1159.72	25.26
263	1161.26	25.29
264	1167.82	25.42
265	1169.58	25.45
266	1170.00	25.47
267	1177.90	25.59
268	1180.27	25.73
269	1186.22	25.96
270	1190.54	25.94
271	1194.54	25.69
272	1200.81	25.28
273	1202.87	25.32
274	1211.08	24.97
275	1211.19	24.97
276	1211.64	24.99
277	1219.51	25.32
278	1221.35	25.20
279	1227.83	25.09
280	1231.62	25.05
281	1237.74	25.00
282	1241.89	24.94
283	1251.15	24.83
284	1251.42	24.82
285	1252.20	24.81
286	1253.92	24.77
287	1260.39	24.52
288	1262.96	24.45
289	1268.09	24.31
290	1273.72	24.15
291	1275.79	24.18
292	1280.99	24.26

Order	Station [ft]	Elevation [ft]
293	1283.49	24.29
294	1284.48	24.33
295	1286.78	24.37
296	1295.24	24.59
297	1298.89	24.79
298	1306.00	24.83
299	1306.59	24.79
300	1308.07	24.72
301	1316.76	24.28
302	1321.99	24.38
303	1327.52	24.33
304	1329.69	24.27
305	1335.15	24.58
306	1337.39	24.72
307	1338.29	24.75
308	1345.09	24.97
309	1349.05	25.37
310	1358.21	26.26
311	1359.81	26.31
312	1360.49	26.34
313	1362.22	26.16
314	1368.19	25.41
315	1370.57	25.43
316	1376.07	25.29
317	1381.33	25.32
318	1383.60	25.33
319	1389.30	25.39
320	1391.30	25.43
321	1392.09	25.43
322	1399.00	25.39
323	1402.85	25.34
324	1406.70	25.53
325	1413.61	25.58
326	1414.40	25.55
327	1416.38	25.44
328	1422.10	25.11
329	1424.37	25.26
330	1427.53	25.57
331	1429.77	25.17
332	1430.99	25.37
333	1431.76	25.30
334	1432.28	25.36
335	1432.67	25.39
336	1432.96	25.33
337	1433.19	25.38
338	1433.38	25.32
339	1433.53	25.32
340	1433.66	25.33
341	1433.77	25.30

Order	Station [ft]	Elevation [ft]
342	1433.87	25.30
343	1433.95	25.29
344	1434.02	25.29
345	1434.08	25.30
346	1434.14	25.31
347	1434.19	25.23
348	1434.24	25.29
349	1434.28	25.27
350	1434.32	25.25
351	1434.35	25.24
352	1434.39	25.28
353	1434.41	25.27
354	1434.44	25.25
355	1434.47	25.24
356	1434.49	25.26
357	1434.51	25.26
358	1434.53	25.25
359	1434.55	25.23
360	1434.57	25.24
361	1434.59	25.25
362	1434.60	25.26
363	1434.62	25.25
364	1434.63	25.19
365	1434.64	25.19
366	1434.66	25.20
367	1434.67	25.20
368	1434.68	25.19
369	1434.69	25.18
370	1434.70	25.20
371	1434.71	25.20
372	1434.72	25.19
373	1434.73	25.17
374	1434.74	25.18

Comment:

Weir Cross Section: OW-DS EAST-WETLAND 7

Scenario: Icpr3

Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	25.36
2	0.66	25.39
3	4.11	25.24
4	11.00	25.38

Order	Station [ft]	Elevation [ft]
5	12.28	25.38
6	17.09	25.47
7	20.46	25.50
8	21.35	25.47
9	28.63	25.33
10	31.70	25.20
11	37.00	25.12
12	42.05	25.16
13	51.10	26.44
14	52.40	26.45
15	53.15	26.48
16	55.97	26.88
17	61.32	27.21
18	62.74	27.22
19	65.20	26.97
20	73.09	25.17
21	79.30	24.90
22	83.44	24.59
23	85.84	24.64
24	93.79	25.06
25	94.84	25.07
26	104.14	25.05
27	107.51	25.12
28	114.49	24.90
29	118.53	25.03
30	124.83	25.30
31	133.72	25.62
32	134.87	25.63
33	135.18	25.63
34	135.71	25.62
35	145.53	25.33
36	149.81	25.58
37	155.88	25.65
38	157.41	25.66
39	159.37	25.67
40	166.28	25.31
41	171.49	24.78
42	176.69	24.38
43	178.80	24.34
44	187.09	24.34
45	193.43	24.50
46	197.50	24.56
47	207.54	24.89
48	207.83	24.90
49	207.91	24.90
50	208.06	24.90
51	218.32	24.84
52	222.70	24.93
53	228.73	24.84

Order	Station [ft]	Elevation [ft]
54	237.33	24.98
55	239.14	24.95
56	243.58	24.72
57	249.55	24.27
58	251.97	24.35
59	259.95	24.68
60	264.36	24.52
61	270.36	25.49
62	279.63	25.75
63	280.77	25.69
64	288.59	25.19
65	291.18	25.28
66	295.87	25.48
67	301.59	25.38
68	304.75	25.33
69	312.00	25.68
70	312.82	25.68
71	315.68	25.79
72	319.27	25.74
73	321.80	25.82
74	322.55	25.78
75	329.93	25.09
76	333.44	24.91
77	337.54	24.65
78	344.33	25.58
79	347.08	25.71
80	352.76	25.40
81	355.21	25.65
82	359.93	24.87
83	361.31	24.75
84	366.33	24.83
85	367.90	24.52
86	370.90	24.68
87	377.61	24.79
88	384.99	25.13
89	388.90	25.22
90	392.46	25.26
91	397.53	25.46
92	400.19	25.68
93	404.94	26.34
94	411.48	26.26
95	412.35	26.26
96	414.03	26.23
97	419.76	26.03
98	422.76	26.17
99	427.17	26.07
100	434.05	26.80
101	435.59	26.71
102	438.80	26.27

Order	Station [ft]	Elevation [ft]
103	442.15	25.83
104	444.98	25.78
105	449.92	25.50
106	455.65	25.20
107	457.70	25.15
108	463.21	25.05
109	466.32	25.04
110	468.15	25.10
111	476.99	25.47
112	485.14	25.60
113	487.66	25.64
114	491.90	25.41
115	496.58	25.08
116	498.33	25.11
117	504.36	25.31
118	508.99	25.42
119	519.12	25.56
120	519.66	25.58
121	519.91	25.58
122	520.59	25.58
123	527.69	25.44
124	530.33	25.44
125	535.47	25.21
126	541.00	25.27
127	543.24	25.32
128	549.27	25.51
129	551.67	25.57
130	553.09	25.55
131	562.34	25.53
132	570.08	25.68
133	573.01	25.66
134	577.96	25.75
135	582.13	25.74
136	583.68	25.77
137	587.07	25.94
138	589.85	26.01
139	594.32	26.03
140	602.37	25.57
141	604.26	25.45
142	604.92	25.48
143	612.10	25.76
144	615.51	25.95
145	622.61	26.13
146	625.58	26.26
147	626.12	26.28
148	631.80	26.14
149	637.02	26.13
150	639.40	26.06
151	644.89	26.14

Order	Station [ft]	Elevation [ft]
152	647.92	26.07
153	654.61	25.76
154	658.82	25.89
155	669.49	25.88
156	669.72	25.88
157	669.82	25.87
158	670.03	25.88
159	680.62	25.88
160	685.02	25.87
161	691.52	25.53
162	695.16	25.48
163	700.23	25.46
164	702.42	25.37
165	707.83	25.41
166	713.32	25.49
167	720.30	25.43
168	724.22	25.38
169	727.22	25.31
170	735.12	25.12
171	735.48	25.12
172	738.88	25.14
173	745.18	25.35
174	748.22	25.47
175	755.20	25.73
176	757.57	25.64
177	765.23	25.22
178	766.92	25.10
179	775.26	25.06
180	784.90	24.97
181	785.28	24.96
182	790.15	25.10
183	795.31	25.23
184	795.71	25.23
185	805.33	25.53
186	806.52	25.58
187	815.36	25.05
188	823.00	25.25
189	825.39	25.15
190	828.15	25.23
191	835.41	25.27
192	838.96	25.04
193	845.44	24.61
194	849.77	24.72
195	855.47	24.85
196	860.58	24.64
197	865.49	24.54
198	871.40	23.96
199	875.52	23.75
200	882.21	24.16

Order	Station [ft]	Elevation [ft]
201	885.55	24.46
202	888.43	24.61
203	895.57	25.79
204	903.83	25.89
205	905.60	26.09
206	907.12	26.04
207	915.62	26.29
208	916.47	26.24
209	925.65	26.72
210	928.12	26.74
211	935.68	26.66
212	936.27	26.64
213	945.70	26.87
214	947.08	26.91
215	955.73	26.83
216	963.21	26.87
217	965.76	26.98
218	972.55	26.64
219	975.78	26.59
220	979.52	26.52
221	985.81	26.30
222	990.33	26.78
223	995.84	26.40
224	1000.60	25.62
225	1005.86	24.80
226	1011.95	24.61
227	1015.89	24.42
228	1022.77	25.33
229	1025.91	25.62
230	1033.58	26.53
231	1035.94	26.53
232	1044.39	26.11
233	1045.97	26.01
234	1055.20	25.18
235	1055.99	25.24
236	1056.68	25.23
237	1066.02	24.71
238	1066.09	24.70
239	1075.37	24.04
240	1076.05	24.00
241	1076.81	23.99
242	1076.84	23.99
243	1086.71	24.08
244	1094.24	24.42
245	1097.42	24.56
246	1102.52	25.04
247	1106.57	25.37
248	1108.13	25.53
249	1114.31	25.78

Order	Station [ft]	Elevation [ft]
250	1118.85	26.03
251	1122.05	26.36
252	1129.56	26.95
253	1130.39	26.97
254	1137.53	26.82
255	1140.27	26.90
256	1146.44	26.35
257	1150.99	25.72
258	1158.27	25.18
259	1161.70	24.91
260	1163.84	24.95
261	1172.41	25.45
262	1181.24	25.58
263	1183.12	25.59
264	1183.96	25.58
265	1186.15	25.65
266	1193.84	26.00
267	1199.44	26.22
268	1204.55	26.14
269	1214.02	25.94
270	1214.92	25.92
271	1215.26	25.90
272	1222.66	26.02
273	1225.98	26.04
274	1230.40	25.90
275	1236.69	25.86
276	1238.14	25.89
277	1241.90	25.92
278	1247.40	25.95
279	1249.21	25.95
280	1250.02	25.95
281	1257.64	25.94
282	1258.71	25.95
283	1265.18	25.85
284	1267.78	25.82
285	1276.10	25.70
286	1277.91	25.70
287	1284.79	25.69
288	1288.05	25.79
289	1293.48	25.88
290	1298.19	25.96
291	1302.17	25.98
292	1308.33	26.12
293	1310.86	26.14
294	1318.46	25.97

Comment:

Weir Cross Section: OW-DS NORTH-WETLAND 2

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	26.63
2	0.08	26.63
3	2.73	26.62
4	8.75	26.19
5	15.18	25.63
6	16.89	25.53
7	27.62	25.43
8	30.20	25.48
9	33.69	25.46
10	40.06	25.50
11	44.50	25.57
12	50.50	26.04
13	52.50	26.11
14	58.19	26.09
15	64.94	25.99
16	67.31	25.89
17	73.10	24.93
18	77.38	25.59
19	80.25	25.65
20	84.12	25.80
21	87.40	25.88
22	89.82	26.19
23	94.55	26.37
24	100.93	25.64
25	102.27	25.50
26	108.85	25.77
27	114.71	25.91
28	115.99	25.95
29	117.73	25.96
30	127.15	25.76
31	130.29	25.62
32	131.67	25.61
33	133.49	25.59
34	137.95	25.54
35	144.16	25.40
36	149.94	25.39
37	153.50	25.41
38	154.83	25.37
39	157.73	25.42
40	165.50	25.52
41	169.06	25.66
42	176.17	26.09
43	176.83	26.06
44	178.62	25.95

Order	Station [ft]	Elevation [ft]
45	186.84	25.59
46	192.39	25.63
47	197.51	25.49
48	200.16	25.53
49	207.31	25.84
50	207.94	25.86
51	208.18	25.86
52	208.69	25.86
53	218.85	26.03
54	225.68	26.02
55	229.52	26.07
56	235.99	25.85
57	239.05	25.81
58	240.18	25.86
59	242.67	26.01
60	250.85	26.37
61	254.60	26.65
62	261.52	26.93
63	264.68	26.93
64	270.16	26.82
65	272.19	26.70
66	276.64	26.84
67	282.86	27.10
68	293.36	26.32
69	293.53	26.31
70	293.63	26.30
71	304.20	26.77
72	309.04	26.51
73	314.87	26.75
74	316.82	26.30
75	320.56	26.83
76	321.67	27.02
77	324.40	27.12
78	325.84	26.97
79	330.47	27.20
80	337.14	27.09
81	339.20	26.75
82	343.12	26.60
83	346.61	26.15
84	348.44	26.08
85	354.37	26.22
86	359.75	26.29
87	361.41	26.20
88	364.57	26.75
89	368.81	27.10
90	371.05	27.05
91	374.86	26.37
92	376.20	26.13
93	380.90	26.22

Order	Station [ft]	Elevation [ft]
94	387.94	26.19
95	392.50	26.00
96	399.00	26.09
97	404.10	26.04
98	405.42	26.02
99	405.78	26.02
100	406.75	26.02
101	408.55	25.99
102	416.82	25.97
103	423.29	26.23
104	426.90	26.19
105	431.50	25.96
106	436.97	25.71
107	442.98	25.81
108	447.04	25.56
109	450.22	25.80
110	457.12	26.47
111	465.94	27.30
112	467.19	27.27
113	468.18	27.19
114	476.20	27.26
115	476.81	27.24
116	477.46	27.19
117	490.71	27.27
118	491.22	27.28
119	491.74	27.24
120	498.29	26.57
121	504.71	26.22
122	505.36	26.23
123	506.03	26.21
124	512.44	26.67
125	518.72	26.86
126	519.51	26.91
127	520.31	26.84
128	526.58	26.12
129	532.72	27.39
130	533.65	27.52
131	534.60	27.67
132	534.99	27.59
133	536.22	27.71
134	543.60	27.57
135	545.84	27.48
136	553.86	26.74
137	559.22	26.36
138	564.13	26.21
139	572.61	26.09
140	574.40	26.00
141	580.30	26.26
142	584.67	26.50

Order	Station [ft]	Elevation [ft]
143	585.99	26.41
144	594.93	25.95
145	599.38	25.86
146	605.20	26.01
147	612.76	26.24
148	615.47	26.23
149	617.15	26.20
150	624.39	25.90
151	625.74	25.88
152	633.81	26.11
153	636.01	26.06
154	642.04	26.46
155	642.12	26.46
156	648.76	26.05
157	649.64	25.97
158	656.38	25.86
159	662.30	25.68
160	663.50	25.72
161	665.05	25.75
162	670.63	25.98
163	674.97	25.85
164	681.35	25.66
165	684.88	25.65
166	687.63	25.83
167	692.01	26.04
168	697.65	26.11
169	700.29	26.12
170	709.53	26.03
171	712.96	26.00
172	713.39	26.01
173	713.94	26.01
174	720.52	26.07
175	725.62	25.95
176	730.24	25.82
177	735.30	25.73
178	739.45	25.80
179	742.23	25.83
180	745.63	25.87
181	752.28	26.21
182	757.72	26.36
183	762.33	26.27
184	766.86	26.11
185	772.38	26.22
186	775.99	26.11
187	782.43	26.21
188	785.13	26.14
189	792.48	25.76
190	794.27	25.84
191	802.53	25.69

Order	Station [ft]	Elevation [ft]
192	803.40	25.64
193	812.16	25.50
194	812.58	25.49
195	812.63	25.49
196	822.63	25.66
197	830.81	25.50
198	832.68	25.49
199	834.96	25.64
200	842.73	25.82
201	846.12	25.82
202	852.78	26.00
203	857.29	26.10
204	862.83	26.12
205	868.45	25.87
206	872.88	25.89
207	879.62	25.95
208	882.93	25.86
209	884.99	25.80
210	890.74	25.70
211	892.88	25.62
212	894.05	25.63
213	900.25	25.66
214	905.44	25.54
215	907.62	25.50
216	911.60	25.47
217	914.99	25.40
218	916.84	25.41
219	923.14	25.33
220	928.23	25.26
221	932.46	25.25
222	939.63	25.22
223	944.46	25.15
224	951.02	25.19
225	953.32	25.22
226	962.41	25.34
227	966.57	25.39
228	973.81	25.63
229	973.94	25.63
230	974.18	25.63
231	981.31	25.35
232	985.20	25.55
233	988.68	25.77
234	995.04	25.96
235	996.05	25.98
236	996.60	26.01
237	998.48	26.02
238	1007.99	25.87
239	1010.79	25.90
240	1015.90	25.80

Order	Station [ft]	Elevation [ft]
241	1019.39	25.68
242	1025.52	25.63
243	1030.78	25.81
244	1032.89	25.78
245	1036.75	25.77
246	1042.18	25.83
247	1048.71	25.91
248	1053.57	26.04
249	1057.61	25.99
250	1062.37	25.92
251	1064.76	25.90
252	1064.98	25.90
253	1076.49	25.82
254	1077.05	25.83
255	1084.03	25.84
256	1089.13	25.95
257	1091.23	25.99
258	1094.34	25.92
259	1098.43	25.83
260	1101.20	25.90
261	1105.63	26.09
262	1112.19	25.90
263	1112.84	25.87
264	1113.27	25.86
265	1120.04	25.78
266	1125.35	25.79
267	1127.24	25.80
268	1130.04	25.85
269	1134.44	25.90
270	1137.42	25.93
271	1141.64	25.88
272	1147.88	25.95
273	1149.49	25.99
274	1156.04	25.99
275	1161.57	26.06
276	1163.25	26.07
277	1165.73	26.04
278	1170.45	25.94
279	1173.64	25.84
280	1177.65	25.75
281	1182.28	25.67
282	1184.15	25.63
283	1185.01	25.62
284	1185.36	25.62
285	1186.24	25.63
286	1196.21	25.70
287	1204.97	25.72
288	1207.06	25.74
289	1209.94	25.73

Order	Station [ft]	Elevation [ft]
290	1215.55	25.72
291	1217.91	25.73
292	1223.70	25.74
293	1228.76	25.71
294	1230.82	25.73
295	1235.72	25.80
296	1238.46	25.84
297	1239.61	25.77
298	1242.43	25.78
299	1250.46	25.65
300	1253.73	25.72
301	1261.31	25.84
302	1261.51	25.84
303	1269.00	25.89
304	1272.16	25.84
305	1276.64	25.89
306	1283.01	25.80
307	1284.28	25.73
308	1287.29	25.78
309	1291.91	25.84
310	1293.86	25.85
311	1299.55	25.84
312	1304.70	25.86
313	1307.18	25.87
314	1311.56	26.10
315	1315.28	26.20
316	1323.15	26.26
317	1325.38	26.20
318	1332.00	25.95
319	1335.47	25.96
320	1340.08	25.91
321	1345.57	25.76
322	1351.83	26.02
323	1355.67	25.91
324	1363.58	25.88
325	1365.77	25.93
326	1367.42	25.92
327	1375.87	25.48
328	1376.27	25.47
329	1379.13	25.50
330	1385.12	25.56
331	1385.97	25.54
332	1387.09	25.58
333	1396.06	25.89
334	1402.83	25.71
335	1406.16	25.76
336	1410.59	25.72
337	1416.26	25.73
338	1418.43	25.77

Order	Station [ft]	Elevation [ft]
339	1424.21	25.89
340	1426.84	25.89
341	1431.07	26.12
342	1435.75	26.44
343	1437.55	26.42
344	1443.50	26.16
345	1448.26	25.71
346	1458.94	25.48
347	1458.97	25.48
348	1459.01	25.48
349	1466.72	25.60
350	1469.68	25.60
351	1474.46	25.91
352	1479.71	26.24
353	1481.18	26.24
354	1487.92	26.10
355	1493.25	25.98
356	1498.99	25.89
357	1500.75	25.91
358	1504.44	25.92
359	1508.25	25.91
360	1510.07	25.92
361	1515.76	25.97
362	1521.14	26.09
363	1523.26	26.07
364	1527.70	25.83
365	1532.22	25.60
366	1538.26	25.54
367	1543.30	25.53
368	1545.77	25.55
369	1550.96	25.53
370	1553.27	25.51
371	1554.37	25.55
372	1560.77	25.74
373	1565.45	25.79
374	1574.22	25.73
375	1575.78	25.74
376	1576.52	25.72
377	1583.28	25.61
378	1587.60	25.52
379	1590.49	25.55
380	1594.11	25.55
381	1597.98	25.69
382	1603.73	25.74
383	1606.16	25.77
384	1612.39	25.78
385	1618.21	25.80
386	1619.60	25.83
387	1621.66	25.83

Order	Station [ft]	Elevation [ft]
388	1626.80	25.81
389	1630.26	25.80
390	1634.01	25.83
391	1639.58	25.80
392	1641.21	25.81
393	1642.31	25.82
394	1647.90	25.89
395	1654.36	25.97
396	1657.51	25.93
397	1666.41	25.95
398	1670.04	26.00
399	1673.72	26.25
400	1677.73	26.45
401	1677.86	26.45
402	1678.51	26.47
403	1686.34	26.73
404	1687.94	26.58
405	1694.82	26.65
406	1698.15	26.30
407	1703.30	25.96
408	1708.35	25.78
409	1711.77	25.74
410	1718.56	25.81
411	1720.25	25.60
412	1728.55	26.13
413	1728.73	26.13
414	1728.76	26.13
415	1736.52	26.04
416	1737.18	26.02
417	1739.01	25.97
418	1745.32	25.92
419	1749.37	26.03
420	1753.47	25.88
421	1759.74	26.19
422	1761.61	26.01
423	1768.49	26.14
424	1769.76	26.09
425	1770.10	26.08
426	1777.90	25.20
427	1780.47	25.21
428	1786.05	25.40
429	1790.83	25.51
430	1794.19	25.39
431	1801.19	25.60
432	1802.34	25.54
433	1806.52	25.93
434	1810.48	26.13
435	1811.56	26.08
436	1818.63	26.38

Order	Station [ft]	Elevation [ft]
437	1821.92	26.36
438	1826.77	26.08
439	1832.29	26.43
440	1834.92	26.21
441	1842.65	26.76
442	1843.06	26.72
443	1844.55	26.82
444	1851.21	26.54
445	1853.02	26.51
446	1856.19	26.54
447	1863.38	26.38
448	1867.50	25.76
449	1873.75	26.41
450	1875.64	26.31
451	1882.59	26.62
452	1883.79	26.56
453	1884.11	26.57
454	1891.93	26.13
455	1894.48	26.15
456	1898.93	26.29
457	1904.84	26.27
458	1908.22	25.98
459	1915.21	26.59
460	1916.37	26.54
461	1920.62	27.03
462	1925.57	27.00
463	1932.66	25.69
464	1935.94	25.83
465	1940.80	25.88
466	1946.30	26.06
467	1948.95	25.87
468	1956.67	26.57
469	1957.09	26.54
470	1958.65	26.71
471	1965.24	26.69
472	1967.03	26.66
473	1973.38	25.96
474	1977.40	26.22
475	1981.52	26.08
476	1987.76	26.45
477	1989.67	26.37
478	1996.68	27.08
479	1997.81	27.09
480	1998.12	27.08
481	2005.96	26.59
482	2008.49	26.65
483	2012.91	26.68
484	2018.85	26.15
485	2022.25	25.93

Order	Station [ft]	Elevation [ft]
486	2029.22	26.82
487	2030.39	26.99
488	2034.71	27.23
489	2038.54	27.14
490	2039.58	27.15
491	2046.68	26.44
492	2049.95	26.87
493	2055.66	27.40
494	2060.31	27.52
495	2062.97	27.33
496	2070.68	27.09
497	2071.12	27.04
498	2072.74	26.72
499	2079.26	25.05
500	2081.04	25.05
501	2087.41	25.17
502	2091.41	25.15
503	2098.40	26.00
504	2101.77	26.22
505	2103.70	26.14
506	2110.77	26.96
507	2112.14	27.00
508	2119.99	26.31
509	2122.50	26.48
510	2128.13	26.06
511	2132.87	26.47
512	2136.28	26.29
513	2143.23	26.87
514	2144.42	26.92
515	2148.80	27.14
516	2152.57	26.89
517	2153.60	26.96
518	2160.71	26.54
519	2163.96	26.94
520	2168.86	26.67
521	2174.33	27.04
522	2177.00	27.07
523	2180.37	27.28
524	2184.54	27.37
525	2186.12	27.34
526	2194.54	25.51
527	2203.31	25.84
528	2204.54	25.82
529	2213.52	26.30
530	2214.55	26.30
531	2215.53	26.32
532	2224.55	26.09
533	2225.33	26.09
534	2234.55	25.80

Order	Station [ft]	Elevation [ft]
535	2241.92	25.84
536	2243.48	25.83
537	2245.22	25.84
538	2257.73	26.00
539	2257.77	26.00
540	2257.90	26.00
541	2270.32	26.13
542	2274.28	26.22
543	2279.17	26.32
544	2282.88	26.27
545	2290.83	26.65
546	2293.44	26.71
547	2295.43	26.80
548	2307.37	26.56
549	2307.72	26.54
550	2307.98	26.54
551	2309.87	26.50
552	2320.53	26.29
553	2321.99	26.18
554	2323.92	26.18
555	2333.08	26.21
556	2340.47	26.21
557	2345.63	26.28
558	2350.54	26.40
559	2357.02	26.49
560	2358.18	26.49
561	2361.85	26.43
562	2370.73	26.27
563	2371.95	26.24
564	2372.74	26.25
565	2373.26	26.26
566	2375.79	26.37
567	2383.66	26.51
568	2388.04	26.44
569	2394.05	26.82
570	2403.44	27.32
571	2404.23	27.34
572	2404.45	27.36
573	2404.85	27.35
574	2414.85	26.82
575	2419.38	26.42
576	2425.24	25.99
577	2433.91	25.64
578	2435.64	25.59
579	2436.60	25.60
580	2440.00	25.59
581	2446.04	25.56
582	2448.44	25.63
583	2456.43	25.62

Order	Station [ft]	Elevation [ft]
584	2462.96	25.66
585	2466.83	25.78
586	2468.98	25.83
587	2476.55	25.69
588	2477.08	25.69
589	2477.23	25.68
590	2477.49	25.68
591	2487.62	25.49
592	2493.27	25.62
593	2496.69	25.61
594	2498.05	25.60
595	2501.19	25.65
596	2508.69	25.75
597	2509.84	25.76
598	2519.33	25.87
599	2524.74	25.72
600	2529.97	25.66
601	2532.41	25.67
602	2539.13	25.67
603	2540.61	25.69
604	2548.02	25.87
605	2551.25	25.95
606	2555.82	26.06
607	2561.89	26.18
608	2568.41	26.11
609	2571.43	26.06
610	2572.53	26.04
611	2574.87	26.00
612	2583.17	25.97
613	2587.04	26.03
614	2593.81	25.94
615	2594.84	25.96
616	2597.70	25.74
617	2602.65	25.53
618	2604.44	25.53
619	2610.45	25.47
620	2615.08	25.45
621	2618.26	25.44
622	2625.72	25.43
623	2626.06	25.43
624	2626.98	25.43
625	2636.36	25.41
626	2641.72	25.39
627	2647.00	25.36
628	2656.27	25.28
629	2657.64	25.28
630	2665.08	25.34
631	2668.28	25.32
632	2675.14	25.31

Order	Station [ft]	Elevation [ft]
633	2678.92	25.33
634	2685.55	25.46
635	2689.56	25.53
636	2691.85	25.51
637	2695.81	25.46

Comment:

Weir Cross Section: OW-DS WEST-WETLAND 4

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	26.06
2	2.10	26.13
3	11.28	26.55
4	12.51	26.58
5	13.20	26.64
6	15.56	26.75
7	19.25	26.93
8	21.67	27.05
9	22.78	27.08
10	31.33	27.47
11	32.79	27.45
12	40.99	27.75
13	42.79	27.70
14	50.65	27.86
15	52.80	28.01
16	60.31	27.33
17	62.81	27.35
18	65.49	27.25
19	72.81	27.15
20	79.63	26.89
21	82.82	26.77
22	86.24	26.60
23	92.83	26.24
24	96.62	26.18
25	102.83	26.14
26	108.62	26.30
27	112.84	26.41
28	118.28	26.55
29	122.84	26.68
30	127.75	26.80
31	132.85	26.95
32	134.78	27.01

Order	Station [ft]	Elevation [ft]
33	137.70	27.09
34	142.85	27.19
35	147.70	27.31
36	152.85	27.30
37	157.70	27.28
38	162.85	27.26
39	168.01	27.45
40	172.85	27.33
41	178.01	27.28
42	182.85	27.19
43	187.70	27.08
44	192.85	26.97
45	198.01	26.89
46	202.85	26.92
47	204.87	26.85
48	207.09	26.81
49	212.59	26.98
50	215.59	27.03
51	221.25	27.01
52	227.58	27.15
53	229.01	27.14
54	235.42	27.06
55	242.43	26.65
56	242.57	26.65
57	249.58	26.48
58	255.86	26.32
59	257.45	26.28
60	257.57	26.28
61	269.04	26.01
62	272.96	25.92
63	282.19	25.71
64	288.36	25.57
65	292.13	25.52
66	295.35	25.30
67	299.22	25.16
68	303.75	25.39
69	308.50	25.58
70	319.15	25.61
71	320.50	25.61
72	321.65	25.64
73	334.54	25.39
74	334.80	25.38
75	341.78	25.34
76	347.96	25.30
77	348.87	25.30
78	349.94	25.31
79	361.11	25.83
80	365.33	26.00
81	368.62	25.99

Order	Station [ft]	Elevation [ft]
82	370.22	25.98
83	373.42	25.98
84	383.00	25.58
85	384.60	25.51
86	386.20	25.48
87	395.78	25.28
88	400.04	25.27
89	406.96	25.25
90	408.54	25.24
91	414.94	25.16
92	418.14	25.31
93	423.94	25.60
94	429.60	25.89
95	429.66	25.89
96	429.70	25.89
97	441.54	26.44
98	444.15	26.38
99	448.22	26.03
100	453.42	25.64
101	458.63	25.66
102	465.31	25.75
103	466.74	25.78
104	473.10	25.92
105	477.19	26.01
106	480.34	26.08
107	485.26	26.15
108	489.07	26.19
109	495.89	26.32
110	500.95	26.40
111	503.78	26.45
112	509.29	26.45
113	512.83	26.71
114	516.53	26.81
115	519.47	26.92
116	522.63	27.04
117	523.84	27.03
118	524.50	27.01
119	526.79	27.00
120	535.92	26.72
121	543.37	26.56
122	547.33	26.47
123	552.18	26.36
124	558.75	26.20
125	564.11	26.44
126	570.16	26.70
127	577.58	26.52
128	581.58	26.46
129	582.74	26.39
130	584.85	26.26

Order	Station [ft]	Elevation [ft]
131	590.10	25.95
132	592.99	25.78
133	597.46	25.52
134	604.41	25.14
135	605.59	25.21
136	612.19	25.67
137	615.82	25.96
138	626.32	26.78
139	627.24	26.83
140	628.36	26.86
141	638.65	26.94
142	647.06	26.94
143	650.07	26.91
144	653.75	26.89
145	660.66	26.78
146	661.38	26.77
147	668.42	26.75
148	671.40	26.68
149	674.04	26.61
150	681.42	26.56
151	689.75	26.08
152	691.44	26.07
153	692.93	25.97
154	701.46	25.35
155	711.08	25.53
156	711.47	25.53
157	717.51	25.58
158	721.49	25.61
159	728.82	25.68
160	730.61	25.70
161	731.53	25.70
162	732.70	25.70
163	741.60	25.77
164	744.22	25.79
165	751.68	25.79
166	755.74	25.81
167	761.76	25.86
168	767.26	25.89
169	771.84	25.93
170	778.78	25.97
171	781.92	26.00
172	784.36	26.00
173	791.99	25.78
174	801.82	25.75
175	802.07	25.74
176	803.86	25.78
177	811.23	25.95
178	812.15	25.95
179	820.19	26.07

Order	Station [ft]	Elevation [ft]
180	822.23	26.12
181	828.54	26.03
182	829.04	26.02
183	832.74	26.06
184	843.70	26.07
185	843.89	26.07
186	843.99	26.07
187	851.32	25.82
188	855.24	25.90
189	865.55	26.18
190	866.48	26.18
191	867.47	26.22
192	877.73	26.17
193	881.02	26.20
194	887.40	26.88
195	888.98	26.93
196	890.65	26.87
197	900.22	26.35
198	903.29	26.35
199	909.25	26.33
200	909.69	26.33
201	910.79	26.32
202	911.35	26.31
203	918.72	26.27
204	921.87	26.25
205	928.03	26.18
206	932.38	26.13
207	934.60	26.09
208	941.43	25.70
209	942.89	25.63
210	950.47	25.77
211	953.41	25.73
212	958.41	25.39
213	963.92	25.66
214	966.35	25.80
215	973.83	25.38
216	974.44	25.35
217	974.73	25.36
218	984.95	25.64
219	990.16	25.90
220	995.46	26.52
221	1005.86	26.31
222	1005.98	26.31
223	1006.04	26.31
224	1006.22	26.31
225	1016.49	26.27
226	1021.91	26.33
227	1027.00	26.36
228	1036.99	26.25

Order	Station [ft]	Elevation [ft]
229	1037.52	26.25
230	1038.62	26.21
231	1045.72	25.91
232	1048.03	25.81
233	1052.55	25.80
234	1058.54	25.78
235	1068.12	25.53
236	1069.06	25.51
237	1071.01	25.41
238	1077.47	25.19
239	1079.57	25.16
240	1085.41	25.27
241	1090.08	25.27
242	1099.25	25.44
243	1100.60	25.46
244	1103.40	25.32
245	1111.11	25.05
246	1114.81	25.21
247	1121.62	25.42
248	1130.38	25.11
249	1132.14	25.14
250	1135.80	25.21
251	1140.97	25.27
252	1142.65	25.35
253	1148.91	25.18
254	1153.16	25.24
255	1161.51	24.72
256	1163.68	24.67
257	1168.19	24.84
258	1174.19	25.08
259	1177.07	25.20
260	1184.71	25.21
261	1188.60	25.28
262	1195.22	24.70
263	1196.53	24.70
264	1200.59	24.87
265	1205.73	25.06
266	1212.41	25.15
267	1216.25	25.35
268	1220.35	25.30
269	1226.76	25.50
270	1228.28	25.51
271	1232.98	25.24
272	1237.27	25.03
273	1244.16	25.09
274	1247.79	25.31
275	1254.90	25.19
276	1258.30	25.27
277	1265.37	25.01

Order	Station [ft]	Elevation [ft]
278	1268.81	24.83
279	1270.47	24.90
280	1279.33	25.10
281	1283.85	25.16
282	1289.84	25.47
283	1297.77	25.47
284	1300.35	25.42
285	1301.60	25.43
286	1310.87	25.48
287	1317.16	25.61
288	1320.51	25.57
289	1321.35	25.54
290	1329.77	24.84
291	1331.45	24.84
292	1332.97	25.00
293	1339.82	25.73
294	1341.60	25.91
295	1341.99	25.92
296	1351.76	25.65
297	1354.36	25.74
298	1357.26	25.82
299	1361.99	25.89
300	1363.57	25.92
301	1369.90	26.35
302	1372.29	26.44
303	1380.06	26.39
304	1382.60	26.19
305	1385.43	26.06
306	1386.48	26.05
307	1392.69	25.50
308	1398.58	25.06
309	1402.69	25.09
310	1408.34	25.22
311	1412.70	25.56
312	1417.28	25.67
313	1418.75	25.66
314	1422.86	25.73
315	1426.29	25.79
316	1433.26	25.50
317	1434.38	25.51
318	1438.30	25.53
319	1442.47	25.49
320	1443.66	25.51
321	1450.55	25.51
322	1454.06	25.59
323	1460.37	25.79
324	1464.46	25.84
325	1466.73	25.88
326	1474.68	26.16

Order	Station [ft]	Elevation [ft]
327	1474.86	26.16
328	1474.93	26.16
329	1485.26	25.98
330	1487.14	25.98
331	1490.42	25.96
332	1496.15	25.89
333	1502.94	25.80
334	1507.15	25.77
335	1513.37	25.89
336	1518.14	25.80
337	1520.01	25.81
338	1524.77	25.81
339	1530.47	25.83
340	1535.13	25.77
341	1541.20	25.78
342	1543.08	25.80
343	1549.27	25.94
344	1552.31	26.01
345	1553.89	26.03
346	1556.07	26.07
347	1557.58	26.09
348	1563.93	26.21
349	1567.67	26.20
350	1577.29	26.53
351	1578.54	26.56
352	1579.28	26.52
353	1582.13	26.61
354	1590.88	26.80
355	1593.15	26.70
356	1596.99	26.65
357	1602.49	26.60
358	1610.37	26.51
359	1614.10	26.41
360	1616.70	26.41
361	1622.36	26.41
362	1625.70	26.36
363	1636.40	26.53
364	1637.31	26.54
365	1638.61	26.52
366	1646.54	26.40
367	1651.42	26.45
368	1651.74	26.45
369	1651.89	26.45
370	1659.27	26.57
371	1662.90	26.66
372	1672.74	26.95
373	1673.91	26.97
374	1674.35	26.96
375	1675.29	26.94

Order	Station [ft]	Elevation [ft]
376	1684.93	26.35
377	1693.18	26.61
378	1695.94	26.56
379	1696.95	26.57
380	1699.15	26.65
381	1706.95	26.74
382	1713.63	26.76
383	1717.97	26.68
384	1719.56	26.69
385	1723.02	26.96
386	1728.98	27.01
387	1734.63	26.69
388	1739.99	26.81
389	1742.30	26.75
390	1747.15	26.78
391	1750.51	26.65
392	1755.26	26.67
393	1760.89	26.40
394	1770.91	25.97
395	1771.28	25.96
396	1771.48	25.95
397	1772.22	25.97
398	1781.66	26.00
399	1785.34	26.05
400	1792.05	25.85
401	1795.10	25.79
402	1798.02	25.72
403	1802.21	25.63
404	1807.04	25.58
405	1812.28	25.58
406	1816.07	25.57
407	1822.34	25.62
408	1825.09	25.61
409	1826.41	25.62

Comment:

Weir Cross Section: OW-DS WEST-WETLAND 5

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	44.65	25.06
2	48.15	25.53
3	49.18	25.66

Order	Station [ft]	Elevation [ft]
4	51.04	25.96
5	53.69	26.08
6	61.19	26.22
7	66.45	26.27
8	71.35	26.32
9	75.09	26.33
10	81.50	26.20
11	83.72	26.15
12	91.65	25.98
13	92.35	25.97
14	96.33	25.98
15	101.81	26.00
16	102.98	25.97
17	111.96	25.83
18	115.30	25.84
19	122.12	25.86
20	127.62	25.89
21	132.27	25.91
22	139.94	25.98
23	142.42	26.00
24	152.26	26.07
25	152.58	26.07
26	154.05	26.07
27	161.43	26.04
28	162.73	26.04
29	170.07	26.00
30	172.88	25.98
31	178.70	25.95
32	183.04	25.98
33	189.23	26.07
34	193.19	26.11
35	195.97	26.11
36	203.34	25.99
37	204.60	25.97
38	211.77	25.86
39	213.24	25.83
40	213.50	25.83
41	221.87	25.85
42	223.65	25.85
43	230.51	25.85
44	233.80	25.85
45	239.14	25.74
46	243.96	25.72
47	250.83	25.75
48	254.11	25.79
49	263.15	25.89
50	264.27	25.90
51	265.05	25.90
52	269.48	25.94

Order	Station [ft]	Elevation [ft]
53	273.68	25.97
54	274.42	25.97
55	282.31	25.91
56	284.57	25.90
57	290.95	25.83
58	294.73	25.77
59	300.11	25.45
60	304.88	25.35
61	312.44	25.40
62	315.03	25.27
63	316.85	25.33
64	325.19	25.71
65	327.20	25.79
66	334.12	26.07
67	335.34	26.05
68	342.76	25.70
69	345.49	25.56
70	351.39	25.36
71	355.65	25.52
72	361.72	25.59
73	365.80	25.67
74	368.66	25.65
75	375.95	25.45
76	377.29	25.41
77	384.91	25.40
78	385.93	25.39
79	386.11	25.40
80	394.56	24.59
81	396.26	24.40
82	403.20	23.68
83	406.42	23.31
84	411.83	23.65
85	416.57	24.06
86	420.47	24.50
87	426.72	25.22
88	429.10	25.19
89	436.88	25.43
90	437.74	25.33
91	442.63	24.41
92	446.37	23.75
93	447.03	23.63
94	447.97	23.53
95	457.18	23.38
96	463.64	23.33
97	467.34	23.51
98	472.28	23.49
99	477.49	23.43
100	480.91	23.51
101	487.64	23.18

Order	Station [ft]	Elevation [ft]
102	489.54	23.22
103	497.80	23.38
104	498.18	23.36
105	500.35	23.34
106	506.81	23.31
107	507.95	23.26
108	515.45	23.01
109	518.10	22.95
110	521.89	22.98
111	528.26	23.05
112	532.72	23.10
113	538.41	23.22
114	541.35	23.23
115	548.56	23.06
116	549.99	23.04
117	558.06	23.11
118	558.72	23.14
119	567.26	23.53
120	568.87	23.45
121	575.89	23.60
122	579.03	23.60
123	583.50	23.41
124	589.18	23.47
125	593.16	23.66
126	599.33	23.76
127	601.79	23.69
128	609.49	23.54
129	615.78	23.32
130	619.06	23.28
131	619.64	23.30
132	620.46	23.30
133	629.79	23.78
134	636.33	23.99
135	639.95	23.92
136	644.97	23.94
137	650.10	24.14
138	653.60	24.25
139	660.25	24.67
140	662.24	24.73
141	670.41	24.94
142	670.87	24.96
143	673.50	25.02
144	679.50	25.13
145	680.56	25.11
146	688.14	26.32
147	690.71	26.45
148	696.77	25.62
149	700.87	25.49
150	705.41	25.70

Order	Station [ft]	Elevation [ft]
151	711.02	25.85
152	714.04	26.33
153	721.18	26.45
154	722.68	26.23
155	731.21	26.10
156	731.31	26.10
157	731.33	26.10
158	731.35	26.10
159	741.48	23.77
160	748.58	24.13
161	751.64	24.23
162	756.00	24.14
163	761.79	24.43
164	768.32	24.80
165	771.94	25.21
166	780.64	25.02
167	782.10	25.16
168	788.93	24.60
169	791.75	24.42
170	792.25	24.44
171	800.39	25.71
172	802.40	25.69
173	809.02	26.71
174	812.56	26.87
175	817.66	27.54
176	822.71	28.05
177	826.29	26.62
178	832.86	26.15
179	842.24	25.60
180	843.02	25.56
181	846.65	25.26
182	852.20	24.63
183	853.17	24.67
184	854.56	24.73
185	863.33	24.67
186	869.46	24.85
187	873.48	24.79
188	878.10	25.18
189	883.63	25.31
190	886.73	25.42
191	893.79	25.79
192	895.37	25.66
193	903.94	26.28
194	904.00	26.29
195	904.36	26.26
196	912.64	25.50
197	914.09	25.54
198	921.27	26.13
199	924.25	26.20

Order	Station [ft]	Elevation [ft]
200	929.91	26.39
201	934.40	26.22
202	938.54	26.62
203	944.55	26.55
204	953.13	25.90
205	954.71	25.71
206	955.81	25.41
207	962.08	23.77
208	964.86	23.15
209	965.45	23.16
210	975.01	24.92
211	977.78	25.40
212	985.17	26.32
213	990.35	26.58
214	995.32	26.83
215	998.98	26.61
216	1000.62	26.53
217	1002.67	26.55
218	1007.31	26.63
219	1013.50	26.13
220	1017.34	25.83
221	1024.32	25.29
222	1027.37	25.01
223	1035.15	24.87
224	1037.39	24.90
225	1045.98	24.89
226	1047.42	24.86
227	1048.66	24.84
228	1057.45	24.70
229	1058.00	24.69
230	1065.45	24.59
231	1067.48	24.56
232	1067.64	24.56
233	1077.50	24.42
234	1078.47	24.44
235	1087.53	24.76
236	1089.30	24.78
237	1097.56	25.84
238	1100.12	25.78
239	1107.59	24.89
240	1110.95	24.88
241	1117.61	24.84
242	1121.78	24.79
243	1127.64	24.66
244	1132.61	24.80
245	1137.67	24.86
246	1142.03	24.71
247	1147.70	24.35
248	1154.27	24.91

Order	Station [ft]	Elevation [ft]
249	1157.72	24.83
250	1165.10	26.39
251	1167.75	26.74
252	1170.04	26.71
253	1177.78	26.54
254	1186.75	24.72
255	1187.80	24.68
256	1197.58	24.46
257	1197.83	24.44
258	1198.05	24.44
259	1200.98	24.63
260	1207.39	25.00
261	1207.86	25.05
262	1208.41	25.07
263	1217.89	26.83
264	1220.70	26.95
265	1226.10	27.20
266	1227.91	27.11
267	1229.97	27.14
268	1237.93	26.42
269	1244.92	24.91
270	1247.95	24.84
271	1254.32	24.77
272	1257.97	24.42
273	1262.13	24.38
274	1267.99	24.44
275	1272.85	24.42
276	1278.02	24.39
277	1282.55	24.48
278	1288.04	24.60
279	1294.29	24.29
280	1298.06	24.10
281	1305.01	23.92
282	1308.08	23.87
283	1310.77	23.83
284	1318.10	23.89
285	1326.45	23.70
286	1328.12	23.64
287	1329.59	23.90
288	1338.14	26.00
289	1339.00	25.90
290	1348.16	27.19
291	1352.07	27.20
292	1358.19	26.99
293	1358.61	26.98
294	1368.21	26.36
295	1376.63	25.49
296	1378.23	25.52
297	1386.04	25.51

Order	Station [ft]	Elevation [ft]
298	1388.25	25.52
299	1390.77	25.36
300	1398.27	24.94
301	1401.49	25.29
302	1408.29	25.70
303	1412.21	25.89
304	1418.31	26.07
305	1422.93	25.89
306	1428.33	25.71
307	1433.08	25.04
308	1438.36	24.83
309	1442.48	24.78
310	1448.38	24.15
311	1455.09	23.98
312	1458.40	23.82
313	1465.81	23.83
314	1468.42	23.88
315	1476.53	23.93
316	1478.44	23.94
317	1480.12	23.85
318	1488.46	23.65
319	1497.97	23.78
320	1498.48	23.79
321	1505.82	23.73
322	1508.50	23.71
323	1517.75	24.51
324	1518.53	24.61
325	1519.41	24.58
326	1528.55	24.47
327	1536.56	25.36
328	1538.57	25.46
329	1540.85	25.65
330	1548.59	26.10
331	1551.57	25.88
332	1558.61	25.77
333	1564.79	25.17
334	1568.63	25.01
335	1573.01	25.53
336	1578.65	25.49
337	1583.73	25.65
338	1588.67	25.93
339	1594.45	25.76
340	1598.69	25.70
341	1602.42	25.31
342	1608.72	24.42
343	1615.89	24.32
344	1618.74	24.32
345	1626.61	24.14
346	1628.76	24.15

Order	Station [ft]	Elevation [ft]
347	1637.33	24.14
348	1638.78	24.16
349	1648.05	24.09
350	1648.80	24.06
351	1658.77	24.16
352	1658.82	24.16
353	1659.57	24.17
354	1668.28	24.34
355	1668.84	24.37
356	1669.49	24.37
357	1678.86	24.83
358	1680.21	24.92
359	1688.89	25.11
360	1690.93	25.34
361	1698.91	26.50
362	1701.65	26.60
363	1708.93	27.12
364	1715.32	25.89
365	1718.95	25.83
366	1723.09	25.27
367	1728.97	24.93
368	1734.13	24.83
369	1738.99	24.80
370	1744.53	24.20
371	1749.01	23.94
372	1752.95	23.78
373	1759.03	23.65
374	1762.36	23.61
375	1769.06	23.67
376	1771.76	23.73
377	1779.08	23.77
378	1787.41	24.06
379	1789.10	24.10
380	1798.13	25.61
381	1799.12	25.65
382	1799.59	25.61
383	1806.49	24.78
384	1809.58	24.52
385	1815.48	24.68
386	1820.05	24.40
387	1822.45	24.45
388	1830.11	24.64
389	1830.53	24.65
390	1838.41	24.48
391	1841.01	24.57
392	1846.39	24.78
393	1851.48	24.63
394	1854.38	24.63
395	1861.96	25.57

Order	Station [ft]	Elevation [ft]
396	1862.36	25.58
397	1863.63	25.56
398	1870.34	25.13
399	1872.44	25.40
400	1878.32	25.46
401	1882.92	24.99
402	1891.69	25.02
403	1893.39	25.08
404	1894.29	25.04
405	1897.14	25.07
406	1903.87	25.12
407	1910.25	25.08
408	1914.35	25.22
409	1918.23	25.27
410	1924.83	25.15
411	1926.21	25.16
412	1930.65	25.25
413	1935.30	25.33
414	1942.18	25.46
415	1943.73	25.56
416	1945.72	25.67
417	1953.72	25.25
418	1955.88	25.10
419	1965.66	24.82
420	1966.04	24.81
421	1966.13	24.81
422	1976.21	25.45
423	1983.20	25.49
424	1986.37	25.53
425	1990.94	25.53
426	1996.53	25.52
427	2003.35	25.54
428	2006.69	25.57
429	2015.76	25.64
430	2016.86	25.64
431	2021.84	25.65
432	2027.02	25.66
433	2034.83	25.57
434	2037.18	25.56
435	2040.57	25.54
436	2041.39	25.54
437	2047.00	25.53
438	2049.93	25.52
439	2050.46	25.52
440	2063.02	25.34
441	2065.95	25.31
442	2076.12	25.32
443	2081.44	25.25
444	2089.21	25.15

Order	Station [ft]	Elevation [ft]
445	2096.93	25.05
446	2102.31	25.00
447	2112.42	24.91
448	2114.03	24.88
449	2115.40	24.85
450	2121.13	24.74
451	2127.91	24.57
452	2128.23	24.56
453	2128.50	24.56
454	2135.32	24.47
455	2141.59	24.47
456	2143.39	24.47
457	2154.69	24.47
458	2158.88	24.52
459	2167.78	24.67
460	2174.37	25.13
461	2180.88	25.62
462	2189.86	25.40
463	2193.97	25.24
464	2205.35	25.35
465	2207.07	25.35
466	2216.48	25.03
467	2220.16	24.91
468	2220.84	24.89
469	2233.26	24.56
470	2236.33	24.45
471	2241.76	24.33
472	2246.35	24.39
473	2251.81	24.49
474	2255.95	24.62
475	2259.45	24.65
476	2267.30	25.03
477	2270.14	25.11
478	2272.54	25.24
479	2277.24	25.43
480	2280.03	25.60
481	2284.46	25.87
482	2284.99	25.89
483	2286.94	25.87
484	2294.81	25.88
485	2297.68	25.94
486	2305.16	26.08
487	2311.81	25.73
488	2315.52	25.55
489	2325.67	25.34
490	2325.83	25.33
491	2325.87	25.33
492	2333.99	26.35
493	2336.22	26.39

Order	Station [ft]	Elevation [ft]
494	2342.16	25.51
495	2346.57	25.70
496	2354.19	25.92
497	2356.11	26.04
498	2356.94	26.09
499	2358.40	26.02
500	2362.47	26.06
501	2366.22	25.90
502	2367.56	25.87
503	2370.40	25.75
504	2378.18	25.17
505	2381.86	25.05
506	2388.80	25.06
507	2392.16	25.00
508	2399.42	24.89
509	2405.33	25.07
510	2410.04	25.28
511	2420.00	25.63
512	2420.66	25.65
513	2420.98	25.63
514	2421.85	25.75
515	2429.64	26.11
516	2431.38	26.17
517	2436.26	25.67
518	2442.64	25.50
519	2443.68	25.39
520	2445.71	25.54
521	2453.89	25.83
522	2458.53	25.80
523	2465.15	25.96
524	2467.50	25.97
525	2476.40	25.69
526	2485.92	25.80
527	2487.66	25.79
528	2489.29	25.86
529	2498.92	25.79
530	2509.21	25.78
531	2510.17	25.73
532	2511.07	25.72
533	2521.43	25.33
534	2532.49	25.45
535	2532.68	25.45
536	2532.86	25.46
537	2540.17	25.78
538	2543.94	25.64
539	2547.59	25.15
540	2554.65	26.21
541	2555.19	26.24
542	2555.77	26.28

Order	Station [ft]	Elevation [ft]
543	2566.45	26.48
544	2571.06	26.37
545	2574.93	26.28
546	2577.01	26.04
547	2578.73	26.00
548	2584.11	25.46
549	2590.59	26.11
550	2591.21	26.13
551	2591.72	26.09
552	2598.31	25.66
553	2604.71	27.12
554	2605.41	27.06
555	2606.25	27.14
556	2612.51	26.85
557	2617.71	26.52
558	2621.92	26.26
559	2630.70	25.66
560	2637.58	25.80
561	2643.69	25.80
562	2653.25	26.02
563	2656.68	26.10
564	2662.23	25.48
565	2668.91	25.03
566	2669.67	24.98
567	2673.36	24.92
568	2682.66	24.70
569	2683.53	24.73
570	2684.58	24.87
571	2690.63	25.60
572	2695.66	26.45
573	2700.24	26.55
574	2704.84	25.77
575	2708.65	25.91
576	2715.91	25.93
577	2721.62	25.86
578	2721.66	25.86
579	2728.55	25.49
580	2733.85	25.51
581	2739.45	25.67
582	2746.72	25.54
583	2750.36	25.58
584	2756.85	25.62
585	2761.27	25.47
586	2764.45	25.47
587	2771.78	25.42
588	2772.17	25.42
589	2772.47	25.42
590	2783.08	25.49
591	2791.78	25.55

Order	Station [ft]	Elevation [ft]
592	2793.98	25.60
593	2794.85	25.61
594	2796.84	25.62
595	2802.45	25.66
596	2804.89	25.68
597	2811.09	25.74
598	2812.74	25.75
599	2813.98	25.75
600	2816.54	25.73
601	2822.84	25.71
602	2826.95	25.72
603	2828.62	25.74
604	2837.36	25.84
605	2842.18	25.83
606	2847.77	26.02
607	2857.90	26.36
608	2858.18	26.37
609	2858.85	26.39
610	2860.79	26.39
611	2865.75	26.30
612	2870.27	26.18
613	2872.87	26.12
614	2876.24	26.19
615	2880.00	26.25
616	2882.92	26.21
617	2887.13	26.13
618	2892.56	26.07
619	2895.57	26.20
620	2901.38	26.53
621	2908.23	27.42
622	2908.88	27.41
623	2915.64	26.26
624	2920.88	26.56
625	2925.20	26.44
626	2933.53	26.16
627	2941.53	25.80
628	2944.15	25.49
629	2946.18	25.64
630	2957.85	25.92
631	2958.84	25.90
632	2962.24	25.98
633	2971.49	25.89
634	2974.17	26.07
635	2979.79	26.08
636	2984.14	26.10
637	2990.49	26.24
638	2994.04	26.25
639	2996.79	26.22
640	3001.17	25.93

Order	Station [ft]	Elevation [ft]
641	3006.81	26.49
642	3008.30	26.51
643	3009.45	26.52
644	3013.26	26.64
645	3014.68	26.73
646	3020.57	26.80
647	3029.86	26.73
648	3031.04	26.63
649	3031.67	26.64
650	3033.68	26.66
651	3041.52	26.40
652	3047.65	26.19
653	3051.99	26.50
654	3055.64	26.32
655	3062.46	26.73
656	3063.63	26.70
657	3067.42	26.58
658	3071.62	26.13
659	3072.93	26.08
660	3079.61	25.47
661	3083.40	25.13
662	3087.60	24.94
663	3093.87	25.04
664	3095.59	25.00
665	3101.16	25.40
666	3104.34	25.57
667	3111.58	26.03
668	3114.81	26.19
669	3120.95	26.15
670	3125.28	26.03
671	3134.90	26.43
672	3135.75	26.47
673	3136.13	26.49
674	3146.22	26.98
675	3151.31	27.14
676	3156.69	27.05
677	3159.52	27.29
678	3167.16	26.89
679	3168.64	26.86
680	3175.50	26.68
681	3177.63	26.55
682	3181.68	26.73
683	3188.10	27.22
684	3191.48	26.88
685	3198.57	26.83
686	3202.38	26.32
687	3209.04	25.41
688	3215.45	25.59
689	3219.51	25.52

Order	Station [ft]	Elevation [ft]
690	3219.77	25.52
691	3223.48	25.63
692	3230.47	25.96
693	3231.04	25.95
694	3232.30	25.85
695	3241.44	25.19
696	3246.16	25.26
697	3252.41	25.27
698	3256.62	25.44
699	3261.28	25.64
700	3263.38	25.67
701	3268.95	26.31
702	3274.36	26.72
703	3276.40	26.85
704	3280.93	27.09
705	3283.96	27.17
706	3285.33	27.23
707	3288.94	27.12
708	3289.94	27.10
709	3290.67	27.08
710	3296.49	27.06
711	3305.31	26.64
712	3306.90	26.56
713	3310.80	26.42
714	3317.31	26.21
715	3323.93	26.50
716	3327.72	26.41
717	3334.60	26.47
718	3338.13	26.51
719	3340.08	26.39
720	3346.81	26.62
721	3348.15	26.64
722	3348.54	26.65
723	3356.23	26.03
724	3358.95	25.94
725	3364.30	25.96
726	3367.25	26.06

Comment:

Weir Cross Section: OW-OFFSITE2-WETLAND 1

Scenario: Icpr3

Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
0	0.00	26.32
1	22.36	25.55
2	44.72	25.44
3	67.08	25.44
4	89.44	25.56
5	111.80	25.55
6	134.16	25.44
7	156.52	25.67
8	178.89	25.94
9	201.25	25.62
10	223.61	25.80
11	245.97	25.54
12	268.33	25.60
13	290.59	25.48
14	313.05	25.56
15	335.41	25.49
16	357.77	25.26
17	380.13	25.19
18	402.49	25.40
19	424.85	25.30
20	447.21	25.16
21	469.57	25.30
22	491.93	25.37
23	514.30	25.31
24	536.66	25.51
25	559.02	25.62
26	581.82	25.49
27	603.74	25.44
28	626.10	25.29
29	648.46	25.44
30	670.82	25.73
31	693.18	25.33
32	715.54	25.59
33	737.90	25.69
34	760.26	25.26

Comment:

Weir Cross Section: OW-WETLAND 2-DS EAST

Scenario: Icpr3

Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	25.61
2	3.84	25.74

Order	Station [ft]	Elevation [ft]
3	6.99	25.79
4	8.05	25.79
5	14.87	25.26
6	18.61	25.48
7	22.64	25.40
8	27.16	25.58
9	35.39	25.49
10	38.60	25.45
11	44.81	25.39
12	49.11	25.23
13	49.92	25.22
14	53.23	25.48
15	59.92	25.48
16	63.14	25.47
17	69.92	25.83
18	73.05	25.63
19	79.92	25.74
20	82.96	25.92
21	89.92	26.59
22	97.01	26.68
23	99.93	26.41
24	107.10	26.32
25	109.93	26.36
26	112.70	26.50
27	119.93	26.68
28	127.29	26.52
29	129.93	26.40
30	137.38	26.71
31	139.93	26.56
32	142.43	26.84
33	149.93	26.68
34	152.34	26.83
35	159.93	27.15
36	167.65	26.94
37	169.93	26.71
38	172.17	26.71
39	179.93	26.76
40	182.08	26.74
41	189.93	26.23
42	191.99	26.19
43	199.93	25.49
44	208.01	25.72
45	209.93	25.64
46	218.10	25.90
47	219.93	26.01
48	228.19	26.53
49	229.93	26.64
50	231.64	26.52
51	239.93	26.56

Order	Station [ft]	Elevation [ft]
52	241.55	26.59
53	249.93	26.58
54	251.46	26.63
55	259.93	26.41
56	261.37	26.27
57	269.93	25.90
58	278.65	26.43
59	279.93	26.46
60	288.74	26.72
61	289.93	26.80
62	298.83	26.92
63	299.93	26.82
64	301.02	26.79
65	309.93	26.45
66	310.93	26.48
67	319.93	25.50
68	329.10	26.66
69	329.93	26.66
70	330.75	26.69
71	335.92	26.62
72	339.93	26.56
73	340.69	26.57
74	349.93	26.04
75	350.66	26.00
76	359.93	25.37
77	369.27	26.16
78	369.94	26.20
79	370.60	26.20
80	379.94	26.27
81	380.57	26.25
82	389.94	26.65
83	390.54	26.65
84	399.94	26.94
85	409.39	26.65
86	409.94	26.64
87	410.48	26.63
88	419.94	26.51
89	420.45	26.49
90	429.94	26.91
91	439.48	26.35
92	439.94	26.35
93	440.39	26.35
94	449.94	25.51
95	450.36	25.53
96	459.94	25.24
97	469.57	25.89
98	469.94	25.89
99	470.30	25.86
100	479.94	25.92

Order	Station [ft]	Elevation [ft]
101	480.27	25.92
102	489.94	25.99
103	490.24	25.99
104	499.94	25.96
105	500.21	25.95
106	509.94	25.74
107	510.18	25.74
108	519.94	25.80
109	520.15	25.81
110	529.94	25.83
111	530.12	25.83
112	539.94	25.12
113	540.09	25.11
114	549.94	24.58
115	559.84	24.66
116	559.94	24.66
117	560.03	24.67
118	569.94	25.89
119	570.00	25.89
120	579.94	25.74
121	579.97	25.74
122	589.94	24.51
123	589.94	24.51
124	591.88	24.44
125	599.91	24.14
126	599.94	24.14
127	609.88	24.07
128	609.94	24.07
129	619.85	24.02
130	619.94	24.02
131	629.82	24.00
132	629.94	23.99
133	639.79	24.11
134	639.94	24.12
135	649.76	24.48
136	649.94	24.49
137	659.73	24.97
138	659.94	24.98
139	660.14	24.98
140	669.94	25.40
141	679.67	24.52
142	679.94	24.51
143	689.64	24.19
144	689.94	24.17
145	699.61	24.42
146	699.94	24.43
147	709.58	24.68
148	709.94	24.68
149	719.55	25.24

Order	Station [ft]	Elevation [ft]
150	719.94	25.24
151	720.32	25.26
152	729.94	25.36
153	739.49	25.57
154	739.94	25.58
155	740.38	25.58
156	749.94	25.87
157	759.43	26.02
158	759.94	26.02
159	760.44	26.04
160	762.90	26.03
161	766.57	26.09
162	772.81	26.07
163	776.14	26.09
164	783.27	26.12
165	784.16	26.10
166	787.09	26.04
167	793.72	25.89
168	800.19	25.91
169	800.92	25.92
170	804.17	25.92
171	814.48	25.91
172	814.61	25.91
173	814.91	25.91
174	825.05	25.90
175	829.40	25.90
176	835.49	25.90
177	838.77	25.88
178	845.93	25.85
179	849.68	25.90
180	856.37	26.03
181	859.24	26.10
182	866.81	26.25
183	870.89	26.31
184	877.25	26.46
185	884.46	26.22
186	886.95	26.10
187	887.69	26.09
188	889.08	26.09
189	898.13	26.03
190	903.01	26.11
191	908.58	26.18
192	911.04	26.18
193	919.02	26.17
194	919.07	26.17
195	919.23	26.17
196	929.04	26.04
197	929.52	26.03
198	931.37	25.97

Order	Station [ft]	Elevation [ft]
199	934.24	25.88
200	941.42	25.74
201	952.67	25.70
202	953.32	25.70
203	960.30	25.67
204	965.23	25.70
205	967.53	25.71
206	971.11	25.74
207	977.13	25.81
208	982.00	25.84
209	989.03	25.86
210	989.23	25.86
211	989.54	25.86
212	996.47	25.85
213	1000.94	25.84
214	1007.98	25.84
215	1012.84	25.85
216	1021.70	25.87
217	1024.74	25.88
218	1025.40	25.86
219	1026.41	25.84
220	1032.63	25.59
221	1036.65	25.51
222	1039.86	25.56
223	1044.85	25.80
224	1048.55	25.98
225	1054.33	26.06
226	1060.45	25.81
227	1061.56	25.78
228	1063.28	25.79
229	1072.36	25.82
230	1076.03	26.00
231	1079.97	25.99
232	1084.38	26.11
233	1089.05	26.46
234	1095.71	26.58
235	1096.60	26.56
236	1098.72	26.51
237	1108.83	26.28
238	1113.09	26.08
239	1121.05	25.97
240	1124.94	25.82
241	1130.47	25.70
242	1133.28	25.64
243	1139.92	25.63
244	1145.50	25.64
245	1147.86	25.66
246	1157.73	25.72
247	1160.83	25.70

Order	Station [ft]	Elevation [ft]
248	1165.24	25.84
249	1168.01	25.86
250	1169.95	25.95
251	1172.48	25.93
252	1179.12	25.85
253	1189.10	26.26
254	1190.50	26.25
255	1197.38	25.82
256	1201.88	25.63
257	1210.06	24.84
258	1212.13	24.68
259	1213.26	24.91
260	1219.51	26.46
261	1224.64	26.91
262	1226.88	26.84
263	1231.01	26.57
264	1236.02	26.18
265	1241.63	26.14
266	1247.40	26.08
267	1251.97	26.01
268	1258.78	25.93
269	1263.76	25.81
270	1270.16	25.78
271	1271.13	25.79
272	1272.92	25.77
273	1278.50	25.65
274	1279.62	25.65
275	1281.30	25.67
276	1288.06	25.56
277	1291.30	25.57
278	1294.58	25.61
279	1301.30	25.71
280	1307.96	25.66
281	1311.30	25.65
282	1317.91	25.81
283	1321.30	25.85
284	1327.86	25.81
285	1331.30	25.83
286	1334.78	25.80
287	1341.30	25.88
288	1347.76	25.77
289	1351.30	25.98
290	1357.71	26.04
291	1361.30	25.86
292	1364.94	26.07
293	1371.30	26.37
294	1377.61	26.19
295	1381.30	26.15
296	1387.56	26.17

Order	Station [ft]	Elevation [ft]
297	1391.30	26.21
298	1395.09	26.33
299	1401.30	26.80
300	1404.72	26.87
301	1406.72	26.91
302	1412.44	26.71
303	1413.99	26.56
304	1416.51	26.42
305	1424.17	25.89
306	1435.64	25.60
307	1435.91	25.60
308	1443.08	25.63
309	1447.64	25.57
310	1450.35	25.52
311	1454.77	25.45
312	1459.37	25.52
313	1466.67	25.79
314	1471.10	25.93
315	1472.16	25.94
316	1473.89	26.05
317	1479.43	26.31
318	1482.83	26.32
319	1486.70	26.35
320	1493.02	26.70
321	1494.56	26.73
322	1497.01	26.57
323	1506.29	26.02
324	1512.14	26.19
325	1515.79	26.38
326	1518.02	26.46
327	1527.36	26.30
328	1529.76	26.25
329	1531.27	26.20
330	1541.49	25.75
331	1544.87	25.74
332	1550.39	25.79
333	1552.14	25.81
334	1553.22	25.76
335	1557.70	25.82
336	1564.95	25.73
337	1566.69	25.81
338	1569.52	25.87
339	1573.96	25.92
340	1576.68	25.91
341	1588.04	25.89
342	1588.41	25.89
343	1588.50	25.89
344	1588.65	25.90
345	1595.77	26.30

Order	Station [ft]	Elevation [ft]
346	1600.14	26.24
347	1603.04	26.19
348	1607.77	26.05
349	1611.87	25.96
350	1618.38	25.91
351	1623.61	25.81
352	1624.86	25.80
353	1626.90	25.71
354	1635.34	25.60
355	1646.02	25.90
356	1647.07	25.91
357	1647.24	25.91
358	1660.64	25.61
359	1661.02	25.61
360	1667.90	25.59
361	1674.94	25.49
362	1675.00	25.49
363	1677.58	25.59
364	1688.99	26.05
365	1689.12	26.06
366	1689.25	26.06
367	1702.97	25.70
368	1703.56	25.70
369	1716.95	26.90
370	1717.40	26.92
371	1717.86	26.91
372	1724.47	26.59
373	1730.94	26.05
374	1732.17	26.09
375	1738.62	26.41
376	1744.92	26.30
377	1746.47	26.31
378	1758.90	25.83
379	1759.83	25.70
380	1760.78	25.70
381	1766.90	25.78
382	1772.89	25.74
383	1773.97	25.75
384	1775.09	25.77
385	1786.87	25.81
386	1789.39	25.76
387	1800.86	25.75
388	1803.70	25.69
389	1814.84	25.65
390	1818.01	25.72
391	1828.82	25.72
392	1832.31	25.76
393	1837.62	25.84
394	1842.81	25.74

Order	Station [ft]	Elevation [ft]
395	1846.62	25.72
396	1851.76	25.94
397	1856.79	26.12
398	1860.92	26.18
399	1870.77	25.88
400	1875.23	25.98
401	1884.76	26.37
402	1889.54	26.41
403	1898.74	25.83
404	1903.84	25.54
405	1908.33	25.48
406	1912.72	25.45
407	1918.15	25.50
408	1922.48	25.63
409	1926.71	25.56
410	1932.45	25.47
411	1940.69	25.48
412	1946.76	25.54
413	1954.67	25.43
414	1961.07	25.41
415	1968.66	25.53
416	1975.37	25.50
417	1982.64	25.42
418	1989.68	25.52
419	1996.63	25.69
420	2003.99	25.62
421	2010.61	25.56
422	2018.29	25.55
423	2024.59	25.40
424	2026.99	25.41
425	2029.99	25.35
426	2031.02	25.33
427	2031.65	25.32
428	2034.23	25.41
429	2041.31	25.66
430	2048.21	25.99
431	2051.61	25.95
432	2056.49	26.03
433	2061.90	26.32
434	2064.77	26.31
435	2072.19	26.08
436	2076.57	25.79
437	2081.32	25.45
438	2082.48	25.44
439	2089.60	25.40
440	2092.77	25.46
441	2097.88	25.51
442	2103.06	25.49
443	2106.16	25.51

Order	Station [ft]	Elevation [ft]
444	2113.35	25.30
445	2114.44	25.31
446	2118.91	25.43
447	2123.64	25.60
448	2131.00	25.62
449	2133.93	25.66
450	2138.76	25.81
451	2144.23	25.93
452	2147.56	25.96
453	2154.52	26.03
454	2155.83	26.07
455	2161.26	25.92
456	2164.11	25.87
457	2164.81	25.82
458	2172.39	25.67
459	2175.10	25.60
460	2180.67	25.43
461	2185.39	25.60
462	2193.14	25.66
463	2195.68	25.78
464	2197.23	25.77
465	2203.60	25.75
466	2205.97	25.75
467	2210.66	25.74
468	2213.55	25.74
469	2216.56	25.77
470	2221.19	25.82
471	2227.40	25.72
472	2228.83	25.73
473	2232.25	25.76
474	2238.24	25.83
475	2244.12	25.96
476	2249.08	25.87
477	2251.76	25.80
478	2258.17	25.90
479	2259.92	25.92
480	2267.05	25.79
481	2270.76	25.78
482	2274.69	25.85
483	2281.60	26.25
484	2284.08	26.22
485	2289.97	26.00
486	2292.44	25.98
487	2298.44	25.87
488	2303.24	25.84
489	2305.53	25.77
490	2305.87	25.77
491	2306.33	25.77
492	2315.96	25.92

Order	Station [ft]	Elevation [ft]
493	2318.00	25.92
494	2326.06	25.99
495	2329.68	26.07
496	2336.15	25.87
497	2341.07	26.05
498	2346.24	25.81
499	2353.04	25.81
500	2356.33	25.83
501	2364.72	26.24
502	2366.42	26.21
503	2376.39	26.28
504	2376.51	26.29
505	2376.61	26.29
506	2377.28	26.26
507	2386.61	25.89
508	2394.38	26.03
509	2396.70	26.12
510	2403.26	26.05
511	2406.79	25.98
512	2411.43	25.96
513	2416.88	26.05
514	2421.03	25.99
515	2426.97	25.84
516	2434.78	25.92
517	2435.86	25.89
518	2437.06	25.85
519	2446.00	26.00
520	2447.11	26.00
521	2457.15	25.88
522	2457.16	25.88
523	2466.30	25.96
524	2467.21	25.94
525	2468.33	25.96
526	2477.26	25.99
527	2479.49	26.04
528	2487.31	26.27
529	2493.71	26.07
530	2497.36	25.99
531	2501.82	25.93
532	2507.41	25.77
533	2512.99	25.85
534	2517.46	25.93
535	2524.15	26.08
536	2527.51	26.14
537	2535.32	26.20
538	2537.56	26.15
539	2538.43	26.15
540	2543.63	26.01
541	2548.17	25.70

Order	Station [ft]	Elevation [ft]
542	2550.83	25.64
543	2554.79	25.77
544	2558.04	25.89
545	2560.22	25.87
546	2565.25	25.75
547	2572.27	25.89
548	2572.45	25.89
549	2572.72	25.90
550	2579.66	26.09
551	2584.32	26.03
552	2590.64	25.81
553	2594.07	25.72
554	2596.37	25.74
555	2601.27	25.99
556	2608.42	26.17
557	2608.56	26.16
558	2615.68	25.75
559	2620.47	26.42
560	2622.89	26.59
561	2626.48	26.36
562	2632.52	25.90
563	2636.75	26.04
564	2637.29	26.05
565	2642.31	25.91
566	2644.39	25.96
567	2646.88	26.04
568	2655.34	26.39
569	2662.48	26.09
570	2665.69	25.91
571	2668.37	25.86
572	2672.79	25.97
573	2678.07	25.86
574	2679.89	25.76
575	2681.40	25.77
576	2693.67	25.63
577	2694.09	25.63
578	2694.43	25.63
579	2698.29	25.67
580	2707.46	25.76
581	2709.27	25.73
582	2715.39	25.65
583	2720.49	25.62
584	2722.48	25.58
585	2724.87	25.76
586	2729.58	26.02
587	2733.52	26.06
588	2736.68	25.99
589	2740.47	25.99
590	2746.55	25.93

Order	Station [ft]	Elevation [ft]
591	2756.06	25.70
592	2757.75	25.69
593	2759.19	25.66
594	2760.93	25.63
595	2769.39	25.61
596	2773.70	25.58
597	2779.59	25.65
598	2783.50	25.62
599	2789.79	25.74
600	2791.99	25.81
601	2799.99	26.08
602	2802.90	25.96
603	2808.97	25.65
604	2810.19	25.62
605	2817.46	25.69
606	2820.39	25.69
607	2825.95	25.71
608	2830.59	25.67
609	2834.44	25.60
610	2840.79	25.69
611	2842.93	25.70
612	2850.99	25.63
613	2851.42	25.63
614	2853.52	25.69
615	2859.91	25.84
616	2861.20	25.84
617	2863.13	25.80
618	2871.40	25.50
619	2876.89	25.47
620	2881.60	25.50
621	2885.38	25.51
622	2891.80	25.50
623	2893.87	25.50
624	2902.00	25.47
625	2904.14	25.48
626	2910.19	25.49
627	2910.79	25.49
628	2912.31	25.50
629	2918.51	25.47
630	2923.04	25.45
631	2926.23	25.45
632	2933.78	25.57
633	2934.40	25.58
634	2944.51	25.67
635	2949.39	25.61
636	2955.25	25.61
637	2961.89	25.53
638	2964.83	25.49
639	2965.98	25.49

Order	Station [ft]	Elevation [ft]
640	2972.55	25.66
641	2976.72	25.61
642	2986.21	25.65
643	2987.45	25.63
644	2989.39	25.61
645	2995.72	25.49
646	2998.19	25.51
647	3003.44	25.50
648	3008.92	25.53
649	3011.16	25.58
650	3016.88	25.75
651	3019.66	25.79
652	3026.60	25.69
653	3030.39	25.71
654	3034.32	25.67
655	3041.13	25.81
656	3044.37	25.79
657	3049.76	25.74
658	3051.86	25.66
659	3057.48	25.58
660	3062.60	25.53
661	3071.87	25.52
662	3073.33	25.53
663	3080.64	25.59
664	3084.07	25.62
665	3088.36	25.68
666	3094.81	25.65
667	3096.09	25.65
668	3099.36	25.68
669	3105.54	25.68
670	3111.53	25.56
671	3113.77	25.55
672	3117.88	25.54
673	3118.87	25.54
674	3119.55	25.57
675	3126.06	25.86
676	3131.70	25.67
677	3133.25	25.63
678	3135.50	25.64
679	3140.44	25.79
680	3143.84	25.69
681	3147.63	25.75
682	3153.12	25.53
683	3154.82	25.49
684	3155.99	25.48
685	3162.01	25.37
686	3168.14	25.34
687	3169.20	25.34
688	3170.73	25.38

Order	Station [ft]	Elevation [ft]
689	3180.28	25.49
690	3188.35	25.39
691	3190.76	25.39
692	3192.43	25.40
693	3197.95	25.39
694	3204.58	25.29
695	3205.96	25.29
696	3216.73	25.35
697	3219.52	25.40
698	3223.58	25.50
699	3226.71	25.61
700	3228.87	25.59
701	3240.63	25.56
702	3241.02	25.56
703	3241.09	25.56
704	3241.19	25.56
705	3248.28	25.38
706	3253.17	25.77
707	3255.47	25.85
708	3258.81	25.78
709	3262.66	25.66
710	3265.31	25.77
711	3269.85	25.87
712	3276.43	25.80
713	3277.04	25.76
714	3277.46	25.76
715	3279.76	25.75
716	3289.61	25.67
717	3294.04	25.68
718	3295.17	25.68
719	3298.95	25.67
720	3300.88	25.67
721	3306.86	25.65
722	3311.42	25.66
723	3320.52	25.75
724	3321.96	25.76
725	3322.68	25.76
726	3324.85	25.77
727	3330.59	25.77
728	3332.50	25.72
729	3338.50	25.66
730	3343.03	25.59
731	3352.09	25.67
732	3353.57	25.69
733	3354.31	25.68
734	3356.55	25.67
735	3362.22	25.65
736	3364.11	25.62
737	3370.13	25.61

Order	Station [ft]	Elevation [ft]
738	3374.65	25.60
739	3383.66	25.48
740	3385.18	25.45
741	3385.95	25.44
742	3388.26	25.46
743	3395.72	25.49
744	3401.77	25.39
745	3406.26	25.40
746	3409.68	25.41
747	3410.74	25.41
748	3411.23	25.41

Comment:

Weir Cross Section: OW-WETLAND 2-WETLAND 3

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	25.61
2	1.22	25.59
3	8.78	25.75
4	11.89	25.87
5	18.80	26.11
6	22.57	26.18
7	25.99	26.26
8	31.20	26.25
9	32.38	26.25
10	34.58	26.22
11	42.97	26.01
12	48.65	25.89
13	53.56	26.11
14	58.99	26.14
15	62.24	26.12
16	63.88	26.15
17	73.48	26.03
18	73.94	26.01
19	74.31	26.03
20	77.87	26.07
21	80.45	26.05
22	81.13	26.10
23	84.29	26.12
24	90.95	26.21
25	91.33	26.21
26	94.96	26.24

Order	Station [ft]	Elevation [ft]
27	99.22	26.04
28	105.24	25.94
29	107.53	25.87
30	115.52	26.03
31	115.83	26.03
32	115.98	26.03
33	125.53	25.91
34	126.05	25.91
35	135.53	25.71
36	144.48	25.62
37	144.58	25.62
38	145.54	25.58
39	146.43	25.59
40	155.55	25.68
41	156.08	25.66
42	165.55	25.78
43	165.72	25.78
44	170.29	25.79
45	175.37	25.76
46	175.56	25.76
47	185.01	25.74
48	185.57	25.73
49	194.66	25.98
50	195.13	25.99
51	195.57	26.00
52	204.82	25.87
53	205.57	25.87
54	215.01	25.83
55	215.58	25.84
56	220.04	25.84
57	223.98	25.80
58	225.94	25.80
59	231.76	25.55
60	236.60	25.63
61	239.55	25.73
62	246.95	25.83
63	247.24	25.83
64	247.43	25.82
65	257.25	25.82
66	257.30	25.82
67	261.47	25.71
68	267.17	25.55
69	267.25	25.55
70	277.04	25.64
71	277.25	25.63
72	286.90	25.78
73	287.25	25.78
74	287.60	25.79
75	297.25	25.88

Order	Station [ft]	Elevation [ft]
76	297.37	25.88
77	297.73	25.88
78	307.25	25.82
79	317.00	25.69
80	317.25	25.69
81	327.12	26.07
82	327.25	26.07
83	327.64	26.06
84	335.66	25.95
85	337.25	25.92
86	347.08	25.92
87	347.25	25.91
88	347.43	25.92
89	357.25	25.84
90	357.59	25.85
91	360.85	25.83
92	367.26	25.79
93	376.15	25.63
94	377.27	25.65
95	378.32	25.67
96	378.64	25.68
97	387.87	25.76
98	395.52	26.02
99	398.52	26.05
100	398.90	26.06
101	399.90	26.08
102	403.42	26.05
103	409.26	25.87
104	413.02	25.89
105	420.00	25.80
106	430.66	25.92
107	430.74	25.92
108	430.85	25.92
109	434.11	25.89
110	441.80	25.81
111	452.39	25.83
112	453.01	25.82
113	453.08	25.82
114	453.42	25.83
115	465.23	25.91
116	466.49	25.91
117	474.45	25.84
118	476.68	25.76
119	477.21	25.80
120	480.03	25.78
121	487.62	25.69
122	497.24	25.95
123	497.95	25.97
124	498.75	25.96

Order	Station [ft]	Elevation [ft]
125	505.24	25.85
126	508.70	25.75
127	508.82	25.74
128	509.80	25.79
129	520.02	25.84
130	529.87	25.89
131	530.98	25.90
132	531.07	25.90
133	540.11	25.99
134	540.11	25.99
135	541.39	25.92
136	550.87	25.90
137	554.72	25.85
138	554.83	25.85
139	564.53	25.94
140	564.74	25.94
141	573.79	25.82
142	574.04	25.83
143	574.58	25.77
144	575.08	25.81
145	585.11	25.87
146	588.57	25.88
147	588.70	25.89
148	598.56	26.03
149	598.61	26.03
150	598.65	26.03
151	602.45	25.98
152	608.13	25.89
153	608.52	25.85
154	614.45	25.79
155	617.75	25.74
156	617.84	25.73
157	627.50	25.85
158	637.06	25.82
159	637.45	25.79
160	637.53	25.79
161	638.02	25.81
162	640.21	25.85
163	648.24	25.92
164	650.58	25.95
165	651.80	25.93
166	653.20	25.95
167	659.77	25.59
168	662.82	25.72
169	667.30	25.53
170	673.85	25.78
171	676.93	25.80
172	679.85	25.78
173	685.06	25.75

Order	Station [ft]	Elevation [ft]
174	694.60	25.86
175	696.48	25.85
176	698.00	25.87
177	707.90	25.82
178	717.72	26.04
179	718.77	26.06
180	719.29	26.05
181	726.56	25.63
182	730.50	25.84
183	740.80	26.03
184	740.91	26.03
185	741.75	26.02
186	748.68	25.58
187	753.54	25.84
188	759.80	25.87
189	765.32	25.79
190	770.46	25.64
191	777.11	25.89
192	778.69	25.91
193	778.71	25.91
194	789.35	25.79
195	792.06	25.62
196	795.84	25.75
197	799.23	25.45
198	801.66	25.73
199	804.55	25.75
200	812.64	25.83
201	813.49	25.82
202	814.05	25.83
203	825.19	25.71
204	833.34	25.84
205	836.88	25.83
206	842.33	25.86
207	848.58	25.76
208	852.63	25.78
209	860.27	25.71
210	871.50	25.90
211	871.88	25.91
212	871.94	25.91
213	872.01	25.91
214	883.05	25.77
215	893.40	25.71
216	894.16	25.69
217	894.96	25.70
218	905.27	25.57
219	914.92	25.74
220	915.49	25.74
221	916.62	25.76
222	916.80	25.77

Order	Station [ft]	Elevation [ft]
223	916.99	25.76
224	930.75	25.80
225	930.95	25.80
226	931.14	25.81
227	938.46	25.81
228	943.23	25.76
229	945.94	25.67
230	952.70	25.64
231	953.37	25.66
232	953.80	25.63
233	954.46	25.65
234	964.05	25.68
235	965.79	25.69
236	970.05	25.67
237	981.52	25.81
238	982.38	25.83
239	982.55	25.83
240	982.74	25.83
241	993.81	25.63
242	1003.63	25.71
243	1004.80	25.72
244	1004.91	25.72
245	1005.89	25.72
246	1014.97	25.74
247	1015.97	25.74
248	1016.30	25.74
249	1027.05	25.55
250	1031.29	25.60
251	1039.36	25.64
252	1045.22	25.71
253	1048.21	25.74
254	1051.96	25.72
255	1061.86	25.69
256	1062.93	25.70
257	1064.20	25.65
258	1071.60	25.87
259	1074.30	25.92
260	1074.46	25.92
261	1087.84	25.83
262	1088.57	25.82
263	1101.79	25.67
264	1102.91	25.66
265	1115.75	25.44
266	1117.25	25.44
267	1123.56	25.39
268	1129.70	25.64
269	1131.59	25.67
270	1143.66	25.91
271	1144.42	25.91

Order	Station [ft]	Elevation [ft]
272	1144.94	25.89
273	1153.88	25.68
274	1162.12	25.70
275	1163.89	25.72
276	1171.74	25.66
277	1173.90	25.65
278	1176.71	25.63
279	1183.94	25.64
280	1184.31	25.63
281	1184.51	25.64
282	1194.89	25.59
283	1200.66	25.62
284	1200.83	25.62
285	1205.28	25.61
286	1212.89	25.56
287	1215.42	25.50
288	1219.60	25.53
289	1224.26	25.57
290	1225.75	25.53
291	1226.43	25.56
292	1236.23	25.42
293	1241.63	25.59
294	1246.70	25.62
295	1249.36	25.60
296	1257.17	25.85
297	1257.73	25.84
298	1258.15	25.83
299	1266.12	25.42
300	1267.30	25.40
301	1268.89	25.40
302	1277.41	25.28
303	1280.76	25.35
304	1287.52	25.27
305	1292.63	25.49
306	1297.63	25.41
307	1304.50	25.51
308	1307.74	25.51
309	1316.37	25.43
310	1316.84	25.42
311	1317.84	25.40
312	1326.76	25.50
313	1327.84	25.50
314	1337.07	25.53
315	1337.85	25.52
316	1346.05	25.56
317	1347.37	25.56
318	1347.85	25.56
319	1357.47	25.67
320	1357.85	25.66

Order	Station [ft]	Elevation [ft]
321	1367.58	25.70
322	1367.85	25.70
323	1377.68	24.47
324	1377.85	24.46
325	1378.02	24.47
326	1387.85	25.53
327	1394.14	25.60
328	1397.82	25.64
329	1397.85	25.64
330	1397.87	25.64
331	1397.89	25.64
332	1399.16	25.66
333	1407.61	25.75
334	1407.86	25.76
335	1417.32	25.69
336	1417.86	25.71
337	1418.44	25.70
338	1427.87	25.59
339	1436.75	25.63
340	1437.87	25.63
341	1446.46	25.68
342	1447.88	25.68
343	1456.18	25.67
344	1457.88	25.72
345	1459.69	25.71
346	1467.88	25.76
347	1470.00	25.80
348	1476.19	25.78
349	1477.91	25.77
350	1481.08	25.71
351	1488.06	25.63
352	1493.00	25.53
353	1498.20	25.59
354	1501.67	25.49
355	1508.35	25.52
356	1510.33	25.39
357	1518.49	25.75
358	1519.00	25.77
359	1519.21	25.77
360	1521.03	25.81
361	1527.19	25.64
362	1528.82	25.69
363	1535.36	25.60
364	1539.17	25.66
365	1540.68	25.67
366	1548.27	25.69
367	1550.14	25.64
368	1550.80	25.59
369	1552.20	25.71

Order	Station [ft]	Elevation [ft]
370	1561.21	25.69
371	1565.81	25.39
372	1572.29	25.68
373	1573.32	25.61
374	1575.47	25.74
375	1580.82	25.54
376	1583.36	25.67
377	1588.32	25.50
378	1589.56	25.56
379	1595.00	25.84
380	1595.54	25.81
381	1596.29	25.87
382	1602.70	25.61
383	1607.35	25.74
384	1613.33	25.76
385	1617.02	25.63
386	1619.69	25.79
387	1630.38	25.89
388	1631.34	25.83
389	1632.04	25.86
390	1636.41	25.86
391	1641.46	25.77
392	1644.24	25.72
393	1645.73	25.64
394	1648.18	25.69
395	1653.01	25.38
396	1655.96	25.63
397	1660.28	25.59
398	1667.36	25.84
399	1667.56	25.82
400	1667.67	25.83
401	1674.83	25.54
402	1679.39	25.77
403	1682.11	25.73
404	1685.78	25.80
405	1690.33	25.78
406	1700.25	25.71
407	1700.33	25.71
408	1700.41	25.71
409	1703.88	25.72
410	1710.19	25.72
411	1710.33	25.72
412	1719.98	25.83
413	1720.34	25.81
414	1729.77	25.84
415	1730.34	25.84
416	1739.55	25.71
417	1740.34	25.79
418	1749.34	25.41

Order	Station [ft]	Elevation [ft]
419	1750.34	25.32
420	1759.12	25.60
421	1760.35	25.61
422	1764.26	25.59

Comment:

Weir Cross Section: OW-WETLAND 3-DS EAST

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	25.89
2	2.18	25.94
3	5.75	26.03
4	18.24	26.22
5	18.53	26.22
6	19.63	26.23
7	31.31	26.30
8	32.63	26.31
9	34.30	26.30
10	39.75	26.22
11	44.09	26.13
12	50.36	26.15
13	56.87	26.05
14	66.42	25.83
15	69.65	25.84
16	75.33	25.82
17	79.08	25.71
18	82.03	25.70
19	86.87	25.72
20	93.31	25.95
21	96.16	25.93
22	101.70	25.78
23	104.58	25.78
24	109.11	25.77
25	115.85	25.84
26	116.53	25.87
27	117.82	25.88
28	123.94	25.88
29	127.13	25.76
30	131.35	25.44
31	138.40	25.30
32	139.48	25.29
33	149.67	25.31

Order	Station [ft]	Elevation [ft]
34	160.73	25.65
35	160.94	25.66
36	161.01	25.66
37	161.14	25.67
38	172.22	26.27
39	175.84	26.29
40	182.80	26.14
41	183.26	26.11
42	183.49	26.10
43	184.24	26.09
44	194.76	25.60
45	195.28	25.63
46	197.96	25.77
47	200.92	25.83
48	209.74	25.62
49	212.13	25.46
50	214.23	25.45
51	219.22	25.60
52	224.90	25.70
53	227.54	25.72
54	233.39	25.69
55	240.05	25.85
56	240.48	25.86
57	240.85	25.89
58	247.56	26.18
59	254.15	26.06
60	254.65	26.04
61	255.21	26.04
62	267.46	25.78
63	270.37	25.76
64	280.77	25.72
65	282.99	25.74
66	285.52	25.77
67	285.89	25.77
68	292.88	25.88
69	297.64	25.88
70	304.23	26.07
71	306.49	26.02
72	312.40	25.78
73	315.59	25.71
74	326.17	25.83
75	326.94	25.82
76	327.17	25.82
77	327.60	25.81
78	338.29	25.47
79	341.94	25.32
80	348.71	25.40
81	349.32	25.42
82	349.65	25.41

Order	Station [ft]	Elevation [ft]
83	350.74	25.46
84	361.00	25.81
85	364.09	25.92
86	369.82	26.47
87	371.47	26.61
88	372.36	26.63
89	378.86	25.75
90	383.71	24.97
91	390.93	24.93
92	393.62	24.84
93	395.07	25.00
94	399.88	25.04
95	406.42	25.11
96	408.39	25.15
97	412.04	25.18
98	417.78	25.19
99	423.16	25.17
100	429.13	25.19
101	433.16	25.21
102	437.92	25.26
103	440.49	25.23
104	445.31	25.36
105	451.84	25.51
106	452.69	25.53
107	454.27	25.61
108	463.20	25.81
109	467.46	25.98
110	474.55	25.84
111	474.84	25.84
112	475.38	25.85
113	482.22	26.16
114	485.91	26.16
115	496.49	25.97
116	496.99	25.96
117	497.26	25.96
118	498.16	26.06
119	508.62	26.86
120	517.60	26.54
121	519.14	26.37
122	519.97	26.35
123	526.52	25.98
124	531.32	25.87
125	538.71	25.74
126	541.29	25.72
127	542.68	25.71
128	543.76	25.70
129	548.47	25.63
130	554.26	25.54
131	555.54	25.54

Order	Station [ft]	Elevation [ft]
132	556.89	25.54
133	568.05	25.41
134	569.69	25.42
135	571.41	25.47
136	576.76	25.58
137	581.85	25.68
138	583.83	25.67
139	585.92	25.67
140	595.65	25.90
141	600.43	26.11
142	609.45	26.64
143	612.13	26.69
144	614.94	26.73
145	619.20	26.58
146	623.25	26.40
147	629.46	26.28
148	637.05	26.13
149	640.42	25.99
150	643.97	25.99
151	647.49	26.03
152	650.84	26.17
153	654.57	26.17
154	658.48	25.85
155	661.64	25.60
156	664.64	25.51
157	668.71	25.61
158	673.00	25.56
159	675.79	25.51
160	678.44	25.54
161	682.86	25.58
162	687.51	25.48
163	689.93	25.52
164	692.24	25.64
165	697.01	25.88
166	702.02	25.82
167	706.04	25.72
168	711.15	25.62
169	714.43	25.62
170	715.94	25.66
171	718.76	25.53
172	726.35	26.01
173	726.84	26.05
174	728.53	26.26
175	736.76	27.02
176	742.99	26.74
177	747.17	26.03
178	751.06	25.61
179	757.58	24.92
180	764.52	25.56

Order	Station [ft]	Elevation [ft]
181	767.21	25.85
182	767.99	26.01
183	775.29	25.86
184	778.40	25.70
185	783.36	25.66
186	788.81	25.72
187	791.43	25.72
188	799.22	25.72
189	799.51	25.72
190	800.51	25.72
191	807.58	25.70
192	809.63	25.69
193	815.66	25.67
194	820.04	25.63
195	823.73	25.58
196	830.45	25.42
197	831.81	25.40
198	836.50	25.36
199	839.88	25.39
200	840.86	25.40
201	842.63	25.41
202	851.27	25.55
203	857.28	25.58
204	861.68	25.64
205	864.10	25.61
206	872.09	25.84
207	872.18	25.84
208	872.49	25.84
209	882.50	25.73
210	886.57	25.67
211	892.91	25.57
212	896.40	25.59
213	903.32	25.62
214	904.48	25.60
215	908.48	25.65
216	912.55	25.69
217	913.73	25.70
218	920.63	25.65
219	924.14	25.70
220	928.70	25.73
221	934.55	25.73
222	936.77	25.76
223	944.47	25.74
224	944.85	25.74
225	944.96	25.74
226	952.92	25.83
227	955.37	25.86
228	959.28	25.84
229	960.86	25.84

Order	Station [ft]	Elevation [ft]
230	966.33	25.72
231	968.26	25.72
232	971.91	25.71
233	977.64	25.69
234	983.07	25.63
235	988.94	25.64
236	990.47	25.64
237	993.38	25.65
238	997.87	25.67
239	1000.24	25.65
240	1005.28	25.58
241	1011.54	25.55
242	1012.68	25.56
243	1014.85	25.58
244	1020.08	25.57
245	1022.84	25.57
246	1027.49	25.57
247	1034.14	25.49
248	1034.89	25.47
249	1036.32	25.49
250	1042.29	25.50
251	1045.44	25.50
252	1049.70	25.40
253	1056.74	25.30
254	1057.10	25.30
255	1057.79	25.28
256	1068.04	25.38
257	1071.91	25.52
258	1079.26	25.58
259	1079.31	25.58
260	1079.34	25.58
261	1086.72	25.55
262	1090.64	25.47
263	1094.12	25.52
264	1100.72	25.59
265	1101.52	25.62
266	1101.94	25.62
267	1108.93	25.59
268	1113.25	25.67
269	1115.53	25.71
270	1116.69	25.73
271	1118.64	25.75
272	1127.38	25.64
273	1128.66	25.64
274	1138.06	25.80
275	1138.68	25.79
276	1147.87	25.85
277	1148.70	25.85
278	1148.75	25.85

Order	Station [ft]	Elevation [ft]
279	1158.72	25.69
280	1159.44	25.68
281	1168.74	25.55
282	1170.13	25.58
283	1178.76	25.79
284	1180.82	25.90
285	1188.77	25.90
286	1191.50	25.79
287	1198.79	25.77
288	1205.23	25.81
289	1208.81	25.82
290	1212.88	25.80
291	1214.68	25.81
292	1219.86	25.78
293	1224.39	25.77
294	1228.95	25.81
295	1232.37	25.85
296	1241.04	25.77
297	1244.87	25.75
298	1256.39	25.90
299	1257.38	25.91
300	1257.70	25.91
301	1269.88	25.80
302	1274.36	25.80
303	1282.38	25.73
304	1291.02	25.49
305	1294.89	25.45
306	1306.53	25.63
307	1307.39	25.65
308	1307.68	25.65
309	1319.89	25.73
310	1324.33	25.78
311	1332.40	25.83
312	1340.99	25.60
313	1344.90	25.47
314	1356.66	25.77
315	1357.40	25.79
316	1357.51	25.79
317	1357.65	25.79
318	1369.91	25.61
319	1374.31	25.63
320	1382.41	25.65
321	1390.97	25.57
322	1394.91	25.59
323	1406.80	25.66
324	1407.42	25.66
325	1407.62	25.66
326	1419.92	25.73
327	1424.28	25.74

Order	Station [ft]	Elevation [ft]
328	1431.20	25.73
329	1433.87	25.72
330	1437.49	25.72
331	1439.85	25.70
332	1448.24	25.66
333	1457.62	25.64
334	1458.99	25.63
335	1461.09	25.67
336	1469.74	25.77
337	1475.40	25.71
338	1480.50	25.62
339	1488.30	25.73
340	1491.25	25.76
341	1493.17	25.76
342	1502.00	25.69
343	1505.83	25.74
344	1512.75	25.85
345	1515.52	25.86
346	1523.50	25.81
347	1528.72	25.78
348	1534.26	25.69
349	1542.74	25.66
350	1545.01	25.66
351	1552.07	25.91
352	1555.76	25.89
353	1564.26	25.64
354	1566.51	25.57
355	1569.96	25.54
356	1577.26	25.59
357	1582.03	25.65
358	1588.02	25.71
359	1597.18	25.75
360	1598.77	25.73
361	1606.02	25.42
362	1609.52	25.35
363	1617.58	24.71
364	1620.27	24.59
365	1621.98	24.53
366	1622.87	24.47
367	1630.93	24.66
368	1632.88	24.68
369	1634.99	24.69
370	1642.88	25.61
371	1645.41	25.55
372	1652.89	25.60
373	1659.79	25.46
374	1662.90	25.60
375	1666.27	25.48
376	1672.91	25.33

Order	Station [ft]	Elevation [ft]
377	1676.69	25.64
378	1682.92	25.84
379	1687.12	26.20
380	1692.92	26.24
381	1697.55	26.09
382	1702.93	25.88
383	1707.97	25.58
384	1712.94	25.31
385	1718.40	25.09
386	1722.95	24.92
387	1728.82	24.74
388	1732.96	24.58
389	1736.77	24.44
390	1742.96	24.22
391	1746.39	24.25
392	1752.97	24.26
393	1760.10	24.55
394	1762.98	24.70
395	1770.53	24.99
396	1772.99	25.03
397	1775.26	25.06
398	1783.00	25.22
399	1791.38	25.33
400	1793.00	25.35
401	1801.81	25.85
402	1803.01	25.88
403	1804.12	26.00
404	1813.02	25.78
405	1813.74	25.77
406	1823.03	25.94
407	1831.77	25.80
408	1832.99	25.78
409	1833.04	25.78
410	1833.09	25.78
411	1838.41	25.54
412	1838.80	25.53
413	1844.75	25.43
414	1848.95	25.44
415	1853.43	25.43
416	1858.45	25.56
417	1863.10	25.78
418	1868.06	25.92
419	1872.15	26.01
420	1882.69	25.72
421	1884.33	25.66
422	1885.85	25.75
423	1891.40	25.90
424	1897.32	25.69
425	1898.47	25.69

Order	Station [ft]	Elevation [ft]
426	1899.55	25.69
427	1905.55	25.87
428	1911.95	25.20
429	1912.62	25.12
430	1913.26	25.23
431	1919.70	25.96
432	1926.58	25.34
433	1926.77	25.31
434	1926.96	25.33
435	1933.85	25.85
436	1940.66	25.40
437	1940.92	25.41
438	1941.21	25.39
439	1948.00	25.77
440	1954.36	25.45
441	1955.07	25.51
442	1955.84	25.43
443	1962.15	25.60
444	1968.06	25.77
445	1970.47	25.77
446	1981.76	25.38
447	1983.37	25.54
448	1985.10	25.38
449	1990.45	25.61
450	1995.46	25.33
451	1997.52	25.51
452	1999.73	25.35
453	2004.60	25.62
454	2009.16	25.51
455	2011.67	25.76
456	2014.36	25.47
457	2018.75	25.40
458	2022.86	25.62
459	2025.82	25.96
460	2028.98	25.63
461	2032.90	25.54
462	2036.56	25.74
463	2039.97	26.14
464	2043.61	25.82
465	2047.05	25.60
466	2050.26	26.28
467	2054.12	26.77
468	2058.24	26.54
469	2061.20	26.04
470	2063.96	26.39
471	2068.27	26.47
472	2072.87	26.08
473	2075.35	25.66
474	2077.66	25.93

Order	Station [ft]	Elevation [ft]
475	2082.42	26.28
476	2087.50	25.94
477	2089.50	25.65
478	2091.36	25.90
479	2102.13	25.98
480	2105.07	25.70
481	2110.72	25.50
482	2116.76	25.62
483	2117.80	25.57
484	2118.77	25.69
485	2124.87	25.79
486	2131.39	26.36
487	2132.47	26.44
488	2139.02	26.46
489	2146.02	26.39
490	2146.10	26.37
491	2146.17	26.39
492	2153.17	26.17
493	2159.87	26.02
494	2160.24	26.05
495	2160.65	26.04
496	2173.57	26.76
497	2174.39	26.82
498	2175.28	26.67
499	2187.27	26.57
500	2188.54	26.77
501	2189.91	26.76
502	2195.62	26.27
503	2200.97	27.14
504	2204.53	26.91
505	2209.77	25.50
506	2214.67	25.19
507	2219.16	25.11
508	2223.92	24.95
509	2228.37	25.14
510	2230.99	25.18
511	2233.79	25.43
512	2238.07	25.77
513	2242.07	26.48
514	2245.14	26.56
515	2248.42	26.21
516	2252.22	25.34
517	2255.77	26.25
518	2259.29	26.78
519	2263.05	26.98
520	2269.47	26.23
521	2277.68	25.81
522	2280.52	25.68
523	2283.17	25.61

Order	Station [ft]	Elevation [ft]
524	2287.59	25.01
525	2292.31	25.07
526	2294.67	25.01
527	2296.88	25.06
528	2301.74	24.98
529	2306.94	24.97
530	2308.82	24.95
531	2310.58	25.08
532	2315.89	25.25
533	2321.57	26.37
534	2324.28	26.56
535	2329.69	25.80
536	2330.08	25.73
537	2336.08	26.66
538	2343.53	26.74
539	2345.85	26.46
540	2346.64	26.52
541	2353.74	25.36
542	2357.20	25.73
543	2361.62	25.86
544	2367.76	25.62
545	2374.66	25.70
546	2378.32	25.57
547	2385.27	25.33
548	2388.88	25.40
549	2393.16	25.57
550	2399.44	25.61
551	2401.04	25.59
552	2401.94	25.61

Comment:

Weir Cross Section: OW-WETLAND 3-DS WEST

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	25.62
2	1.45	25.59
3	7.42	25.50
4	11.37	25.63
5	17.42	25.79
6	22.27	25.87
7	23.20	25.88
8	28.48	25.90

Order	Station [ft]	Elevation [ft]
9	33.27	25.95
10	37.61	25.80
11	40.53	25.81
12	51.20	25.56
13	52.58	25.56
14	59.23	25.75
15	64.63	25.96
16	69.12	26.00
17	73.64	25.99
18	76.16	25.99
19	76.60	25.99
20	81.66	26.12
21	86.81	25.99
22	90.12	25.88
23	97.02	26.08
24	98.59	25.99
25	106.17	26.80
26	107.23	26.86
27	115.51	26.32
28	117.44	26.30
29	120.38	26.56
30	126.78	26.25
31	127.65	26.20
32	132.51	26.33
33	137.83	26.41
34	145.60	26.45
35	148.00	26.44
36	158.12	26.28
37	158.17	26.28
38	158.42	26.29
39	166.78	26.54
40	168.35	26.60
41	170.63	26.73
42	178.52	26.79
43	183.92	26.95
44	188.69	26.82
45	195.67	26.98
46	198.87	26.95
47	208.19	27.41
48	209.04	27.46
49	212.73	27.74
50	219.22	28.10
51	220.71	28.09
52	224.17	28.05
53	229.49	27.94
54	234.77	27.04
55	239.86	26.81
56	242.90	26.63
57	250.23	26.56

Order	Station [ft]	Elevation [ft]
58	251.04	26.52
59	253.98	26.49
60	260.60	26.24
61	267.31	26.06
62	270.97	26.64
63	275.45	26.81
64	281.34	26.70
65	291.70	26.47
66	291.71	26.47
67	291.75	26.47
68	302.08	26.27
69	307.99	26.25
70	312.45	26.36
71	320.29	26.56
72	322.82	26.63
73	329.51	26.98
74	333.19	27.11
75	340.28	26.94
76	340.52	26.93
77	343.79	26.89
78	348.02	26.16
79	354.87	25.69
80	355.52	25.73
81	356.87	25.91
82	363.02	26.37
83	365.95	26.30
84	370.52	26.12
85	377.03	26.18
86	380.08	26.15
87	388.12	26.02
88	395.46	25.89
89	399.20	25.73
90	403.28	25.37
91	408.02	24.95
92	410.28	25.02
93	416.67	25.42
94	421.36	25.63
95	423.02	25.87
96	426.49	26.03
97	430.52	26.05
98	432.44	26.11
99	435.56	26.20
100	439.91	26.27
101	444.30	26.22
102	446.25	26.23
103	456.47	26.29
104	463.80	26.24
105	466.66	25.98
106	468.64	25.99

Order	Station [ft]	Elevation [ft]
107	479.56	26.05
108	480.81	26.04
109	481.36	26.02
110	492.97	25.98
111	498.91	26.28
112	502.59	26.11
113	505.14	26.09
114	509.78	25.75
115	511.90	25.92
116	515.72	26.21
117	517.97	26.23
118	530.39	26.31
119	531.64	26.34
120	545.06	27.20
121	545.31	27.19
122	548.77	27.01
123	558.98	26.40
124	559.73	26.38
125	572.65	26.27
126	574.40	26.30
127	586.31	25.76
128	589.07	25.77
129	599.98	26.46
130	603.74	26.51
131	613.65	26.73
132	618.40	26.80
133	627.32	26.93
134	633.07	27.12
135	640.98	27.58
136	647.74	27.70
137	654.65	27.44
138	658.40	27.18
139	662.41	26.74
140	668.32	26.25
141	672.55	26.46
142	677.08	26.57
143	681.99	26.73
144	688.96	26.54
145	691.55	26.47
146	696.19	26.18
147	705.14	26.04
148	710.95	26.17
149	718.74	26.30
150	725.71	26.43
151	732.33	26.23
152	740.47	26.15
153	745.93	26.43
154	755.24	26.36
155	759.52	26.08

Order	Station [ft]	Elevation [ft]
156	765.21	25.98
157	768.46	25.89
158	772.37	25.91
159	778.46	26.00
160	782.01	26.17
161	788.47	26.31
162	791.65	26.39
163	798.48	26.57
164	805.85	26.45
165	808.49	26.47
166	810.92	26.35
167	818.49	26.29
168	826.66	26.23
169	828.50	26.20
170	830.20	26.15
171	838.51	26.68
172	847.47	27.07
173	848.51	27.13
174	857.88	26.67
175	858.52	26.66
176	859.12	26.67
177	868.53	26.56
178	868.76	26.56
179	874.66	26.66
180	878.54	26.71
181	878.69	26.72
182	888.54	26.71
183	897.67	26.39
184	898.55	26.35
185	907.31	26.54
186	908.56	26.52
187	916.95	26.33
188	918.57	26.33
189	926.59	26.00
190	928.57	25.96
191	936.22	25.73
192	938.58	25.56
193	939.76	25.54
194	944.78	25.41
195	949.04	25.47
196	952.71	25.47
197	959.56	25.57
198	960.64	25.56
199	963.97	25.55
200	968.57	25.51
201	970.08	25.56
202	976.51	25.65
203	980.60	25.63
204	984.44	25.89

Order	Station [ft]	Elevation [ft]
205	991.11	26.40
206	992.37	26.54
207	996.21	26.96
208	1000.30	27.34
209	1001.63	27.46
210	1004.26	27.60
211	1012.15	27.93
212	1019.87	28.29
213	1022.67	28.31
214	1024.09	28.28
215	1026.41	28.39
216	1032.87	28.51
217	1033.00	28.51
218	1034.62	28.42
219	1042.31	27.84
220	1042.90	27.85
221	1051.62	27.25
222	1052.93	27.22
223	1060.93	27.10
224	1062.96	26.92
225	1065.34	26.92
226	1072.99	26.78
227	1079.55	26.55
228	1083.02	26.73
229	1088.86	27.24
230	1093.05	27.22
231	1098.17	26.82
232	1103.08	27.34
233	1107.48	27.62
234	1113.11	27.97
235	1116.79	28.19
236	1123.14	28.27
237	1126.10	28.24
238	1133.17	28.17
239	1135.42	28.09
240	1135.46	28.09
241	1143.24	27.97
242	1146.93	27.96
243	1153.32	27.85
244	1158.46	27.42
245	1163.40	27.27
246	1169.99	26.62
247	1173.48	26.43
248	1181.52	26.46
249	1183.56	26.36
250	1193.05	26.62
251	1193.63	26.64
252	1197.70	26.43
253	1203.71	26.19

Order	Station [ft]	Elevation [ft]
254	1204.58	26.20
255	1213.79	25.79
256	1216.11	25.90
257	1223.87	25.83
258	1227.63	25.67
259	1233.95	25.79
260	1239.16	25.63
261	1244.03	25.72
262	1250.69	25.92
263	1254.11	25.99
264	1262.22	25.65
265	1264.19	25.57
266	1273.75	25.61
267	1274.26	25.61
268	1277.84	25.62
269	1284.34	25.65
270	1285.28	25.65
271	1294.42	25.65
272	1301.52	25.48
273	1304.50	25.44
274	1308.34	25.45
275	1314.58	25.64
276	1319.86	25.86
277	1324.66	25.99
278	1331.39	25.93
279	1334.74	25.83
280	1342.92	25.59
281	1344.82	25.59
282	1354.45	25.57
283	1354.89	25.58
284	1357.98	25.57
285	1364.19	25.57
286	1364.33	25.57
287	1367.17	25.66
288	1372.54	25.83
289	1373.78	25.91
290	1375.76	25.88
291	1384.04	25.81
292	1389.08	25.70
293	1394.30	25.65
294	1402.40	25.51
295	1404.56	25.48
296	1411.81	25.51
297	1414.26	25.51
298	1414.82	25.50
299	1422.60	26.28
300	1425.08	26.33
301	1430.95	26.19
302	1435.35	26.50

Order	Station [ft]	Elevation [ft]
303	1439.29	26.36
304	1445.61	25.97
305	1455.69	25.42
306	1455.87	25.41
307	1456.46	25.41
308	1466.13	25.47
309	1469.01	25.65
310	1476.39	25.82
311	1482.33	25.86
312	1486.65	25.94
313	1495.66	25.95
314	1496.91	25.99
315	1497.69	25.98
316	1501.11	26.03
317	1506.99	26.09
318	1507.18	26.08
319	1511.15	26.16
320	1516.07	26.22
321	1517.72	26.25
322	1523.98	25.78
323	1528.26	25.74
324	1531.89	25.49
325	1538.80	25.43
326	1542.78	25.46
327	1549.34	25.39
328	1551.27	25.38
329	1556.99	25.38
330	1559.44	25.39
331	1567.43	25.61
332	1569.45	25.61
333	1571.31	25.66
334	1579.46	25.70
335	1588.31	25.70
336	1589.47	25.72
337	1598.75	26.18
338	1599.48	26.20
339	1600.15	26.18
340	1609.49	25.97
341	1616.49	25.93
342	1619.38	25.91
343	1619.49	25.91
344	1619.62	25.92
345	1629.50	25.47
346	1638.60	25.73
347	1639.51	25.79
348	1648.21	26.30
349	1649.52	26.26
350	1657.83	26.19
351	1659.53	26.11

Order	Station [ft]	Elevation [ft]
352	1661.38	25.98
353	1669.54	25.57
354	1677.05	25.98
355	1679.55	25.72
356	1686.66	25.67
357	1689.55	25.91
358	1696.28	25.83
359	1699.56	25.77
360	1703.13	26.03
361	1709.57	25.94
362	1713.57	26.07
363	1719.58	26.17
364	1725.12	26.16
365	1729.59	26.38
366	1734.73	26.62
367	1739.60	26.64
368	1744.88	26.55
369	1749.60	26.55
370	1750.55	26.54
371	1754.96	26.48
372	1759.61	26.49
373	1764.60	26.57
374	1769.62	26.69
375	1774.24	26.26
376	1779.63	26.14
377	1785.44	26.20
378	1789.63	25.93
379	1793.52	26.12
380	1799.64	26.26
381	1806.24	25.89
382	1809.65	25.83
383	1816.65	26.23
384	1819.66	26.59
385	1827.05	26.75
386	1829.66	26.47
387	1837.45	26.58
388	1839.67	26.76
389	1847.85	26.59
390	1849.68	26.53
391	1851.37	26.52
392	1859.68	26.75
393	1861.65	26.79
394	1867.77	26.98
395	1869.50	26.96
396	1869.87	26.98
397	1870.46	26.98
398	1880.11	26.87
399	1886.31	26.76
400	1890.34	26.69

Order	Station [ft]	Elevation [ft]
401	1894.71	26.28
402	1900.58	26.28
403	1909.70	26.28
404	1910.81	26.23
405	1911.52	26.23
406	1914.81	26.39
407	1921.04	26.45
408	1922.78	26.47
409	1931.28	26.56
410	1935.86	26.60
411	1940.32	26.64
412	1941.50	26.68
413	1947.12	26.75
414	1951.60	26.82
415	1958.96	26.80
416	1961.71	26.79
417	1963.76	26.79
418	1971.82	26.78
419	1977.74	26.78
420	1981.92	26.72
421	1982.64	26.74
422	1992.03	26.19
423	1994.18	26.33
424	1994.45	26.34
425	2002.06	26.48
426	2009.10	26.65
427	2012.07	26.68
428	2018.73	26.75
429	2022.07	26.80
430	2028.36	26.95
431	2032.08	26.79
432	2037.98	26.68
433	2042.09	26.71
434	2046.53	26.33
435	2052.10	26.27
436	2057.24	25.61
437	2062.10	24.97
438	2067.36	25.51
439	2072.11	26.05
440	2076.50	26.04
441	2082.12	26.77
442	2088.19	26.67
443	2092.13	26.92
444	2098.61	27.40
445	2102.14	27.60
446	2105.39	27.63
447	2107.90	27.77
448	2112.17	27.97
449	2116.27	27.95

Order	Station [ft]	Elevation [ft]
450	2122.23	27.26
451	2127.58	27.70
452	2132.29	27.29
453	2136.06	27.39
454	2142.35	27.29
455	2145.12	27.35
456	2152.41	27.21
457	2154.18	27.22
458	2162.47	27.04
459	2163.24	27.07
460	2170.23	27.71
461	2172.30	27.86
462	2172.53	27.85
463	2172.82	27.84
464	2182.59	27.42
465	2190.42	27.28
466	2192.65	27.30
467	2195.44	27.33
468	2202.71	27.04
469	2206.75	26.77
470	2212.77	26.37
471	2217.60	25.87
472	2222.83	25.58
473	2224.56	25.48
474	2226.97	25.33
475	2232.85	25.16
476	2238.32	25.13
477	2242.86	26.19
478	2247.73	26.20
479	2252.86	26.39
480	2258.11	26.50
481	2262.87	26.42
482	2268.49	26.50
483	2272.88	26.42
484	2278.87	26.74
485	2282.88	26.83
486	2289.25	27.09
487	2292.89	27.21
488	2299.63	27.11
489	2301.70	27.19
490	2302.92	27.19
491	2308.47	27.08
492	2313.14	27.02
493	2316.92	26.59
494	2323.35	27.09
495	2331.63	28.33
496	2332.86	28.52
497	2333.53	28.56
498	2343.06	27.04

Order	Station [ft]	Elevation [ft]
499	2343.53	26.99
500	2353.25	26.26
501	2353.53	26.25
502	2353.80	26.24
503	2363.53	25.78
504	2363.62	25.78
505	2367.99	25.76
506	2373.43	25.72
507	2373.54	25.73
508	2380.66	25.67
509	2382.64	25.62
510	2383.84	25.62
511	2390.17	24.90
512	2394.87	25.32
513	2397.69	25.32
514	2403.72	25.37
515	2405.21	25.27
516	2405.91	25.34
517	2412.74	24.66
518	2416.95	25.16
519	2420.26	25.56
520	2427.36	25.39
521	2427.78	25.34
522	2427.98	25.37
523	2428.53	25.34
524	2439.02	24.81
525	2449.24	25.97
526	2450.06	26.01
527	2450.35	26.03
528	2450.99	26.08
529	2457.88	25.72
530	2461.09	25.95
531	2465.40	25.76
532	2472.13	26.06
533	2472.92	26.09
534	2474.62	26.16
535	2480.45	25.95
536	2483.17	25.84
537	2483.60	25.82
538	2489.03	25.82
539	2493.23	25.95
540	2498.38	26.11
541	2503.26	26.34
542	2507.73	26.61
543	2513.29	26.78
544	2517.08	26.43
545	2523.31	26.09
546	2530.52	26.01
547	2533.34	25.85

Order	Station [ft]	Elevation [ft]
548	2535.77	25.64
549	2543.36	25.21
550	2545.12	25.40
551	2553.39	26.27
552	2554.47	26.35
553	2563.42	26.65
554	2563.82	26.65
555	2569.38	26.74
556	2573.17	26.77
557	2573.44	26.76
558	2573.76	26.76
559	2583.47	26.34
560	2584.57	26.32
561	2593.49	26.36
562	2601.21	26.76
563	2603.52	26.79
564	2610.56	26.72
565	2613.55	26.75
566	2617.00	26.96
567	2623.57	26.81
568	2629.26	26.49
569	2633.60	26.22
570	2638.62	26.15
571	2643.63	26.25
572	2647.96	26.45
573	2653.65	26.53
574	2660.24	26.13
575	2663.68	25.97
576	2666.66	25.91
577	2673.70	25.81
578	2681.86	25.71
579	2683.73	25.70
580	2687.82	25.69
581	2689.83	25.55
582	2693.03	25.62
583	2696.32	25.86
584	2700.10	26.00
585	2703.77	25.96
586	2710.67	26.06
587	2717.71	26.10
588	2725.02	25.79
589	2728.39	25.73
590	2731.66	25.69
591	2739.37	25.76
592	2742.53	25.84
593	2745.60	25.98
594	2753.72	26.36
595	2756.67	26.49
596	2759.54	26.54

Order	Station [ft]	Elevation [ft]
597	2763.74	26.57
598	2768.07	27.33
599	2773.48	27.75
600	2777.89	27.37
601	2782.42	27.51
602	2787.42	27.07
603	2791.05	26.46
604	2792.04	26.29
605	2797.51	26.83
606	2800.45	26.89
607	2806.28	26.92
608	2813.16	26.84
609	2813.41	26.81
610	2813.72	26.80
611	2820.53	26.84
612	2825.87	26.64
613	2829.92	26.49
614	2838.58	26.44
615	2841.90	26.54
616	2846.13	26.43
617	2851.29	26.39
618	2862.33	26.10
619	2864.00	26.02
620	2870.04	26.21
621	2876.70	26.42
622	2878.54	26.52
623	2889.41	27.96
624	2894.74	28.88
625	2898.88	29.70
626	2902.12	30.40
627	2910.95	31.65
628	2912.58	31.73
629	2914.67	31.81
630	2920.39	31.53
631	2926.45	30.70
632	2927.65	30.55
633	2929.57	30.01
634	2938.24	27.45
635	2948.47	26.35
636	2949.43	26.29
637	2950.02	26.33
638	2952.61	26.29
639	2961.81	26.13
640	2967.36	26.07
641	2973.59	25.97
642	2983.93	26.10
643	2985.38	26.11
644	2986.26	26.11
645	2992.98	26.00

Order	Station [ft]	Elevation [ft]
646	2997.17	25.91
647	3005.15	25.87
648	3007.49	25.83
649	3008.95	25.88
650	3014.75	26.10
651	3020.70	26.33
652	3020.74	26.33
653	3024.33	26.44
654	3032.20	26.59
655	3036.72	26.12
656	3043.66	25.03
657	3044.07	25.02
658	3044.81	25.01
659	3051.42	24.95
660	3055.11	24.87
661	3058.76	24.84
662	3065.29	24.79
663	3066.11	24.78
664	3066.57	24.78
665	3073.46	24.72
666	3078.03	24.69
667	3080.81	24.69
668	3085.77	24.73
669	3089.49	24.77
670	3095.50	24.84
671	3100.95	24.86
672	3102.85	24.86
673	3106.24	24.85
674	3110.20	24.85
675	3112.41	24.84
676	3117.55	24.84
677	3123.87	24.85
678	3124.89	24.85
679	3126.72	24.86
680	3132.24	24.89
681	3135.33	24.91
682	3139.59	24.93
683	3146.79	24.97
684	3146.94	24.97
685	3147.20	24.98
686	3158.25	25.23
687	3161.63	25.33
688	3167.68	25.51
689	3168.98	25.55
690	3169.70	25.56
691	3176.33	25.74
692	3181.16	25.88
693	3183.67	25.93
694	3188.16	25.85

Order	Station [ft]	Elevation [ft]
695	3192.62	25.75
696	3195.89	25.73
697	3204.26	25.58
698	3205.36	25.57
699	3206.59	25.57
700	3217.70	25.62
701	3219.52	25.62
702	3221.56	25.63
703	3231.13	25.67
704	3233.69	25.68
705	3236.53	25.69
706	3244.57	25.72
707	3247.85	25.74
708	3251.50	25.76
709	3258.01	25.73
710	3262.01	25.74
711	3266.47	25.66
712	3271.45	25.61
713	3276.17	25.59
714	3281.44	25.62
715	3283.26	25.60
716	3284.88	25.63
717	3296.41	25.75
718	3297.42	25.75
719	3298.32	25.75
720	3304.50	25.73
721	3311.38	25.70
722	3311.58	25.70
723	3311.76	25.70
724	3318.66	25.67
725	3325.20	25.65
726	3325.74	25.64
727	3326.35	25.64
728	3332.83	25.61
729	3338.64	25.53
730	3339.91	25.51
731	3341.32	25.53
732	3346.99	25.61
733	3350.72	25.53
734	3353.08	25.49
735	3354.27	25.47
736	3354.84	25.46
737	3356.41	25.55
738	3365.89	25.95
739	3369.30	25.97
740	3376.50	26.02
741	3376.95	26.02
742	3377.35	26.03
743	3388.01	26.13

Order	Station [ft]	Elevation [ft]
744	3398.30	26.62
745	3399.07	26.65
746	3399.93	26.73
747	3410.13	27.67
748	3419.24	27.57
749	3421.19	27.53
750	3423.36	27.85
751	3432.24	29.25
752	3440.19	30.13
753	3443.30	30.55
754	3444.42	30.34
755	3446.78	29.56
756	3451.93	27.68
757	3454.36	26.92
758	3459.44	25.72
759	3465.42	25.32
760	3466.95	25.36
761	3470.21	25.49
762	3474.47	25.64
763	3476.48	25.70
764	3481.98	25.91
765	3487.53	26.37
766	3493.64	26.29
767	3497.00	26.21
768	3498.59	26.32
769	3504.52	26.33
770	3509.65	26.21
771	3517.07	25.95
772	3519.54	25.72
773	3520.71	25.78
774	3527.05	25.96
775	3531.77	26.37
776	3534.56	26.49
777	3540.49	26.64
778	3542.08	26.53
779	3542.82	26.58
780	3544.91	26.71
781	3553.49	26.62
782	3553.95	26.62
783	3556.90	26.72
784	3560.39	26.99
785	3564.00	26.75
786	3567.04	27.22
787	3575.90	27.17
788	3578.19	26.77
789	3580.13	26.90
790	3591.40	26.97
791	3593.21	26.98
792	3603.01	27.16

Order	Station [ft]	Elevation [ft]
793	3606.30	27.19
794	3606.90	27.26
795	3613.67	27.48
796	3619.38	27.67
797	3620.77	27.42
798	3622.41	27.44
799	3627.86	26.96
800	3632.47	27.30
801	3637.91	27.14
802	3642.06	26.93
803	3645.55	27.21
804	3653.42	27.58
805	3656.25	27.49
806	3658.64	27.65
807	3668.92	27.53
808	3670.44	27.39
809	3671.72	27.61
810	3677.54	27.71
811	3684.43	27.85
812	3684.81	27.82
813	3691.73	26.81
814	3697.89	26.90
815	3698.83	26.93
816	3699.93	26.93
817	3705.92	27.06
818	3710.98	26.89
819	3715.44	26.79
820	3724.07	26.61
821	3727.21	26.60
822	3730.94	26.49
823	3737.15	26.46
824	3746.44	26.57
825	3750.24	26.56
826	3755.60	26.33
827	3761.95	26.88
828	3763.32	26.91
829	3770.75	27.15
830	3776.41	27.31
831	3777.45	27.31
832	3789.49	27.52
833	3792.96	27.20
834	3802.58	26.64
835	3805.27	26.90
836	3808.46	26.95
837	3815.66	26.87
838	3819.46	26.86
839	3823.97	27.12
840	3826.56	27.04
841	3828.75	27.14

Order	Station [ft]	Elevation [ft]
842	3833.05	27.05
843	3833.66	27.04
844	3838.55	27.49
845	3843.26	27.80
846	3847.83	27.69
847	3851.82	27.26
848	3854.92	26.62
849	3858.46	27.05
850	3862.01	27.01
851	3865.10	27.21
852	3869.09	26.95
853	3873.67	27.07
854	3878.37	27.13
855	3888.87	26.93
856	3891.65	26.86
857	3897.44	26.43
858	3904.08	26.86
859	3904.92	26.83
860	3911.62	26.56
861	3918.20	26.84
862	3919.28	26.91
863	3925.79	27.15
864	3931.47	27.11
865	3934.49	26.71
866	3939.97	25.88
867	3944.75	26.53
868	3949.69	26.79
869	3954.14	26.70
870	3958.02	26.80
871	3961.23	26.46
872	3962.36	26.46
873	3964.28	26.53
874	3975.36	25.98
875	3975.76	25.96
876	3975.87	25.95
877	3976.06	25.95
878	3983.21	25.78
879	3987.24	25.53
880	3996.42	24.93
881	3997.89	24.84
882	3998.72	24.84
883	4005.23	24.82
884	4010.20	25.02
885	4012.57	25.12
886	4016.78	25.35
887	4021.68	25.61
888	4027.25	25.90
889	4033.16	26.22
890	4037.14	26.21

Order	Station [ft]	Elevation [ft]
891	4041.94	26.08
892	4044.64	26.02
893	4049.28	25.71
894	4056.12	25.37
895	4057.50	25.38
896	4063.96	25.48
897	4067.60	25.51
898	4071.30	25.57
899	4077.86	25.54
900	4078.64	25.54
901	4079.08	25.55
902	4085.98	25.60
903	4090.56	25.45
904	4093.32	25.41
905	4098.22	25.34
906	4102.04	25.33
907	4108.00	25.45
908	4113.52	25.56
909	4115.34	25.54
910	4118.57	25.52
911	4125.00	25.51
912	4130.03	25.53
913	4136.48	25.39
914	4137.37	25.39
915	4138.93	25.37
916	4144.71	25.37
917	4147.96	25.40
918	4152.05	25.39
919	4159.29	24.72
920	4159.39	24.71
921	4159.44	24.71
922	4159.64	24.74
923	4170.93	26.30
924	4174.07	25.96
925	4179.65	26.20
926	4181.41	26.18
927	4182.41	26.19
928	4185.97	26.13
929	4193.89	25.92
930	4200.01	25.73
931	4203.43	25.48
932	4205.37	25.52
933	4210.78	25.61
934	4216.85	25.41
935	4218.12	25.42
936	4220.37	25.28
937	4222.32	25.25
938	4232.53	25.58
939	4232.54	25.58

Order	Station [ft]	Elevation [ft]
940	4232.54	25.58
941	4243.84	25.79
942	4247.34	25.79
943	4254.00	25.64
944	4254.75	25.61
945	4255.14	25.61
946	4256.41	25.59
947	4266.44	25.22
948	4275.46	25.42
949	4276.96	25.45
950	4277.74	25.41
951	4284.36	25.23
952	4289.05	25.37
953	4296.92	25.84
954	4300.35	26.03
955	4302.91	25.99
956	4308.18	25.91
957	4310.66	25.89
958	4318.86	25.49
959	4320.68	25.43
960	4329.53	25.49
961	4330.70	25.48
962	4340.20	25.76
963	4340.71	25.78
964	4341.17	25.78
965	4348.57	25.85
966	4350.61	25.87
967	4350.73	25.87
968	4360.05	26.00
969	4360.75	25.96
970	4361.55	25.97
971	4370.77	26.15
972	4372.22	26.22
973	4375.00	26.35
974	4380.81	26.69
975	4390.84	26.77
976	4390.86	26.77
977	4390.87	26.77
978	4391.00	26.76
979	4400.00	26.24
980	4400.91	26.24
981	4402.03	26.13
982	4410.96	25.43
983	4413.22	25.24
984	4421.01	24.75
985	4424.41	25.14
986	4429.72	25.59

Comment:

Weir Cross Section: OW-WETLAND 3-WETLAND 4

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	25.62
2	6.00	25.67
3	7.71	25.64
4	16.07	25.40
5	16.73	25.41
6	22.43	25.40
7	25.75	25.39
8	26.14	25.39
9	26.62	25.38
10	36.20	25.58
11	36.60	25.59
12	47.11	25.39
13	49.18	25.32
14	49.36	25.32
15	49.56	25.32
16	56.45	25.01
17	62.28	25.05
18	65.04	25.05
19	70.64	25.02
20	75.38	24.95
21	77.74	24.95
22	80.52	24.92
23	84.83	24.90
24	88.48	24.87
25	91.93	24.77
26	96.00	24.84
27	99.02	24.84
28	101.58	24.83
29	106.12	24.77
30	111.48	24.88
31	113.22	24.89
32	114.68	24.89
33	120.31	24.78
34	126.96	24.72
35	127.79	24.71
36	134.50	24.76
37	140.89	24.86
38	142.44	24.87
39	148.69	24.80
40	153.99	24.95
41	155.79	24.96
42	157.92	24.93
43	162.88	24.81
44	167.09	24.76

Order	Station [ft]	Elevation [ft]
45	173.40	24.83
46	177.07	25.00
47	180.19	24.89
48	184.17	24.88
49	188.88	25.06
50	191.27	25.13
51	193.29	25.09
52	198.36	24.92
53	204.36	24.97
54	206.39	24.97
55	217.57	24.88
56	219.49	24.87
57	219.65	24.86
58	219.84	24.87
59	232.59	25.25
60	233.84	25.30
61	235.32	25.37
62	240.93	25.60
63	245.69	25.72
64	248.03	25.78
65	250.80	25.84
66	252.90	25.89

Comment:

Weir Cross Section: OW-WETLAND 4-DS EAST

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	25.09
2	1.85	25.17
3	7.16	25.06
4	11.87	24.87
5	15.97	25.11
6	21.89	25.49
7	28.69	25.27
8	31.92	25.40
9	39.46	25.56
10	41.94	25.50
11	44.10	25.42
12	51.97	24.99
13	53.48	25.00
14	61.99	25.16
15	71.76	25.45

Order	Station [ft]	Elevation [ft]
16	72.01	25.47
17	75.42	25.61
18	82.04	25.85
19	90.99	25.98
20	92.06	25.98
21	93.29	25.98
22	96.65	25.86
23	102.20	25.79
24	102.26	25.79
25	102.27	25.79
26	110.40	25.29
27	112.64	25.12
28	116.55	25.26
29	123.00	25.06
30	126.68	25.11
31	133.37	25.64
32	134.57	25.60
33	136.17	25.67
34	142.43	25.12
35	147.05	24.95
36	150.04	24.73
37	157.03	24.93
38	157.66	24.93
39	157.93	24.95
40	165.28	25.85
41	168.81	26.05
42	172.89	26.01
43	179.69	26.19
44	182.43	26.26
45	185.24	26.16
46	190.14	26.25
47	199.03	25.42
48	200.14	25.43
49	209.03	24.64
50	210.14	24.61
51	219.03	24.66
52	220.14	24.65
53	221.24	24.65
54	230.14	24.52
55	239.03	24.96
56	240.14	24.95
57	249.03	25.45
58	250.14	25.44
59	259.03	25.25
60	260.14	25.24
61	269.03	24.80
62	270.14	24.79
63	279.03	25.24
64	280.14	25.24

Order	Station [ft]	Elevation [ft]
65	289.03	25.15
66	290.14	25.14
67	295.05	24.97
68	299.52	24.85
69	300.16	24.84
70	300.68	24.85
71	305.62	24.65
72	309.78	24.45
73	310.22	24.43
74	310.76	24.43
75	320.27	24.37
76	322.00	24.36
77	330.33	24.55
78	333.23	24.57
79	340.38	24.22
80	346.17	24.32
81	350.44	24.59
82	355.27	24.73
83	358.63	24.75
84	361.02	24.73
85	363.89	24.53
86	367.44	24.57
87	371.00	24.50
88	373.88	24.52
89	378.11	24.51
90	383.34	24.59
91	386.74	24.53
92	399.25	24.59
93	399.44	24.60
94	399.60	24.59
95	401.11	24.71
96	412.46	25.45
97	413.66	25.47
98	415.15	25.67
99	420.77	25.58
100	425.33	25.52
101	427.88	25.09
102	431.05	25.76
103	438.19	26.34
104	442.10	25.86
105	446.95	26.21
106	448.51	26.18
107	451.89	26.06
108	459.61	25.29
109	463.55	24.66
110	469.03	24.31
111	470.72	24.28
112	471.93	24.30
113	479.32	24.47

Order	Station [ft]	Elevation [ft]
114	484.24	24.60
115	485.05	24.63
116	486.17	24.61
117	492.21	24.46
118	496.56	24.58
119	499.38	24.68
120	503.31	24.56
121	506.54	24.44
122	508.87	24.46
123	520.44	24.45
124	521.18	24.45
125	523.07	24.44
126	533.50	24.55
127	537.58	24.46
128	545.81	24.62
129	549.53	24.74
130	554.72	24.75
131	556.70	24.76
132	558.12	24.73
133	563.87	24.64
134	570.44	24.11
135	571.03	24.10
136	571.86	24.18
137	578.20	24.67
138	582.75	25.24
139	585.36	25.41
140	588.99	25.48
141	592.53	25.62
142	595.06	25.64
143	599.69	25.35
144	606.13	25.07
145	607.38	25.00
146	608.18	24.97
147	614.32	24.71
148	618.48	24.64
149	621.86	24.70
150	629.18	24.84
151	629.39	24.83
152	629.49	24.85
153	629.77	24.85
154	640.51	25.08
155	644.46	25.20
156	651.52	24.98
157	653.02	24.98
158	662.54	24.76
159	670.71	25.07
160	673.55	25.06
161	676.87	25.10
162	682.14	24.96

Order	Station [ft]	Elevation [ft]
163	684.57	24.95
164	689.67	24.72
165	695.59	24.51
166	700.72	24.75
167	704.74	24.92
168	706.60	25.01
169	712.28	25.14
170	717.62	25.08
171	724.56	24.86
172	727.35	24.76
173	728.63	24.71
174	734.88	24.50
175	739.65	24.40
176	742.42	24.32
177	748.41	24.12
178	750.66	24.06
179	751.02	24.05
180	752.40	24.01
181	761.44	23.89
182	765.31	23.85
183	772.21	23.73
184	773.01	23.67
185	774.98	23.65
186	780.70	23.81
187	782.98	23.97
188	788.39	24.26
189	793.76	24.26
190	796.08	24.28
191	801.89	24.27
192	803.77	24.24
193	804.53	24.26
194	811.47	24.14
195	815.30	24.21
196	824.25	23.94
197	826.07	23.97
198	826.85	23.97
199	828.80	23.90
200	834.54	24.04
201	836.84	23.99
202	842.21	23.65
203	847.61	23.72
204	855.71	23.94
205	858.38	24.05
206	865.31	24.61
207	869.16	24.86
208	878.14	26.26
209	879.93	26.42
210	880.70	26.40
211	882.61	26.32

Order	Station [ft]	Elevation [ft]
212	888.39	25.51
213	890.70	25.72
214	894.28	25.44
215	896.11	25.39
216	900.29	25.44
217	903.94	25.11
218	910.91	25.42
219	911.76	25.41
220	914.15	25.66
221	919.59	25.88
222	921.53	25.83
223	925.63	25.86
224	932.15	25.38
225	942.13	25.13
226	942.76	25.12
227	943.74	25.11
228	943.89	25.10
229	953.48	24.95
230	959.58	25.08
231	964.21	25.23
232	966.25	25.28
233	971.50	25.40
234	973.98	25.46
235	974.94	25.48
236	978.29	25.55
237	982.90	25.55
238	985.83	25.55
239	993.32	25.68
240	995.84	25.68
241	998.17	25.84
242	1005.85	26.27
243	1007.79	26.32
244	1015.86	26.19
245	1017.41	26.12
246	1025.87	25.83
247	1035.02	25.83
248	1035.87	25.83
249	1045.45	25.68
250	1045.88	25.67
251	1046.28	25.67
252	1055.89	25.73
253	1056.29	25.72
254	1065.53	25.51
255	1065.90	25.50
256	1066.30	25.49
257	1072.91	25.32
258	1075.91	25.26
259	1076.37	25.26
260	1083.96	25.08

Order	Station [ft]	Elevation [ft]
261	1085.81	25.04
262	1085.93	25.03
263	1095.26	25.06
264	1095.94	25.06
265	1104.71	24.98
266	1105.96	24.96
267	1114.16	25.10
268	1115.98	25.12
269	1118.04	25.27
270	1126.00	25.55
271	1133.06	25.88
272	1136.02	25.85
273	1142.51	25.91
274	1146.04	25.89
275	1151.95	25.87
276	1156.05	25.88
277	1161.40	25.83
278	1166.07	25.98
279	1171.34	25.84
280	1176.09	25.81
281	1182.00	25.62
282	1186.11	25.54
283	1189.75	25.47
284	1196.13	25.37
285	1203.32	25.69
286	1206.14	25.92
287	1213.98	26.03
288	1216.16	26.05
289	1224.64	26.16
290	1226.18	25.98
291	1227.54	25.83
292	1236.20	25.40
293	1236.99	25.40
294	1244.33	24.98
295	1244.74	25.00
296	1245.96	25.00
297	1248.03	25.19
298	1256.36	25.81
299	1267.65	25.80
300	1267.86	25.80
301	1267.98	25.81
302	1268.45	25.82
303	1279.60	26.01
304	1282.46	26.10
305	1287.28	26.17
306	1291.22	26.20
307	1297.06	26.25
308	1302.84	26.30
309	1306.91	26.38

Order	Station [ft]	Elevation [ft]
310	1309.07	26.43
311	1312.18	26.53
312	1313.77	26.54
313	1320.94	26.63
314	1323.88	26.64
315	1327.89	26.74
316	1334.00	26.83
317	1338.48	26.81
318	1344.12	26.94
319	1347.25	26.94
320	1354.24	26.94
321	1356.02	26.72
322	1364.35	26.17
323	1367.63	25.78
324	1373.56	25.07
325	1374.47	25.02
326	1375.71	24.99
327	1384.59	25.83
328	1390.48	25.82
329	1391.12	25.80
330	1397.05	25.47
331	1400.18	25.55
332	1407.11	25.53
333	1415.78	25.94
334	1417.17	25.92
335	1418.29	25.90
336	1427.23	25.05
337	1428.34	25.08
338	1436.40	25.21
339	1437.30	25.22
340	1438.41	25.23
341	1447.36	25.03
342	1454.51	25.00
343	1457.42	25.17
344	1463.57	25.29
345	1467.48	25.37
346	1472.37	25.39
347	1477.54	25.42
348	1483.69	25.19
349	1487.60	25.03
350	1490.74	25.07
351	1497.66	25.02
352	1499.79	25.00
353	1507.73	25.08
354	1517.64	25.01
355	1517.79	25.01
356	1517.90	25.01
357	1518.96	25.01
358	1526.96	25.07

Order	Station [ft]	Elevation [ft]
359	1527.85	25.12
360	1528.96	25.11
361	1537.91	25.31
362	1540.28	25.13
363	1547.97	25.20
364	1554.13	25.13
365	1558.03	25.29
366	1562.91	25.21
367	1568.09	25.04
368	1572.24	24.98
369	1577.63	24.91
370	1578.16	24.90
371	1581.15	24.89
372	1588.30	24.89
373	1589.84	24.89
374	1598.43	25.25
375	1598.53	25.26
376	1599.11	25.25
377	1608.57	25.11
378	1615.91	24.98
379	1618.71	24.93
380	1624.61	24.92
381	1628.85	25.00
382	1633.30	25.05
383	1638.98	25.09
384	1641.99	25.10
385	1649.12	25.00
386	1650.68	24.92
387	1659.26	24.72
388	1659.37	24.72
389	1660.04	24.72
390	1668.06	24.70
391	1669.40	24.77
392	1676.75	24.94
393	1679.53	24.90
394	1685.44	24.78
395	1689.67	24.77
396	1694.14	24.83
397	1699.81	24.79
398	1702.83	24.79
399	1709.95	25.81
400	1711.52	25.85
401	1720.08	24.70
402	1720.21	24.70
403	1720.96	24.69
404	1730.22	24.56
405	1737.59	24.42
406	1740.36	24.47
407	1746.28	24.74

Order	Station [ft]	Elevation [ft]
408	1750.50	24.95
409	1756.39	25.32
410	1760.63	25.59
411	1763.67	25.57
412	1770.77	25.96
413	1772.36	25.91
414	1780.91	26.37
415	1781.05	26.37
416	1781.89	26.33
417	1789.74	25.37
418	1791.05	25.36
419	1798.43	24.84
420	1801.18	24.73
421	1803.79	24.73
422	1808.34	25.02
423	1811.30	25.17
424	1820.22	25.53
425	1821.41	25.54
426	1822.30	25.61
427	1828.24	26.04
428	1831.52	26.09
429	1832.09	26.12
430	1841.63	25.71
431	1843.97	25.73
432	1851.74	25.68
433	1855.84	25.64
434	1861.85	25.26
435	1866.30	25.18
436	1871.96	25.10
437	1875.11	25.08
438	1882.07	24.99
439	1883.91	25.00
440	1892.18	24.93
441	1896.26	24.91
442	1902.29	24.87
443	1903.34	24.84
444	1912.40	24.48
445	1915.22	24.56
446	1922.51	24.73
447	1927.92	24.70
448	1932.62	24.49
449	1936.72	24.34
450	1942.73	24.13
451	1945.52	24.08
452	1952.84	23.91
453	1962.72	24.05
454	1962.95	24.06
455	1964.28	24.05
456	1973.06	24.02

Order	Station [ft]	Elevation [ft]
457	1974.59	24.13
458	1983.17	24.79
459	1986.47	24.94
460	1993.28	25.43
461	1998.33	25.59
462	2003.39	25.63
463	2010.22	25.68
464	2013.50	25.71
465	2014.30	25.72
466	2019.45	25.66
467	2025.03	25.66
468	2033.39	25.67
469	2036.69	25.68
470	2037.52	25.55
471	2038.90	25.57
472	2044.81	25.30
473	2048.35	25.09
474	2058.36	24.35
475	2060.01	24.28
476	2066.68	24.38
477	2071.66	24.58
478	2077.81	24.68
479	2081.26	24.62
480	2083.32	24.60
481	2091.56	24.52
482	2094.98	24.55
483	2095.84	24.51
484	2097.27	24.69
485	2103.13	25.26
486	2106.64	25.07
487	2110.42	24.75
488	2116.73	24.61
489	2117.71	24.59
490	2118.30	24.61
491	2125.00	24.91
492	2129.95	24.82
493	2136.18	24.78
494	2141.61	24.81
495	2149.73	25.06
496	2153.27	25.08
497	2155.64	25.03
498	2164.93	24.86
499	2175.09	24.92
500	2176.03	24.88
501	2176.58	24.91
502	2183.32	24.93
503	2188.24	24.81
504	2190.61	24.82
505	2194.55	24.86

Order	Station [ft]	Elevation [ft]
506	2199.90	24.89
507	2205.18	24.89
508	2211.56	24.77
509	2212.47	24.75
510	2214.01	24.75
511	2219.76	24.73
512	2223.22	24.75
513	2233.46	24.73
514	2234.87	24.74
515	2236.98	24.77
516	2243.51	24.85
517	2246.59	24.89
518	2248.88	24.95
519	2252.43	24.97
520	2258.49	25.04
521	2269.47	24.93
522	2270.39	24.93
523	2270.89	24.93
524	2277.82	24.91
525	2282.29	24.78
526	2289.35	24.74
527	2294.18	24.76
528	2302.95	24.45
529	2306.08	24.39
530	2307.81	24.49
531	2317.98	25.33
532	2326.26	25.24
533	2329.87	25.15
534	2336.42	25.09
535	2341.77	25.00
536	2344.72	24.92
537	2353.67	24.55
538	2363.18	24.75
539	2365.57	24.71
540	2369.90	24.55
541	2377.46	24.24
542	2381.64	24.31
543	2386.33	24.78
544	2388.22	24.84
545	2389.91	24.90
546	2393.53	24.95
547	2396.05	25.11
548	2400.72	25.11
549	2407.46	25.13
550	2408.21	25.13
551	2409.91	25.15
552	2420.38	25.27
553	2425.02	25.32
554	2432.55	25.38

Order	Station [ft]	Elevation [ft]
555	2442.57	25.39
556	2444.71	25.36
557	2449.54	25.27
558	2456.88	25.10
559	2460.13	25.09
560	2469.05	24.88
561	2472.58	24.63
562	2477.69	24.60
563	2481.21	24.59
564	2486.96	24.54
565	2493.38	24.68
566	2494.14	24.70
567	2495.24	24.64
568	2501.33	24.36
569	2505.55	24.27
570	2508.52	24.37
571	2512.80	24.57
572	2515.70	24.71
573	2517.71	24.80
574	2528.80	25.02
575	2529.88	25.05
576	2530.07	25.04
577	2530.36	25.05
578	2542.05	25.52
579	2543.85	25.60
580	2551.33	25.81
581	2552.48	25.79
582	2558.51	25.55
583	2562.04	25.30
584	2562.60	25.30
585	2570.77	25.47
586	2572.73	25.48
587	2579.50	25.16
588	2582.86	25.24
589	2587.49	25.20
590	2592.98	25.31
591	2599.54	25.04
592	2603.11	24.89
593	2611.60	25.04
594	2613.24	25.05
595	2621.85	24.83
596	2623.36	24.79
597	2623.65	24.79
598	2633.49	24.84
599	2635.71	24.85
600	2643.62	24.85
601	2649.35	24.82
602	2653.74	24.88
603	2659.81	25.11

Order	Station [ft]	Elevation [ft]
604	2663.87	25.18
605	2671.87	25.50
606	2674.00	25.56
607	2683.92	26.12
608	2684.13	26.12
609	2685.19	26.10
610	2694.25	25.51
611	2700.56	25.02
612	2701.81	24.94
613	2704.34	24.99
614	2711.09	24.65
615	2714.38	24.66
616	2720.36	24.56
617	2724.41	24.56
618	2729.17	24.63
619	2734.44	24.39
620	2740.10	24.53
621	2744.48	24.57
622	2751.02	24.50
623	2754.51	24.50
624	2761.94	24.95
625	2764.54	24.92
626	2772.86	24.52
627	2774.58	24.56
628	2783.79	24.19
629	2784.61	24.21
630	2793.90	23.83
631	2794.64	23.80
632	2794.71	23.80
633	2804.68	23.68
634	2805.63	23.73
635	2814.71	24.37
636	2816.55	24.43
637	2824.74	25.26
638	2827.47	25.47
639	2834.77	26.31
640	2838.40	26.73
641	2844.81	25.69
642	2849.32	25.11
643	2854.84	24.75
644	2860.24	24.74
645	2864.87	24.82
646	2871.16	24.81
647	2874.91	24.89
648	2878.09	24.90
649	2884.94	24.96
650	2893.01	25.01
651	2894.97	25.02
652	2903.93	24.96

Order	Station [ft]	Elevation [ft]
653	2905.01	24.96
654	2914.85	25.03
655	2915.04	25.03
656	2917.13	25.06
657	2924.47	25.18
658	2925.07	25.17
659	2933.75	25.07
660	2935.11	25.10
661	2943.03	25.23
662	2945.14	25.28
663	2952.31	25.40
664	2955.17	25.44
665	2958.54	25.37
666	2965.20	25.22
667	2970.86	25.56
668	2975.24	25.63
669	2980.01	25.63
670	2980.36	25.64
671	2985.98	25.74
672	2990.66	25.73
673	2995.01	25.67
674	2997.38	25.66
675	3005.45	26.22
676	3008.77	26.35
677	3009.75	26.40
678	3011.53	26.46
679	3017.12	26.42
680	3020.16	26.25
681	3024.49	26.04
682	3031.55	25.57
683	3032.40	25.47
684	3042.95	24.73
685	3046.59	24.92
686	3053.28	25.26
687	3054.34	25.32
688	3061.33	25.57
689	3065.73	25.77
690	3074.15	25.66
691	3077.13	25.57
692	3083.44	25.45
693	3088.52	25.49
694	3090.81	25.51
695	3095.02	25.55
696	3098.18	25.57
697	3099.91	25.58
698	3105.55	25.63
699	3111.30	25.68
700	3115.89	25.72
701	3122.70	25.78

Order	Station [ft]	Elevation [ft]
702	3127.66	25.74
703	3134.09	26.18
704	3135.03	26.20
705	3136.76	26.09
706	3145.48	25.61
707	3149.77	25.64
708	3156.88	25.67
709	3157.14	25.67
710	3157.63	25.67
711	3168.27	25.63
712	3171.88	25.56
713	3178.50	25.47
714	3179.66	25.46
715	3181.05	25.44
716	3191.05	25.31
717	3193.99	25.31
718	3199.38	25.26
719	3202.45	25.24
720	3208.73	25.34
721	3213.84	25.40
722	3216.10	25.44
723	3220.25	25.46
724	3223.47	25.49
725	3225.23	25.70
726	3231.22	25.82
727	3233.87	25.94
728	3236.29	26.07
729	3242.62	25.85
730	3246.29	25.76
731	3250.13	25.76
732	3256.29	25.73
733	3262.19	25.77
734	3266.30	25.80
735	3270.59	25.83
736	3276.30	25.88
737	3280.82	25.92
738	3286.30	25.97
739	3291.54	26.00
740	3296.30	25.98
741	3301.28	25.91
742	3306.31	25.81
743	3311.51	25.87
744	3316.31	25.86
745	3321.74	25.89
746	3324.95	25.89

Comment:

Weir Cross Section: OW-WETLAND 4-WETLAND 5

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	26.06
2	4.40	26.07
3	7.97	26.09
4	14.58	26.15
5	20.54	26.06
6	24.76	26.03
7	27.63	25.93
8	34.94	25.62
9	42.73	25.52
10	45.11	25.51
11	45.67	25.50
12	55.29	25.42
13	61.84	25.22
14	65.47	25.24
15	70.81	25.22
16	75.65	25.24
17	78.95	25.25
18	85.83	25.18
19	95.94	25.11
20	96.01	25.11
21	96.29	25.11
22	106.19	25.07
23	113.16	25.09
24	116.37	25.06
25	121.71	25.09
26	126.55	25.08
27	133.65	24.87
28	136.73	24.79
29	146.21	24.80
30	146.90	24.79
31	149.84	24.83
32	157.08	24.92
33	164.48	24.90
34	167.26	24.87
35	171.35	24.99
36	177.44	25.05
37	183.92	24.92
38	187.62	24.89
39	196.49	25.19
40	197.80	25.24
41	203.40	25.31
42	207.98	25.33
43	213.27	25.09

Comment:

Weir Cross Section: OW-WETLAND 5-WETLAND 7

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	25.96
2	1.75	26.07
3	6.16	26.36
4	10.35	26.34
5	18.81	26.84
6	20.78	26.99
7	21.93	27.02
8	28.09	27.16
9	33.51	27.56
10	38.63	27.45
11	45.09	26.92
12	54.17	26.42
13	56.67	26.30
14	58.46	26.17
15	68.25	25.78
16	78.28	25.73
17	79.26	25.76
18	79.84	25.76
19	82.02	25.78
20	91.42	25.95
21	98.11	26.10
22	101.20	26.11
23	103.00	26.06
24	109.86	26.28
25	114.58	26.42
26	115.82	26.39
27	117.94	26.31
28	126.16	25.83
29	130.44	25.75
30	137.74	26.38
31	137.75	26.38
32	137.76	26.38
33	145.06	26.64
34	149.32	26.93
35	155.93	26.96
36	158.54	26.99
37	159.98	26.99
38	160.46	27.02
39	167.87	27.01

Order	Station [ft]	Elevation [ft]
40	171.02	27.00
41	175.76	27.00
42	181.57	27.00
43	183.65	26.99
44	189.77	26.99
45	191.54	26.99
46	192.13	26.99
47	193.33	26.99
48	202.69	26.96
49	209.28	26.94
50	213.24	26.89
51	215.20	26.83
52	221.01	26.84
53	223.09	26.80
54	223.80	26.80
55	230.98	26.73
56	234.35	26.80
57	238.87	26.88
58	244.91	26.84
59	246.76	26.83
60	252.24	26.79
61	254.65	26.77
62	255.46	26.77
63	262.54	26.72
64	266.02	26.70
65	270.43	26.67
66	276.58	26.62
67	283.47	26.71
68	286.21	26.76
69	287.13	26.78
70	294.10	26.81
71	297.69	26.82
72	301.99	26.91
73	308.24	26.77
74	309.88	26.61
75	314.71	26.15
76	318.80	25.82
77	325.65	26.06
78	329.35	26.33
79	336.83	26.74
80	339.91	27.01
81	345.94	26.92
82	349.32	26.86
83	350.47	26.88
84	357.21	26.82
85	361.02	26.82
86	365.10	26.69
87	371.58	26.59
88	377.17	26.60

Order	Station [ft]	Elevation [ft]
89	382.13	26.57
90	384.66	26.60
91	392.69	26.66
92	394.78	26.68
93	396.47	26.71
94	400.50	26.83
95	407.19	26.65
96	410.66	26.42
97	413.60	26.31
98	417.76	26.33
99	422.66	26.25
100	426.71	26.33
101	431.95	26.47
102	438.13	26.44
103	439.04	26.44
104	439.81	26.44
105	449.07	26.49
106	452.91	26.52
107	453.61	26.53
108	466.02	26.63
109	467.42	26.55
110	469.08	26.37
111	474.52	25.93
112	479.12	25.76
113	481.61	25.65
114	484.56	25.64
115	492.22	25.46
116	495.80	25.59
117	500.03	26.06
118	505.33	26.51
119	509.99	26.64
120	515.50	26.61
121	517.09	26.62
122	518.43	26.53
123	530.98	26.68
124	531.54	26.68
125	538.38	26.51
126	544.64	26.14
127	545.47	26.07
128	546.45	25.98
129	552.57	25.61
130	557.74	25.75
131	559.66	25.78
132	561.93	26.08
133	564.70	26.34
134	566.77	26.53
135	570.53	26.52
136	578.51	25.94
137	581.07	25.84

Order	Station [ft]	Elevation [ft]
138	582.97	25.86
139	595.33	26.24
140	595.37	26.24
141	595.40	26.24
142	595.60	26.24
143	607.84	26.25
144	609.67	26.12
145	612.16	25.80
146	616.83	25.16
147	620.27	25.11
148	623.98	25.10
149	628.98	25.06
150	631.13	25.04
151	632.71	25.06
152	638.28	25.07
153	645.14	25.03
154	645.43	25.03
155	645.81	25.03
156	652.58	25.09
157	657.58	25.02
158	659.73	24.97
159	662.63	24.97
160	666.88	24.99
161	670.01	24.95
162	674.03	24.96
163	679.46	24.97
164	681.18	24.99
165	682.45	25.00
166	688.33	25.07
167	694.88	24.98
168	695.48	24.98
169	696.28	24.99
170	702.63	25.10
171	707.32	24.95
172	713.11	24.94
173	716.93	25.02
174	719.75	25.09
175	724.08	25.18
176	729.94	24.98
177	731.23	24.95
178	732.18	24.96
179	738.38	25.14
180	744.62	25.00
181	745.53	24.98
182	746.76	24.97
183	757.05	25.05
184	759.83	25.18

Comment:

Weir Cross Section: OW-WETLAND 6- WETLAND 7

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	26.02
2	5.46	25.95
3	10.01	26.02
4	19.22	26.10
5	20.48	26.10
6	21.07	26.09
7	22.74	26.16
8	32.14	26.39
9	42.60	26.69
10	43.01	26.68
11	43.20	26.67
12	43.74	26.66
13	54.26	26.28
14	64.73	25.91
15	65.33	25.89
16	65.98	25.88
17	76.39	25.86
18	85.73	25.20
19	87.45	25.10
20	89.37	25.05
21	98.51	24.92
22	103.09	24.89
23	109.58	24.96
24	112.75	24.94
25	120.64	24.75
26	127.72	24.73
27	131.70	24.67
28	136.13	24.76
29	142.76	24.82
30	148.72	24.90
31	153.83	25.19
32	155.65	25.17
33	159.52	25.32
34	163.16	25.43
35	164.89	25.38
36	165.67	25.40
37	170.81	24.93
38	173.58	24.36
39	178.53	24.39
40	184.32	24.83
41	186.25	25.02
42	191.17	25.33
43	195.06	25.48
44	197.56	25.76

Order	Station [ft]	Elevation [ft]
45	205.80	26.30
46	215.20	25.33
47	216.54	25.25
48	218.61	25.26
49	227.28	25.37
50	232.56	25.36
51	238.01	25.43
52	246.06	25.64
53	247.99	25.68
54	248.75	25.72
55	255.71	25.72
56	259.49	25.71
57	268.13	25.65
58	270.23	25.65
59	273.50	25.65
60	280.97	25.57
61	285.77	25.63
62	291.71	25.65
63	300.94	25.71
64	302.44	25.74
65	303.41	25.72
66	313.18	25.72
67	321.05	25.74
68	323.92	25.73
69	328.39	25.80
70	334.66	25.88
71	338.69	26.00
72	345.40	26.02
73	355.83	25.86
74	356.14	25.85
75	356.33	25.85
76	366.87	25.75
77	373.98	25.95
78	377.61	26.09
79	383.27	25.88
80	388.35	25.77
81	391.62	25.79
82	399.09	26.01
83	409.26	26.05
84	409.83	26.04
85	410.71	26.05
86	420.57	26.00
87	426.90	25.97
88	431.30	25.92
89	438.16	25.92
90	442.04	25.93
91	444.54	25.82
92	452.78	25.34
93	462.18	25.64

Order	Station [ft]	Elevation [ft]
94	463.52	25.73
95	465.60	25.79
96	474.26	26.13
97	479.82	26.10
98	485.00	26.04
99	487.90	26.00
100	490.07	26.08
101	491.30	25.98
102	492.09	25.99
103	492.64	25.94
104	493.05	25.92
105	493.36	25.92
106	493.61	25.84
107	493.81	25.92
108	493.97	25.88
109	494.11	25.88
110	494.23	25.84
111	494.34	25.81
112	494.43	25.81
113	494.50	25.85
114	494.57	25.87
115	494.64	25.83
116	494.69	25.87
117	494.74	25.86
118	494.79	25.82
119	494.83	25.80
120	494.87	25.82
121	494.90	25.82
122	494.94	25.83
123	494.97	25.80
124	494.99	25.79
125	495.02	25.83
126	495.04	25.81
127	495.07	25.84
128	495.09	25.83
129	495.11	25.83
130	495.13	25.83
131	495.14	25.84
132	495.16	25.83
133	495.18	25.82
134	495.19	25.81
135	495.20	25.82
136	495.22	25.82
137	495.23	25.83
138	495.24	25.82
139	495.25	25.84
140	495.27	25.86
141	495.28	25.86
142	495.29	25.86

Comment:

Weir Cross Section: OW-WETLAND 7 TO EB TAILWATER

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
0	0.00	25.20
1	1657.16	25.60
2	2942.13	25.20
3	3153.57	26.10

Comment:

Rating Curve: CS-10

Scenario: Icpr3
Type: Time

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	0.0000	0.00
0	0	0	0.5000	0.00
0	0	0	1.0000	0.00
0	0	0	1.5000	0.00
0	0	0	2.0000	0.00
0	0	0	2.5000	0.00
0	0	0	3.0000	0.00
0	0	0	3.5000	0.00
0	0	0	4.0000	0.00
0	0	0	4.5000	0.00
0	0	0	5.0000	0.00
0	0	0	5.5000	0.01
0	0	0	6.0000	0.01
0	0	0	6.5000	0.01
0	0	0	7.0000	0.01
0	0	0	7.5000	0.01
0	0	0	8.0000	0.01
0	0	0	8.5000	0.02
0	0	0	9.0000	0.02
0	0	0	9.5000	0.02
0	0	0	10.0000	0.02
0	0	0	10.5000	0.03
0	0	0	11.0000	0.03
0	0	0	11.5000	0.03

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	12.0000	0.04
0	0	0	12.5000	0.04
0	0	0	13.0000	0.04
0	0	0	13.5000	0.05
0	0	0	14.0000	0.05
0	0	0	14.5000	0.05
0	0	0	15.0000	0.05
0	0	0	15.5000	0.06
0	0	0	16.0000	0.06
0	0	0	16.5000	0.06
0	0	0	17.0000	0.07
0	0	0	17.5000	0.07
0	0	0	18.0000	0.07
0	0	0	18.5000	0.08
0	0	0	19.0000	0.08
0	0	0	19.5000	0.08
0	0	0	20.0000	0.08
0	0	0	20.5000	0.09
0	0	0	21.0000	0.09
0	0	0	21.5000	0.09
0	0	0	22.0000	0.09
0	0	0	22.5000	0.10
0	0	0	23.0000	0.10
0	0	0	23.5000	0.10
0	0	0	24.0000	0.10
0	0	0	24.5000	0.11
0	0	0	25.0000	0.11
0	0	0	25.5000	0.12
0	0	0	26.0000	0.12
0	0	0	26.5000	0.13
0	0	0	27.0000	0.13
0	0	0	27.5000	0.14
0	0	0	28.0000	0.14
0	0	0	28.5000	0.15
0	0	0	29.0000	0.15
0	0	0	29.5000	0.16
0	0	0	30.0000	0.16
0	0	0	30.5000	0.16
0	0	0	31.0000	0.17
0	0	0	31.5000	0.17
0	0	0	32.0000	0.17
0	0	0	32.5000	0.18
0	0	0	33.0000	0.18
0	0	0	33.5000	0.18
0	0	0	34.0000	0.19
0	0	0	34.5000	0.19
0	0	0	35.0000	0.19
0	0	0	35.5000	0.19
0	0	0	36.0000	0.20

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	36.5000	0.20
0	0	0	37.0000	0.20
0	0	0	37.5000	0.20
0	0	0	38.0000	0.21
0	0	0	38.5000	0.21
0	0	0	39.0000	0.21
0	0	0	39.5000	0.21
0	0	0	40.0000	0.21
0	0	0	40.5000	0.21
0	0	0	41.0000	0.22
0	0	0	41.5000	0.22
0	0	0	42.0000	0.22
0	0	0	42.5000	0.22
0	0	0	43.0000	0.22
0	0	0	43.5000	0.22
0	0	0	44.0000	0.22
0	0	0	44.5000	0.22
0	0	0	45.0000	0.22
0	0	0	45.5000	0.22
0	0	0	46.0000	0.22
0	0	0	46.5000	0.23
0	0	0	47.0000	0.23
0	0	0	47.5000	0.23
0	0	0	48.0000	0.23
0	0	0	48.5000	0.23
0	0	0	48.7500	0.23
0	0	0	49.0000	0.23
0	0	0	49.2500	0.23
0	0	0	49.5000	0.23
0	0	0	49.7500	0.23
0	0	0	50.0000	0.24
0	0	0	50.2500	0.23
0	0	0	50.5000	0.24
0	0	0	50.7500	0.24
0	0	0	51.0000	0.24
0	0	0	51.2500	0.25
0	0	0	51.5000	0.25
0	0	0	51.7500	0.25
0	0	0	52.0000	0.25
0	0	0	52.2500	0.26
0	0	0	52.5000	0.27
0	0	0	52.7500	0.27
0	0	0	53.0000	0.27
0	0	0	53.2500	0.28
0	0	0	53.5000	0.29
0	0	0	53.7500	0.30
0	0	0	54.0000	0.31
0	0	0	54.2500	0.32
0	0	0	54.5000	0.33

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	54.7500	0.34
0	0	0	55.0000	0.35
0	0	0	55.2500	0.36
0	0	0	55.4200	0.37
0	0	0	55.5800	0.38
0	0	0	55.7500	0.39
0	0	0	55.9200	0.40
0	0	0	56.0800	0.41
0	0	0	56.2500	0.41
0	0	0	56.4200	0.43
0	0	0	56.5800	0.44
0	0	0	56.7500	0.45
0	0	0	56.9200	0.46
0	0	0	57.0800	0.47
0	0	0	57.2500	0.48
0	0	0	57.4200	0.50
0	0	0	57.5800	0.51
0	0	0	57.7500	0.52
0	0	0	57.9200	0.54
0	0	0	58.0800	0.55
0	0	0	58.2500	0.57
0	0	0	58.4200	0.59
0	0	0	58.5800	0.61
0	0	0	58.7500	0.63
0	0	0	58.9200	0.66
0	0	0	59.0800	0.69
0	0	0	59.2500	0.73
0	0	0	59.4200	0.78
0	0	0	59.5800	0.88
0	0	0	59.7500	2.96
0	0	0	59.9200	6.77
0	0	0	60.0800	9.89
0	0	0	60.2500	9.58
0	0	0	60.4200	8.25
0	0	0	60.5800	7.11
0	0	0	60.7500	5.99
0	0	0	60.9200	5.07
0	0	0	61.0800	4.37
0	0	0	61.3300	3.52
0	0	0	61.5800	2.92
0	0	0	61.8300	2.48
0	0	0	62.0800	2.14
0	0	0	62.3300	1.84
0	0	0	62.5800	1.61
0	0	0	62.8300	1.41
0	0	0	63.0800	1.27
0	0	0	63.3300	1.15
0	0	0	63.5800	1.07
0	0	0	63.8300	0.99

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	64.0800	0.93
0	0	0	64.3300	0.83
0	0	0	64.5800	0.73
0	0	0	64.8300	0.65
0	0	0	65.0800	0.58
0	0	0	65.3300	0.51
0	0	0	65.5800	0.44
0	0	0	65.8300	0.46
0	0	0	66.0800	0.39
0	0	0	66.3300	0.33
0	0	0	66.5800	0.38
0	0	0	66.8300	0.30
0	0	0	67.0800	0.37
0	0	0	67.3300	0.27
0	0	0	67.5800	0.36
0	0	0	67.8300	0.42
0	0	0	68.0800	0.28
0	0	0	68.3300	0.32
0	0	0	68.5800	0.33
0	0	0	68.8300	0.08
0	0	0	69.0800	0.22
0	0	0	69.3300	0.29
0	0	0	69.5800	0.32
0	0	0	69.8300	0.04
0	0	0	70.0800	0.22
0	0	0	70.3300	0.29
0	0	0	70.5800	0.32
0	0	0	70.8300	0.02
0	0	0	71.0800	0.22
0	0	0	71.3300	0.30
0	0	0	71.5800	0.33
0	0	0	71.8300	0.34
0	0	0	72.0800	0.33
0	0	0	73.0800	-0.13
0	0	0	74.0800	0.00
0	0	0	75.0800	0.00
0	0	0	76.0800	0.00
0	0	0	77.0800	0.00
0	0	0	78.0800	0.00
0	0	0	79.0800	0.13
0	0	0	80.0800	0.00
0	0	0	81.0800	0.00
0	0	0	82.0800	0.00
0	0	0	83.0800	0.13
0	0	0	84.0800	0.00
0	0	0	85.0800	0.00
0	0	0	86.0800	0.00
0	0	0	87.0800	0.13
0	0	0	88.0800	0.00

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	89.0800	0.00
0	0	0	90.0800	0.13
0	0	0	91.0800	0.00
0	0	0	92.0800	0.00
0	0	0	93.0800	0.00
0	0	0	94.0800	0.13
0	0	0	95.0800	0.00
0	0	0	96.0800	0.00
0	0	0	97.0800	0.12
0	0	0	98.0800	0.00
0	0	0	99.0800	0.00
0	0	0	100.0800	0.00
0	0	0	101.0800	0.12
0	0	0	102.0800	0.01
0	0	0	103.0800	0.00
0	0	0	104.0800	0.11
0	0	0	105.0800	0.01
0	0	0	106.0800	0.00
0	0	0	107.0800	0.00
0	0	0	108.0800	0.10
0	0	0	109.0800	0.02
0	0	0	110.0800	0.00
0	0	0	111.0800	0.00
0	0	0	112.0800	0.09
0	0	0	113.0800	0.03
0	0	0	114.0800	0.01
0	0	0	115.0800	0.00
0	0	0	116.0800	0.07
0	0	0	117.0800	0.03
0	0	0	118.0800	0.01
0	0	0	119.0800	0.01
0	0	0	120.0800	0.06
0	0	0	121.0800	0.03
0	0	0	122.0800	0.02
0	0	0	123.0800	0.07
0	0	0	124.0800	0.04
0	0	0	125.0800	0.02
0	0	0	126.0800	0.01
0	0	0	127.0800	0.07
0	0	0	128.0800	0.04
0	0	0	129.0800	0.02
0	0	0	130.0800	0.01
0	0	0	131.0800	0.06
0	0	0	132.0800	0.04
0	0	0	133.0800	0.02
0	0	0	134.0800	0.01
0	0	0	135.0800	0.06
0	0	0	136.0800	0.04
0	0	0	137.0800	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	138.0800	0.01
0	0	0	139.0800	0.06
0	0	0	140.0800	0.04
0	0	0	141.0800	0.02
0	0	0	142.0800	0.01
0	0	0	143.0800	0.06
0	0	0	144.0800	0.04
0	0	0	145.0800	0.02
0	0	0	146.0800	0.01
0	0	0	147.0800	0.06
0	0	0	148.0800	0.04
0	0	0	149.0800	0.02
0	0	0	150.0800	0.01
0	0	0	151.0800	0.06
0	0	0	152.0800	0.04
0	0	0	153.0800	0.02
0	0	0	154.0800	0.07
0	0	0	155.0800	0.04
0	0	0	156.0800	0.02
0	0	0	157.0800	0.01
0	0	0	158.0800	0.06
0	0	0	159.0800	0.04
0	0	0	160.0800	0.02
0	0	0	161.0800	0.01
0	0	0	162.0800	0.06
0	0	0	163.0800	0.03
0	0	0	164.0800	0.02
0	0	0	165.0800	0.01
0	0	0	166.0800	0.06
0	0	0	167.0800	0.03
0	0	0	168.0800	0.02
0	0	0	169.0800	0.01
0	0	0	170.0800	0.06
0	0	0	171.0800	0.03
0	0	0	172.0800	0.02
0	0	0	173.0800	0.01
0	0	0	174.0800	0.06
0	0	0	175.0800	0.03
0	0	0	176.0800	0.02
0	0	0	177.0800	0.01
0	0	0	178.0800	0.06
0	0	0	179.0800	0.03
0	0	0	180.0800	0.02
0	0	0	181.0800	0.01
0	0	0	182.0800	0.06
0	0	0	183.0800	0.03
0	0	0	184.0800	0.02
0	0	0	185.0800	0.01
0	0	0	186.0800	0.06

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	187.0800	0.03
0	0	0	188.0800	0.02
0	0	0	189.0800	0.06
0	0	0	190.0800	0.04
0	0	0	191.0800	0.02
0	0	0	192.0800	0.01
0	0	0	193.0800	0.06
0	0	0	194.0800	0.03
0	0	0	195.0800	0.02
0	0	0	196.0800	0.01
0	0	0	197.0800	0.06
0	0	0	198.0800	0.03
0	0	0	199.0800	0.02
0	0	0	200.0800	0.01
0	0	0	201.0800	0.06
0	0	0	202.0800	0.03
0	0	0	203.0800	0.02
0	0	0	204.0800	0.01
0	0	0	205.0800	0.06
0	0	0	206.0800	0.03
0	0	0	207.0800	0.02
0	0	0	208.0800	0.01
0	0	0	209.0800	0.06
0	0	0	210.0800	0.03
0	0	0	211.0800	0.02
0	0	0	212.0800	0.01
0	0	0	213.0800	0.06
0	0	0	214.0800	0.03
0	0	0	215.0800	0.02
0	0	0	216.0800	0.01
0	0	0	217.0800	0.06
0	0	0	218.0800	0.03
0	0	0	219.0800	0.02
0	0	0	220.0800	0.01
0	0	0	221.0800	0.05
0	0	0	222.0800	0.03
0	0	0	223.0800	0.02
0	0	0	224.0800	0.06
0	0	0	225.0800	0.04
0	0	0	226.0800	0.02
0	0	0	227.0800	0.01
0	0	0	228.0800	0.05
0	0	0	229.0800	0.03
0	0	0	230.0800	0.02
0	0	0	231.0800	0.01
0	0	0	232.0800	0.05
0	0	0	233.0800	0.03
0	0	0	234.0800	0.02
0	0	0	235.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	236.0800	0.05
0	0	0	237.0800	0.03
0	0	0	238.0800	0.02
0	0	0	239.0800	0.01
0	0	0	240.0800	0.05
0	0	0	241.0800	0.03
0	0	0	242.0800	0.02
0	0	0	243.0800	0.01
0	0	0	244.0800	0.05
0	0	0	245.0800	0.03
0	0	0	246.0800	0.02
0	0	0	247.0800	0.01
0	0	0	248.0800	0.05
0	0	0	249.0800	0.03
0	0	0	250.0800	0.02
0	0	0	251.0800	0.01
0	0	0	252.0800	0.05
0	0	0	253.0800	0.03
0	0	0	254.0800	0.02
0	0	0	255.0800	0.01
0	0	0	256.0800	0.05
0	0	0	257.0800	0.03
0	0	0	258.0800	0.02
0	0	0	259.0800	0.01
0	0	0	260.0800	0.05
0	0	0	261.0800	0.03
0	0	0	262.0800	0.02
0	0	0	263.0800	0.01
0	0	0	264.0800	0.05
0	0	0	265.0800	0.03
0	0	0	266.0800	0.02
0	0	0	267.0800	0.01
0	0	0	268.0800	0.05
0	0	0	269.0800	0.03
0	0	0	270.0800	0.02
0	0	0	271.0800	0.01
0	0	0	272.0800	0.05
0	0	0	273.0800	0.03
0	0	0	274.0800	0.02
0	0	0	275.0800	0.01
0	0	0	276.0800	0.05
0	0	0	277.0800	0.03
0	0	0	278.0800	0.02
0	0	0	279.0800	0.01
0	0	0	280.0800	0.05
0	0	0	281.0800	0.03
0	0	0	282.0800	0.02
0	0	0	283.0800	0.01
0	0	0	284.0800	0.05

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	285.0800	0.03
0	0	0	286.0800	0.02
0	0	0	287.0800	0.01
0	0	0	288.0800	0.04
0	0	0	289.0800	0.03
0	0	0	290.0800	0.02
0	0	0	291.0800	0.01
0	0	0	292.0800	0.04
0	0	0	293.0800	0.03
0	0	0	294.0800	0.02
0	0	0	295.0800	0.01
0	0	0	296.0800	0.04
0	0	0	297.0800	0.03
0	0	0	298.0800	0.02
0	0	0	299.0800	0.01
0	0	0	300.0800	0.04
0	0	0	301.0800	0.03
0	0	0	302.0800	0.02
0	0	0	303.0800	0.01
0	0	0	304.0800	0.04
0	0	0	305.0800	0.03
0	0	0	306.0800	0.02
0	0	0	307.0800	0.01
0	0	0	308.0800	0.04
0	0	0	309.0800	0.03
0	0	0	310.0800	0.02
0	0	0	311.0800	0.01
0	0	0	312.0800	0.04
0	0	0	313.0800	0.03
0	0	0	314.0800	0.02
0	0	0	315.0800	0.02
0	0	0	316.0800	0.04
0	0	0	317.0800	0.03
0	0	0	318.0800	0.02
0	0	0	319.0800	0.02
0	0	0	320.0800	0.04
0	0	0	321.0800	0.03
0	0	0	322.0800	0.02
0	0	0	323.0800	0.02
0	0	0	324.0800	0.04
0	0	0	325.0800	0.03
0	0	0	326.0800	0.02
0	0	0	327.0800	0.02
0	0	0	328.0800	0.04
0	0	0	329.0800	0.03
0	0	0	330.0800	0.02
0	0	0	331.0800	0.02
0	0	0	332.0800	0.04
0	0	0	333.0800	0.03

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	334.0800	0.02
0	0	0	335.0800	0.02
0	0	0	336.0800	0.03
0	0	0	337.0800	0.03
0	0	0	338.0800	0.02
0	0	0	339.0800	0.02
0	0	0	340.0800	0.03
0	0	0	341.0800	0.03
0	0	0	342.0800	0.02
0	0	0	343.0800	0.02
0	0	0	344.0800	0.01
0	0	0	345.0800	0.03
0	0	0	346.0800	0.03
0	0	0	347.0800	0.02
0	0	0	348.0800	0.02
0	0	0	349.0800	0.03
0	0	0	350.0800	0.03
0	0	0	351.0800	0.02
0	0	0	352.0800	0.02
0	0	0	353.0800	0.03
0	0	0	354.0800	0.03
0	0	0	355.0800	0.02
0	0	0	356.0800	0.02
0	0	0	357.0800	0.03
0	0	0	358.0800	0.03
0	0	0	359.0800	0.02
0	0	0	360.0000	0.02

Comment: Daniels Roadway Control Str# 10

Rating Curve: CS-11

Scenario: Icpr3
Type: Time

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	0.0000	0.00
0	0	0	0.5000	0.00
0	0	0	1.0000	0.00
0	0	0	1.5000	0.00
0	0	0	2.0000	0.00
0	0	0	2.5000	0.00
0	0	0	3.0000	0.00
0	0	0	3.5000	0.00
0	0	0	4.0000	0.00
0	0	0	4.5000	0.00
0	0	0	5.0000	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	5.5000	0.01
0	0	0	6.0000	0.01
0	0	0	6.5000	0.01
0	0	0	7.0000	0.01
0	0	0	7.5000	0.02
0	0	0	8.0000	0.02
0	0	0	8.5000	0.02
0	0	0	9.0000	0.03
0	0	0	9.5000	0.03
0	0	0	10.0000	0.03
0	0	0	10.5000	0.04
0	0	0	11.0000	0.04
0	0	0	11.5000	0.04
0	0	0	12.0000	0.05
0	0	0	12.5000	0.05
0	0	0	13.0000	0.06
0	0	0	13.5000	0.06
0	0	0	14.0000	0.06
0	0	0	14.5000	0.07
0	0	0	15.0000	0.07
0	0	0	15.5000	0.08
0	0	0	16.0000	0.08
0	0	0	16.5000	0.08
0	0	0	17.0000	0.09
0	0	0	17.5000	0.09
0	0	0	18.0000	0.10
0	0	0	18.5000	0.10
0	0	0	19.0000	0.10
0	0	0	19.5000	0.11
0	0	0	20.0000	0.11
0	0	0	20.5000	0.11
0	0	0	21.0000	0.12
0	0	0	21.5000	0.12
0	0	0	22.0000	0.12
0	0	0	22.5000	0.13
0	0	0	23.0000	0.13
0	0	0	23.5000	0.13
0	0	0	24.0000	0.14
0	0	0	24.5000	0.14
0	0	0	25.0000	0.15
0	0	0	25.5000	0.16
0	0	0	26.0000	0.16
0	0	0	26.5000	0.17
0	0	0	27.0000	0.18
0	0	0	27.5000	0.18
0	0	0	28.0000	0.19
0	0	0	28.5000	0.19
0	0	0	29.0000	0.20
0	0	0	29.5000	0.20

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	30.0000	0.21
0	0	0	30.5000	0.22
0	0	0	31.0000	0.22
0	0	0	31.5000	0.22
0	0	0	32.0000	0.23
0	0	0	32.5000	0.23
0	0	0	33.0000	0.24
0	0	0	33.5000	0.24
0	0	0	34.0000	0.25
0	0	0	34.5000	0.25
0	0	0	35.0000	0.25
0	0	0	35.5000	0.26
0	0	0	36.0000	0.26
0	0	0	36.5000	0.26
0	0	0	37.0000	0.27
0	0	0	37.5000	0.27
0	0	0	38.0000	0.27
0	0	0	38.5000	0.28
0	0	0	39.0000	0.28
0	0	0	39.5000	0.28
0	0	0	40.0000	0.28
0	0	0	40.5000	0.28
0	0	0	41.0000	0.29
0	0	0	41.5000	0.29
0	0	0	42.0000	0.29
0	0	0	42.5000	0.29
0	0	0	43.0000	0.29
0	0	0	43.5000	0.29
0	0	0	44.0000	0.29
0	0	0	44.5000	0.30
0	0	0	45.0000	0.30
0	0	0	45.5000	0.30
0	0	0	46.0000	0.30
0	0	0	46.5000	0.30
0	0	0	47.0000	0.30
0	0	0	47.5000	0.30
0	0	0	48.0000	0.30
0	0	0	48.5000	0.30
0	0	0	48.7500	0.31
0	0	0	49.0000	0.30
0	0	0	49.2500	0.31
0	0	0	49.5000	0.31
0	0	0	49.7500	0.31
0	0	0	50.0000	0.31
0	0	0	50.2500	0.31
0	0	0	50.5000	0.31
0	0	0	50.7500	0.32
0	0	0	51.0000	0.32
0	0	0	51.2500	0.33

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	51.5000	0.33
0	0	0	51.7500	0.33
0	0	0	52.0000	0.34
0	0	0	52.2500	0.34
0	0	0	52.5000	0.35
0	0	0	52.7500	0.36
0	0	0	53.0000	0.36
0	0	0	53.2500	0.37
0	0	0	53.5000	0.39
0	0	0	53.7500	0.39
0	0	0	54.0000	0.41
0	0	0	54.2500	0.42
0	0	0	54.5000	0.43
0	0	0	54.7500	0.45
0	0	0	55.0000	0.46
0	0	0	55.2500	0.48
0	0	0	55.4200	0.49
0	0	0	55.5800	0.50
0	0	0	55.7500	0.51
0	0	0	55.9200	0.52
0	0	0	56.0800	0.54
0	0	0	56.2500	0.55
0	0	0	56.4200	0.56
0	0	0	56.5800	0.58
0	0	0	56.7500	0.59
0	0	0	56.9200	0.60
0	0	0	57.0800	0.62
0	0	0	57.2500	0.63
0	0	0	57.4200	0.65
0	0	0	57.5800	0.68
0	0	0	57.7500	0.69
0	0	0	57.9200	0.71
0	0	0	58.0800	0.73
0	0	0	58.2500	0.76
0	0	0	58.4200	0.78
0	0	0	58.5800	0.80
0	0	0	58.7500	0.84
0	0	0	58.9200	0.87
0	0	0	59.0800	0.91
0	0	0	59.2500	0.97
0	0	0	59.4200	1.03
0	0	0	59.5800	1.16
0	0	0	59.7500	3.91
0	0	0	59.9200	8.95
0	0	0	60.0800	13.07
0	0	0	60.2500	12.66
0	0	0	60.4200	10.91
0	0	0	60.5800	9.40
0	0	0	60.7500	7.92

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	60.9200	6.70
0	0	0	61.0800	5.78
0	0	0	61.3300	4.65
0	0	0	61.5800	3.86
0	0	0	61.8300	3.27
0	0	0	62.0800	2.83
0	0	0	62.3300	2.43
0	0	0	62.5800	2.12
0	0	0	62.8300	1.87
0	0	0	63.0800	1.68
0	0	0	63.3300	1.52
0	0	0	63.5800	1.42
0	0	0	63.8300	1.31
0	0	0	64.0800	1.23
0	0	0	64.3300	1.10
0	0	0	64.5800	0.97
0	0	0	64.8300	0.86
0	0	0	65.0800	0.76
0	0	0	65.3300	0.67
0	0	0	65.5800	0.58
0	0	0	65.8300	0.60
0	0	0	66.0800	0.52
0	0	0	66.3300	0.43
0	0	0	66.5800	0.50
0	0	0	66.8300	0.40
0	0	0	67.0800	0.49
0	0	0	67.3300	0.35
0	0	0	67.5800	0.48
0	0	0	67.8300	0.56
0	0	0	68.0800	0.37
0	0	0	68.3300	0.42
0	0	0	68.5800	0.44
0	0	0	68.8300	0.10
0	0	0	69.0800	0.29
0	0	0	69.3300	0.38
0	0	0	69.5800	0.42
0	0	0	69.8300	0.05
0	0	0	70.0800	0.29
0	0	0	70.3300	0.39
0	0	0	70.5800	0.43
0	0	0	70.8300	0.03
0	0	0	71.0800	0.29
0	0	0	71.3300	0.40
0	0	0	71.5800	0.44
0	0	0	71.8300	0.45
0	0	0	72.0800	0.44
0	0	0	73.0800	-0.17
0	0	0	74.0800	0.00
0	0	0	75.0800	0.00

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	76.0800	0.00
0	0	0	77.0800	0.00
0	0	0	78.0800	0.00
0	0	0	79.0800	0.18
0	0	0	80.0800	0.00
0	0	0	81.0800	0.00
0	0	0	82.0800	0.00
0	0	0	83.0800	0.17
0	0	0	84.0800	0.00
0	0	0	85.0800	0.00
0	0	0	86.0800	0.00
0	0	0	87.0800	0.17
0	0	0	88.0800	0.00
0	0	0	89.0800	0.00
0	0	0	90.0800	0.17
0	0	0	91.0800	0.00
0	0	0	92.0800	0.00
0	0	0	93.0800	0.00
0	0	0	94.0800	0.17
0	0	0	95.0800	0.00
0	0	0	96.0800	0.00
0	0	0	97.0800	0.16
0	0	0	98.0800	0.01
0	0	0	99.0800	0.00
0	0	0	100.0800	0.00
0	0	0	101.0800	0.16
0	0	0	102.0800	0.01
0	0	0	103.0800	0.00
0	0	0	104.0800	0.15
0	0	0	105.0800	0.01
0	0	0	106.0800	0.00
0	0	0	107.0800	0.00
0	0	0	108.0800	0.13
0	0	0	109.0800	0.02
0	0	0	110.0800	0.00
0	0	0	111.0800	0.00
0	0	0	112.0800	0.11
0	0	0	113.0800	0.04
0	0	0	114.0800	0.01
0	0	0	115.0800	0.00
0	0	0	116.0800	0.09
0	0	0	117.0800	0.04
0	0	0	118.0800	0.02
0	0	0	119.0800	0.01
0	0	0	120.0800	0.08
0	0	0	121.0800	0.05
0	0	0	122.0800	0.02
0	0	0	123.0800	0.09
0	0	0	124.0800	0.05

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	125.0800	0.03
0	0	0	126.0800	0.01
0	0	0	127.0800	0.09
0	0	0	128.0800	0.05
0	0	0	129.0800	0.03
0	0	0	130.0800	0.01
0	0	0	131.0800	0.09
0	0	0	132.0800	0.05
0	0	0	133.0800	0.02
0	0	0	134.0800	0.01
0	0	0	135.0800	0.08
0	0	0	136.0800	0.05
0	0	0	137.0800	0.02
0	0	0	138.0800	0.01
0	0	0	139.0800	0.08
0	0	0	140.0800	0.05
0	0	0	141.0800	0.02
0	0	0	142.0800	0.01
0	0	0	143.0800	0.08
0	0	0	144.0800	0.05
0	0	0	145.0800	0.02
0	0	0	146.0800	0.01
0	0	0	147.0800	0.08
0	0	0	148.0800	0.05
0	0	0	149.0800	0.03
0	0	0	150.0800	0.01
0	0	0	151.0800	0.08
0	0	0	152.0800	0.05
0	0	0	153.0800	0.03
0	0	0	154.0800	0.09
0	0	0	155.0800	0.05
0	0	0	156.0800	0.03
0	0	0	157.0800	0.01
0	0	0	158.0800	0.08
0	0	0	159.0800	0.05
0	0	0	160.0800	0.03
0	0	0	161.0800	0.01
0	0	0	162.0800	0.08
0	0	0	163.0800	0.05
0	0	0	164.0800	0.03
0	0	0	165.0800	0.01
0	0	0	166.0800	0.08
0	0	0	167.0800	0.05
0	0	0	168.0800	0.03
0	0	0	169.0800	0.01
0	0	0	170.0800	0.08
0	0	0	171.0800	0.05
0	0	0	172.0800	0.03
0	0	0	173.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	174.0800	0.08
0	0	0	175.0800	0.05
0	0	0	176.0800	0.03
0	0	0	177.0800	0.01
0	0	0	178.0800	0.08
0	0	0	179.0800	0.05
0	0	0	180.0800	0.03
0	0	0	181.0800	0.01
0	0	0	182.0800	0.08
0	0	0	183.0800	0.05
0	0	0	184.0800	0.03
0	0	0	185.0800	0.01
0	0	0	186.0800	0.08
0	0	0	187.0800	0.05
0	0	0	188.0800	0.03
0	0	0	189.0800	0.08
0	0	0	190.0800	0.05
0	0	0	191.0800	0.03
0	0	0	192.0800	0.02
0	0	0	193.0800	0.08
0	0	0	194.0800	0.05
0	0	0	195.0800	0.03
0	0	0	196.0800	0.01
0	0	0	197.0800	0.08
0	0	0	198.0800	0.04
0	0	0	199.0800	0.03
0	0	0	200.0800	0.01
0	0	0	201.0800	0.08
0	0	0	202.0800	0.04
0	0	0	203.0800	0.03
0	0	0	204.0800	0.01
0	0	0	205.0800	0.07
0	0	0	206.0800	0.04
0	0	0	207.0800	0.03
0	0	0	208.0800	0.01
0	0	0	209.0800	0.07
0	0	0	210.0800	0.04
0	0	0	211.0800	0.03
0	0	0	212.0800	0.01
0	0	0	213.0800	0.07
0	0	0	214.0800	0.04
0	0	0	215.0800	0.03
0	0	0	216.0800	0.01
0	0	0	217.0800	0.07
0	0	0	218.0800	0.04
0	0	0	219.0800	0.03
0	0	0	220.0800	0.01
0	0	0	221.0800	0.07
0	0	0	222.0800	0.04

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	223.0800	0.03
0	0	0	224.0800	0.08
0	0	0	225.0800	0.05
0	0	0	226.0800	0.03
0	0	0	227.0800	0.02
0	0	0	228.0800	0.07
0	0	0	229.0800	0.04
0	0	0	230.0800	0.03
0	0	0	231.0800	0.02
0	0	0	232.0800	0.07
0	0	0	233.0800	0.04
0	0	0	234.0800	0.03
0	0	0	235.0800	0.02
0	0	0	236.0800	0.07
0	0	0	237.0800	0.04
0	0	0	238.0800	0.03
0	0	0	239.0800	0.02
0	0	0	240.0800	0.07
0	0	0	241.0800	0.04
0	0	0	242.0800	0.03
0	0	0	243.0800	0.02
0	0	0	244.0800	0.07
0	0	0	245.0800	0.04
0	0	0	246.0800	0.03
0	0	0	247.0800	0.02
0	0	0	248.0800	0.07
0	0	0	249.0800	0.04
0	0	0	250.0800	0.03
0	0	0	251.0800	0.02
0	0	0	252.0800	0.07
0	0	0	253.0800	0.04
0	0	0	254.0800	0.03
0	0	0	255.0800	0.02
0	0	0	256.0800	0.07
0	0	0	257.0800	0.04
0	0	0	258.0800	0.03
0	0	0	259.0800	0.02
0	0	0	260.0800	0.07
0	0	0	261.0800	0.04
0	0	0	262.0800	0.03
0	0	0	263.0800	0.02
0	0	0	264.0800	0.06
0	0	0	265.0800	0.04
0	0	0	266.0800	0.03
0	0	0	267.0800	0.02
0	0	0	268.0800	0.06
0	0	0	269.0800	0.04
0	0	0	270.0800	0.03
0	0	0	271.0800	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	272.0800	0.06
0	0	0	273.0800	0.04
0	0	0	274.0800	0.03
0	0	0	275.0800	0.02
0	0	0	276.0800	0.06
0	0	0	277.0800	0.04
0	0	0	278.0800	0.03
0	0	0	279.0800	0.02
0	0	0	280.0800	0.06
0	0	0	281.0800	0.04
0	0	0	282.0800	0.03
0	0	0	283.0800	0.02
0	0	0	284.0800	0.06
0	0	0	285.0800	0.04
0	0	0	286.0800	0.03
0	0	0	287.0800	0.02
0	0	0	288.0800	0.06
0	0	0	289.0800	0.04
0	0	0	290.0800	0.03
0	0	0	291.0800	0.02
0	0	0	292.0800	0.06
0	0	0	293.0800	0.04
0	0	0	294.0800	0.03
0	0	0	295.0800	0.02
0	0	0	296.0800	0.06
0	0	0	297.0800	0.04
0	0	0	298.0800	0.03
0	0	0	299.0800	0.02
0	0	0	300.0800	0.06
0	0	0	301.0800	0.04
0	0	0	302.0800	0.03
0	0	0	303.0800	0.02
0	0	0	304.0800	0.06
0	0	0	305.0800	0.04
0	0	0	306.0800	0.03
0	0	0	307.0800	0.02
0	0	0	308.0800	0.05
0	0	0	309.0800	0.04
0	0	0	310.0800	0.03
0	0	0	311.0800	0.02
0	0	0	312.0800	0.05
0	0	0	313.0800	0.04
0	0	0	314.0800	0.03
0	0	0	315.0800	0.02
0	0	0	316.0800	0.05
0	0	0	317.0800	0.04
0	0	0	318.0800	0.03
0	0	0	319.0800	0.02
0	0	0	320.0800	0.05

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	321.0800	0.04
0	0	0	322.0800	0.03
0	0	0	323.0800	0.02
0	0	0	324.0800	0.05
0	0	0	325.0800	0.04
0	0	0	326.0800	0.03
0	0	0	327.0800	0.02
0	0	0	328.0800	0.05
0	0	0	329.0800	0.04
0	0	0	330.0800	0.03
0	0	0	331.0800	0.02
0	0	0	332.0800	0.05
0	0	0	333.0800	0.04
0	0	0	334.0800	0.03
0	0	0	335.0800	0.02
0	0	0	336.0800	0.05
0	0	0	337.0800	0.04
0	0	0	338.0800	0.03
0	0	0	339.0800	0.02
0	0	0	340.0800	0.04
0	0	0	341.0800	0.04
0	0	0	342.0800	0.03
0	0	0	343.0800	0.02
0	0	0	344.0800	0.02
0	0	0	345.0800	0.04
0	0	0	346.0800	0.03
0	0	0	347.0800	0.03
0	0	0	348.0800	0.02
0	0	0	349.0800	0.04
0	0	0	350.0800	0.03
0	0	0	351.0800	0.03
0	0	0	352.0800	0.02
0	0	0	353.0800	0.04
0	0	0	354.0800	0.03
0	0	0	355.0800	0.03
0	0	0	356.0800	0.02
0	0	0	357.0800	0.04
0	0	0	358.0800	0.03
0	0	0	359.0800	0.03
0	0	0	360.0000	0.03

Comment: Daniels Roadway Control Str# 11

Rating Curve: CS-12

Scenario: Icpr3
Type: Time

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	0.0000	0.00
0	0	0	0.5000	0.00
0	0	0	1.0000	0.00
0	0	0	1.5000	0.00
0	0	0	2.0000	0.00
0	0	0	2.5000	0.00
0	0	0	3.0000	0.00
0	0	0	3.5000	0.00
0	0	0	4.0000	0.00
0	0	0	4.5000	0.00
0	0	0	5.0000	0.00
0	0	0	5.5000	0.00
0	0	0	6.0000	0.01
0	0	0	6.5000	0.01
0	0	0	7.0000	0.01
0	0	0	7.5000	0.01
0	0	0	8.0000	0.01
0	0	0	8.5000	0.01
0	0	0	9.0000	0.01
0	0	0	9.5000	0.02
0	0	0	10.0000	0.02
0	0	0	10.5000	0.02
0	0	0	11.0000	0.02
0	0	0	11.5000	0.03
0	0	0	12.0000	0.03
0	0	0	12.5000	0.03
0	0	0	13.0000	0.03
0	0	0	13.5000	0.03
0	0	0	14.0000	0.04
0	0	0	14.5000	0.04
0	0	0	15.0000	0.04
0	0	0	15.5000	0.04
0	0	0	16.0000	0.05
0	0	0	16.5000	0.05
0	0	0	17.0000	0.05
0	0	0	17.5000	0.05
0	0	0	18.0000	0.05
0	0	0	18.5000	0.06
0	0	0	19.0000	0.06
0	0	0	19.5000	0.06
0	0	0	20.0000	0.06
0	0	0	20.5000	0.07
0	0	0	21.0000	0.07
0	0	0	21.5000	0.07
0	0	0	22.0000	0.07
0	0	0	22.5000	0.07
0	0	0	23.0000	0.07
0	0	0	23.5000	0.08

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	24.0000	0.08
0	0	0	24.5000	0.08
0	0	0	25.0000	0.09
0	0	0	25.5000	0.09
0	0	0	26.0000	0.09
0	0	0	26.5000	0.10
0	0	0	27.0000	0.10
0	0	0	27.5000	0.10
0	0	0	28.0000	0.11
0	0	0	28.5000	0.11
0	0	0	29.0000	0.11
0	0	0	29.5000	0.12
0	0	0	30.0000	0.12
0	0	0	30.5000	0.12
0	0	0	31.0000	0.13
0	0	0	31.5000	0.13
0	0	0	32.0000	0.13
0	0	0	32.5000	0.13
0	0	0	33.0000	0.14
0	0	0	33.5000	0.14
0	0	0	34.0000	0.14
0	0	0	34.5000	0.14
0	0	0	35.0000	0.14
0	0	0	35.5000	0.15
0	0	0	36.0000	0.15
0	0	0	36.5000	0.15
0	0	0	37.0000	0.15
0	0	0	37.5000	0.15
0	0	0	38.0000	0.16
0	0	0	38.5000	0.16
0	0	0	39.0000	0.16
0	0	0	39.5000	0.16
0	0	0	40.0000	0.16
0	0	0	40.5000	0.16
0	0	0	41.0000	0.16
0	0	0	41.5000	0.16
0	0	0	42.0000	0.16
0	0	0	42.5000	0.17
0	0	0	43.0000	0.17
0	0	0	43.5000	0.17
0	0	0	44.0000	0.17
0	0	0	44.5000	0.17
0	0	0	45.0000	0.17
0	0	0	45.5000	0.17
0	0	0	46.0000	0.17
0	0	0	46.5000	0.17
0	0	0	47.0000	0.17
0	0	0	47.5000	0.17
0	0	0	48.0000	0.17

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	48.5000	0.17
0	0	0	48.7500	0.17
0	0	0	49.0000	0.17
0	0	0	49.2500	0.17
0	0	0	49.5000	0.18
0	0	0	49.7500	0.18
0	0	0	50.0000	0.18
0	0	0	50.2500	0.18
0	0	0	50.5000	0.18
0	0	0	50.7500	0.18
0	0	0	51.0000	0.18
0	0	0	51.2500	0.19
0	0	0	51.5000	0.19
0	0	0	51.7500	0.19
0	0	0	52.0000	0.19
0	0	0	52.2500	0.20
0	0	0	52.5000	0.20
0	0	0	52.7500	0.20
0	0	0	53.0000	0.21
0	0	0	53.2500	0.21
0	0	0	53.5000	0.22
0	0	0	53.7500	0.23
0	0	0	54.0000	0.23
0	0	0	54.2500	0.24
0	0	0	54.5000	0.25
0	0	0	54.7500	0.26
0	0	0	55.0000	0.26
0	0	0	55.2500	0.27
0	0	0	55.4200	0.28
0	0	0	55.5800	0.29
0	0	0	55.7500	0.29
0	0	0	55.9200	0.30
0	0	0	56.0800	0.31
0	0	0	56.2500	0.31
0	0	0	56.4200	0.32
0	0	0	56.5800	0.33
0	0	0	56.7500	0.34
0	0	0	56.9200	0.35
0	0	0	57.0800	0.36
0	0	0	57.2500	0.36
0	0	0	57.4200	0.37
0	0	0	57.5800	0.39
0	0	0	57.7500	0.40
0	0	0	57.9200	0.41
0	0	0	58.0800	0.42
0	0	0	58.2500	0.43
0	0	0	58.4200	0.45
0	0	0	58.5800	0.46
0	0	0	58.7500	0.48

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	58.9200	0.50
0	0	0	59.0800	0.52
0	0	0	59.2500	0.55
0	0	0	59.4200	0.59
0	0	0	59.5800	0.66
0	0	0	59.7500	2.24
0	0	0	59.9200	5.12
0	0	0	60.0800	7.47
0	0	0	60.2500	7.24
0	0	0	60.4200	6.24
0	0	0	60.5800	5.37
0	0	0	60.7500	4.53
0	0	0	60.9200	3.83
0	0	0	61.0800	3.30
0	0	0	61.3300	2.66
0	0	0	61.5800	2.21
0	0	0	61.8300	1.87
0	0	0	62.0800	1.62
0	0	0	62.3300	1.39
0	0	0	62.5800	1.21
0	0	0	62.8300	1.07
0	0	0	63.0800	0.96
0	0	0	63.3300	0.87
0	0	0	63.5800	0.81
0	0	0	63.8300	0.75
0	0	0	64.0800	0.70
0	0	0	64.3300	0.63
0	0	0	64.5800	0.55
0	0	0	64.8300	0.49
0	0	0	65.0800	0.44
0	0	0	65.3300	0.38
0	0	0	65.5800	0.33
0	0	0	65.8300	0.35
0	0	0	66.0800	0.30
0	0	0	66.3300	0.25
0	0	0	66.5800	0.29
0	0	0	66.8300	0.23
0	0	0	67.0800	0.28
0	0	0	67.3300	0.20
0	0	0	67.5800	0.27
0	0	0	67.8300	0.32
0	0	0	68.0800	0.21
0	0	0	68.3300	0.24
0	0	0	68.5800	0.25
0	0	0	68.8300	0.06
0	0	0	69.0800	0.17
0	0	0	69.3300	0.22
0	0	0	69.5800	0.24
0	0	0	69.8300	0.03

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	70.0800	0.16
0	0	0	70.3300	0.22
0	0	0	70.5800	0.25
0	0	0	70.8300	0.02
0	0	0	71.0800	0.17
0	0	0	71.3300	0.23
0	0	0	71.5800	0.25
0	0	0	71.8300	0.26
0	0	0	72.0800	0.25
0	0	0	73.0800	-0.10
0	0	0	74.0800	0.00
0	0	0	75.0800	0.00
0	0	0	76.0800	0.00
0	0	0	77.0800	0.00
0	0	0	78.0800	0.00
0	0	0	79.0800	0.10
0	0	0	80.0800	0.00
0	0	0	81.0800	0.00
0	0	0	82.0800	0.00
0	0	0	83.0800	0.10
0	0	0	84.0800	0.00
0	0	0	85.0800	0.00
0	0	0	86.0800	0.00
0	0	0	87.0800	0.10
0	0	0	88.0800	0.00
0	0	0	89.0800	0.00
0	0	0	90.0800	0.10
0	0	0	91.0800	0.00
0	0	0	92.0800	0.00
0	0	0	93.0800	0.00
0	0	0	94.0800	0.10
0	0	0	95.0800	0.00
0	0	0	96.0800	0.00
0	0	0	97.0800	0.09
0	0	0	98.0800	0.00
0	0	0	99.0800	0.00
0	0	0	100.0800	0.00
0	0	0	101.0800	0.09
0	0	0	102.0800	0.01
0	0	0	103.0800	0.00
0	0	0	104.0800	0.08
0	0	0	105.0800	0.01
0	0	0	106.0800	0.00
0	0	0	107.0800	0.00
0	0	0	108.0800	0.08
0	0	0	109.0800	0.01
0	0	0	110.0800	0.00
0	0	0	111.0800	0.00
0	0	0	112.0800	0.06

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	113.0800	0.02
0	0	0	114.0800	0.00
0	0	0	115.0800	0.00
0	0	0	116.0800	0.05
0	0	0	117.0800	0.02
0	0	0	118.0800	0.01
0	0	0	119.0800	0.00
0	0	0	120.0800	0.05
0	0	0	121.0800	0.03
0	0	0	122.0800	0.01
0	0	0	123.0800	0.05
0	0	0	124.0800	0.03
0	0	0	125.0800	0.02
0	0	0	126.0800	0.01
0	0	0	127.0800	0.05
0	0	0	128.0800	0.03
0	0	0	129.0800	0.01
0	0	0	130.0800	0.01
0	0	0	131.0800	0.05
0	0	0	132.0800	0.03
0	0	0	133.0800	0.01
0	0	0	134.0800	0.01
0	0	0	135.0800	0.05
0	0	0	136.0800	0.03
0	0	0	137.0800	0.01
0	0	0	138.0800	0.01
0	0	0	139.0800	0.05
0	0	0	140.0800	0.03
0	0	0	141.0800	0.01
0	0	0	142.0800	0.01
0	0	0	143.0800	0.05
0	0	0	144.0800	0.03
0	0	0	145.0800	0.01
0	0	0	146.0800	0.01
0	0	0	147.0800	0.05
0	0	0	148.0800	0.03
0	0	0	149.0800	0.01
0	0	0	150.0800	0.01
0	0	0	151.0800	0.05
0	0	0	152.0800	0.03
0	0	0	153.0800	0.01
0	0	0	154.0800	0.05
0	0	0	155.0800	0.03
0	0	0	156.0800	0.02
0	0	0	157.0800	0.01
0	0	0	158.0800	0.05
0	0	0	159.0800	0.03
0	0	0	160.0800	0.01
0	0	0	161.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	162.0800	0.05
0	0	0	163.0800	0.03
0	0	0	164.0800	0.01
0	0	0	165.0800	0.01
0	0	0	166.0800	0.05
0	0	0	167.0800	0.03
0	0	0	168.0800	0.01
0	0	0	169.0800	0.01
0	0	0	170.0800	0.05
0	0	0	171.0800	0.03
0	0	0	172.0800	0.01
0	0	0	173.0800	0.01
0	0	0	174.0800	0.05
0	0	0	175.0800	0.03
0	0	0	176.0800	0.01
0	0	0	177.0800	0.01
0	0	0	178.0800	0.05
0	0	0	179.0800	0.03
0	0	0	180.0800	0.01
0	0	0	181.0800	0.01
0	0	0	182.0800	0.04
0	0	0	183.0800	0.03
0	0	0	184.0800	0.01
0	0	0	185.0800	0.01
0	0	0	186.0800	0.04
0	0	0	187.0800	0.03
0	0	0	188.0800	0.01
0	0	0	189.0800	0.05
0	0	0	190.0800	0.03
0	0	0	191.0800	0.02
0	0	0	192.0800	0.01
0	0	0	193.0800	0.04
0	0	0	194.0800	0.03
0	0	0	195.0800	0.01
0	0	0	196.0800	0.01
0	0	0	197.0800	0.04
0	0	0	198.0800	0.03
0	0	0	199.0800	0.01
0	0	0	200.0800	0.01
0	0	0	201.0800	0.04
0	0	0	202.0800	0.03
0	0	0	203.0800	0.01
0	0	0	204.0800	0.01
0	0	0	205.0800	0.04
0	0	0	206.0800	0.03
0	0	0	207.0800	0.01
0	0	0	208.0800	0.01
0	0	0	209.0800	0.04
0	0	0	210.0800	0.03

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	211.0800	0.01
0	0	0	212.0800	0.01
0	0	0	213.0800	0.04
0	0	0	214.0800	0.03
0	0	0	215.0800	0.01
0	0	0	216.0800	0.01
0	0	0	217.0800	0.04
0	0	0	218.0800	0.03
0	0	0	219.0800	0.01
0	0	0	220.0800	0.01
0	0	0	221.0800	0.04
0	0	0	222.0800	0.03
0	0	0	223.0800	0.01
0	0	0	224.0800	0.04
0	0	0	225.0800	0.03
0	0	0	226.0800	0.02
0	0	0	227.0800	0.01
0	0	0	228.0800	0.04
0	0	0	229.0800	0.03
0	0	0	230.0800	0.02
0	0	0	231.0800	0.01
0	0	0	232.0800	0.04
0	0	0	233.0800	0.03
0	0	0	234.0800	0.01
0	0	0	235.0800	0.01
0	0	0	236.0800	0.04
0	0	0	237.0800	0.03
0	0	0	238.0800	0.01
0	0	0	239.0800	0.01
0	0	0	240.0800	0.04
0	0	0	241.0800	0.03
0	0	0	242.0800	0.01
0	0	0	243.0800	0.01
0	0	0	244.0800	0.04
0	0	0	245.0800	0.02
0	0	0	246.0800	0.02
0	0	0	247.0800	0.01
0	0	0	248.0800	0.04
0	0	0	249.0800	0.02
0	0	0	250.0800	0.02
0	0	0	251.0800	0.01
0	0	0	252.0800	0.04
0	0	0	253.0800	0.02
0	0	0	254.0800	0.02
0	0	0	255.0800	0.01
0	0	0	256.0800	0.04
0	0	0	257.0800	0.02
0	0	0	258.0800	0.02
0	0	0	259.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	260.0800	0.04
0	0	0	261.0800	0.02
0	0	0	262.0800	0.02
0	0	0	263.0800	0.01
0	0	0	264.0800	0.04
0	0	0	265.0800	0.02
0	0	0	266.0800	0.02
0	0	0	267.0800	0.01
0	0	0	268.0800	0.04
0	0	0	269.0800	0.02
0	0	0	270.0800	0.02
0	0	0	271.0800	0.01
0	0	0	272.0800	0.04
0	0	0	273.0800	0.02
0	0	0	274.0800	0.02
0	0	0	275.0800	0.01
0	0	0	276.0800	0.04
0	0	0	277.0800	0.02
0	0	0	278.0800	0.02
0	0	0	279.0800	0.01
0	0	0	280.0800	0.03
0	0	0	281.0800	0.02
0	0	0	282.0800	0.02
0	0	0	283.0800	0.01
0	0	0	284.0800	0.03
0	0	0	285.0800	0.02
0	0	0	286.0800	0.02
0	0	0	287.0800	0.01
0	0	0	288.0800	0.03
0	0	0	289.0800	0.02
0	0	0	290.0800	0.02
0	0	0	291.0800	0.01
0	0	0	292.0800	0.03
0	0	0	293.0800	0.02
0	0	0	294.0800	0.02
0	0	0	295.0800	0.01
0	0	0	296.0800	0.03
0	0	0	297.0800	0.02
0	0	0	298.0800	0.02
0	0	0	299.0800	0.01
0	0	0	300.0800	0.03
0	0	0	301.0800	0.02
0	0	0	302.0800	0.02
0	0	0	303.0800	0.01
0	0	0	304.0800	0.03
0	0	0	305.0800	0.02
0	0	0	306.0800	0.02
0	0	0	307.0800	0.01
0	0	0	308.0800	0.03

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	309.0800	0.02
0	0	0	310.0800	0.02
0	0	0	311.0800	0.01
0	0	0	312.0800	0.03
0	0	0	313.0800	0.02
0	0	0	314.0800	0.02
0	0	0	315.0800	0.01
0	0	0	316.0800	0.03
0	0	0	317.0800	0.02
0	0	0	318.0800	0.02
0	0	0	319.0800	0.01
0	0	0	320.0800	0.03
0	0	0	321.0800	0.02
0	0	0	322.0800	0.02
0	0	0	323.0800	0.01
0	0	0	324.0800	0.03
0	0	0	325.0800	0.02
0	0	0	326.0800	0.02
0	0	0	327.0800	0.01
0	0	0	328.0800	0.03
0	0	0	329.0800	0.02
0	0	0	330.0800	0.02
0	0	0	331.0800	0.01
0	0	0	332.0800	0.03
0	0	0	333.0800	0.02
0	0	0	334.0800	0.02
0	0	0	335.0800	0.01
0	0	0	336.0800	0.03
0	0	0	337.0800	0.02
0	0	0	338.0800	0.02
0	0	0	339.0800	0.01
0	0	0	340.0800	0.03
0	0	0	341.0800	0.02
0	0	0	342.0800	0.02
0	0	0	343.0800	0.01
0	0	0	344.0800	0.01
0	0	0	345.0800	0.02
0	0	0	346.0800	0.02
0	0	0	347.0800	0.02
0	0	0	348.0800	0.01
0	0	0	349.0800	0.02
0	0	0	350.0800	0.02
0	0	0	351.0800	0.02
0	0	0	352.0800	0.01
0	0	0	353.0800	0.02
0	0	0	354.0800	0.02
0	0	0	355.0800	0.02
0	0	0	356.0800	0.01
0	0	0	357.0800	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	358.0800	0.02
0	0	0	359.0800	0.02
0	0	0	360.0000	0.01

Comment: Daniels Roadway Control Str# 12

Rating Curve: CS-13

Scenario: Icpr3
Type: Time

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	0.0000	0.00
0	0	0	0.5000	0.00
0	0	0	1.0000	0.00
0	0	0	1.5000	0.00
0	0	0	2.0000	0.00
0	0	0	2.5000	0.00
0	0	0	3.0000	0.00
0	0	0	3.5000	0.00
0	0	0	4.0000	0.00
0	0	0	4.5000	0.00
0	0	0	5.0000	0.00
0	0	0	5.5000	0.00
0	0	0	6.0000	0.01
0	0	0	6.5000	0.01
0	0	0	7.0000	0.01
0	0	0	7.5000	0.01
0	0	0	8.0000	0.01
0	0	0	8.5000	0.01
0	0	0	9.0000	0.02
0	0	0	9.5000	0.02
0	0	0	10.0000	0.02
0	0	0	10.5000	0.02
0	0	0	11.0000	0.03
0	0	0	11.5000	0.03
0	0	0	12.0000	0.03
0	0	0	12.5000	0.03
0	0	0	13.0000	0.04
0	0	0	13.5000	0.04
0	0	0	14.0000	0.04
0	0	0	14.5000	0.04
0	0	0	15.0000	0.05
0	0	0	15.5000	0.05
0	0	0	16.0000	0.05
0	0	0	16.5000	0.05
0	0	0	17.0000	0.06

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	17.5000	0.06
0	0	0	18.0000	0.06
0	0	0	18.5000	0.06
0	0	0	19.0000	0.07
0	0	0	19.5000	0.07
0	0	0	20.0000	0.07
0	0	0	20.5000	0.07
0	0	0	21.0000	0.07
0	0	0	21.5000	0.08
0	0	0	22.0000	0.08
0	0	0	22.5000	0.08
0	0	0	23.0000	0.08
0	0	0	23.5000	0.09
0	0	0	24.0000	0.09
0	0	0	24.5000	0.09
0	0	0	25.0000	0.10
0	0	0	25.5000	0.10
0	0	0	26.0000	0.10
0	0	0	26.5000	0.11
0	0	0	27.0000	0.11
0	0	0	27.5000	0.12
0	0	0	28.0000	0.12
0	0	0	28.5000	0.12
0	0	0	29.0000	0.13
0	0	0	29.5000	0.13
0	0	0	30.0000	0.13
0	0	0	30.5000	0.14
0	0	0	31.0000	0.14
0	0	0	31.5000	0.14
0	0	0	32.0000	0.15
0	0	0	32.5000	0.15
0	0	0	33.0000	0.15
0	0	0	33.5000	0.15
0	0	0	34.0000	0.16
0	0	0	34.5000	0.16
0	0	0	35.0000	0.16
0	0	0	35.5000	0.16
0	0	0	36.0000	0.17
0	0	0	36.5000	0.17
0	0	0	37.0000	0.17
0	0	0	37.5000	0.17
0	0	0	38.0000	0.17
0	0	0	38.5000	0.18
0	0	0	39.0000	0.18
0	0	0	39.5000	0.18
0	0	0	40.0000	0.18
0	0	0	40.5000	0.18
0	0	0	41.0000	0.18
0	0	0	41.5000	0.18

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	42.0000	0.18
0	0	0	42.5000	0.19
0	0	0	43.0000	0.19
0	0	0	43.5000	0.19
0	0	0	44.0000	0.19
0	0	0	44.5000	0.19
0	0	0	45.0000	0.19
0	0	0	45.5000	0.19
0	0	0	46.0000	0.19
0	0	0	46.5000	0.19
0	0	0	47.0000	0.19
0	0	0	47.5000	0.19
0	0	0	48.0000	0.19
0	0	0	48.5000	0.19
0	0	0	48.7500	0.19
0	0	0	49.0000	0.19
0	0	0	49.2500	0.19
0	0	0	49.5000	0.20
0	0	0	49.7500	0.20
0	0	0	50.0000	0.20
0	0	0	50.2500	0.20
0	0	0	50.5000	0.20
0	0	0	50.7500	0.20
0	0	0	51.0000	0.21
0	0	0	51.2500	0.21
0	0	0	51.5000	0.21
0	0	0	51.7500	0.21
0	0	0	52.0000	0.21
0	0	0	52.2500	0.22
0	0	0	52.5000	0.22
0	0	0	52.7500	0.23
0	0	0	53.0000	0.23
0	0	0	53.2500	0.24
0	0	0	53.5000	0.25
0	0	0	53.7500	0.25
0	0	0	54.0000	0.26
0	0	0	54.2500	0.27
0	0	0	54.5000	0.27
0	0	0	54.7500	0.29
0	0	0	55.0000	0.30
0	0	0	55.2500	0.30
0	0	0	55.4200	0.31
0	0	0	55.5800	0.32
0	0	0	55.7500	0.33
0	0	0	55.9200	0.33
0	0	0	56.0800	0.34
0	0	0	56.2500	0.35
0	0	0	56.4200	0.36
0	0	0	56.5800	0.37

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	56.7500	0.38
0	0	0	56.9200	0.39
0	0	0	57.0800	0.40
0	0	0	57.2500	0.40
0	0	0	57.4200	0.42
0	0	0	57.5800	0.43
0	0	0	57.7500	0.44
0	0	0	57.9200	0.46
0	0	0	58.0800	0.47
0	0	0	58.2500	0.48
0	0	0	58.4200	0.50
0	0	0	58.5800	0.51
0	0	0	58.7500	0.53
0	0	0	58.9200	0.56
0	0	0	59.0800	0.58
0	0	0	59.2500	0.62
0	0	0	59.4200	0.66
0	0	0	59.5800	0.74
0	0	0	59.7500	2.49
0	0	0	59.9200	5.71
0	0	0	60.0800	8.33
0	0	0	60.2500	8.07
0	0	0	60.4200	6.95
0	0	0	60.5800	5.99
0	0	0	60.7500	5.05
0	0	0	60.9200	4.27
0	0	0	61.0800	3.68
0	0	0	61.3300	2.96
0	0	0	61.5800	2.46
0	0	0	61.8300	2.09
0	0	0	62.0800	1.80
0	0	0	62.3300	1.55
0	0	0	62.5800	1.35
0	0	0	62.8300	1.19
0	0	0	63.0800	1.07
0	0	0	63.3300	0.97
0	0	0	63.5800	0.90
0	0	0	63.8300	0.83
0	0	0	64.0800	0.79
0	0	0	64.3300	0.70
0	0	0	64.5800	0.62
0	0	0	64.8300	0.55
0	0	0	65.0800	0.49
0	0	0	65.3300	0.43
0	0	0	65.5800	0.37
0	0	0	65.8300	0.38
0	0	0	66.0800	0.33
0	0	0	66.3300	0.27
0	0	0	66.5800	0.32

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	66.8300	0.25
0	0	0	67.0800	0.31
0	0	0	67.3300	0.23
0	0	0	67.5800	0.31
0	0	0	67.8300	0.36
0	0	0	68.0800	0.23
0	0	0	68.3300	0.27
0	0	0	68.5800	0.28
0	0	0	68.8300	0.06
0	0	0	69.0800	0.19
0	0	0	69.3300	0.24
0	0	0	69.5800	0.27
0	0	0	69.8300	0.03
0	0	0	70.0800	0.18
0	0	0	70.3300	0.25
0	0	0	70.5800	0.27
0	0	0	70.8300	0.02
0	0	0	71.0800	0.19
0	0	0	71.3300	0.25
0	0	0	71.5800	0.28
0	0	0	71.8300	0.29
0	0	0	72.0800	0.28
0	0	0	73.0800	-0.11
0	0	0	74.0800	0.00
0	0	0	75.0800	0.00
0	0	0	76.0800	0.00
0	0	0	77.0800	0.00
0	0	0	78.0800	0.00
0	0	0	79.0800	0.11
0	0	0	80.0800	0.00
0	0	0	81.0800	0.00
0	0	0	82.0800	0.00
0	0	0	83.0800	0.11
0	0	0	84.0800	0.00
0	0	0	85.0800	0.00
0	0	0	86.0800	0.00
0	0	0	87.0800	0.11
0	0	0	88.0800	0.00
0	0	0	89.0800	0.00
0	0	0	90.0800	0.11
0	0	0	91.0800	0.00
0	0	0	92.0800	0.00
0	0	0	93.0800	0.00
0	0	0	94.0800	0.11
0	0	0	95.0800	0.00
0	0	0	96.0800	0.00
0	0	0	97.0800	0.10
0	0	0	98.0800	0.00
0	0	0	99.0800	0.00

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	100.0800	0.00
0	0	0	101.0800	0.10
0	0	0	102.0800	0.01
0	0	0	103.0800	0.00
0	0	0	104.0800	0.09
0	0	0	105.0800	0.01
0	0	0	106.0800	0.00
0	0	0	107.0800	0.00
0	0	0	108.0800	0.08
0	0	0	109.0800	0.02
0	0	0	110.0800	0.00
0	0	0	111.0800	0.00
0	0	0	112.0800	0.07
0	0	0	113.0800	0.02
0	0	0	114.0800	0.01
0	0	0	115.0800	0.00
0	0	0	116.0800	0.06
0	0	0	117.0800	0.03
0	0	0	118.0800	0.01
0	0	0	119.0800	0.01
0	0	0	120.0800	0.05
0	0	0	121.0800	0.03
0	0	0	122.0800	0.02
0	0	0	123.0800	0.06
0	0	0	124.0800	0.03
0	0	0	125.0800	0.02
0	0	0	126.0800	0.01
0	0	0	127.0800	0.06
0	0	0	128.0800	0.03
0	0	0	129.0800	0.02
0	0	0	130.0800	0.01
0	0	0	131.0800	0.05
0	0	0	132.0800	0.03
0	0	0	133.0800	0.02
0	0	0	134.0800	0.01
0	0	0	135.0800	0.05
0	0	0	136.0800	0.03
0	0	0	137.0800	0.02
0	0	0	138.0800	0.01
0	0	0	139.0800	0.05
0	0	0	140.0800	0.03
0	0	0	141.0800	0.02
0	0	0	142.0800	0.01
0	0	0	143.0800	0.05
0	0	0	144.0800	0.03
0	0	0	145.0800	0.02
0	0	0	146.0800	0.01
0	0	0	147.0800	0.05
0	0	0	148.0800	0.03

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	149.0800	0.02
0	0	0	150.0800	0.01
0	0	0	151.0800	0.05
0	0	0	152.0800	0.03
0	0	0	153.0800	0.02
0	0	0	154.0800	0.06
0	0	0	155.0800	0.03
0	0	0	156.0800	0.02
0	0	0	157.0800	0.01
0	0	0	158.0800	0.05
0	0	0	159.0800	0.03
0	0	0	160.0800	0.02
0	0	0	161.0800	0.01
0	0	0	162.0800	0.05
0	0	0	163.0800	0.03
0	0	0	164.0800	0.02
0	0	0	165.0800	0.01
0	0	0	166.0800	0.05
0	0	0	167.0800	0.03
0	0	0	168.0800	0.02
0	0	0	169.0800	0.01
0	0	0	170.0800	0.05
0	0	0	171.0800	0.03
0	0	0	172.0800	0.02
0	0	0	173.0800	0.01
0	0	0	174.0800	0.05
0	0	0	175.0800	0.03
0	0	0	176.0800	0.02
0	0	0	177.0800	0.01
0	0	0	178.0800	0.05
0	0	0	179.0800	0.03
0	0	0	180.0800	0.02
0	0	0	181.0800	0.01
0	0	0	182.0800	0.05
0	0	0	183.0800	0.03
0	0	0	184.0800	0.02
0	0	0	185.0800	0.01
0	0	0	186.0800	0.05
0	0	0	187.0800	0.03
0	0	0	188.0800	0.02
0	0	0	189.0800	0.05
0	0	0	190.0800	0.03
0	0	0	191.0800	0.02
0	0	0	192.0800	0.01
0	0	0	193.0800	0.05
0	0	0	194.0800	0.03
0	0	0	195.0800	0.02
0	0	0	196.0800	0.01
0	0	0	197.0800	0.05

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	198.0800	0.03
0	0	0	199.0800	0.02
0	0	0	200.0800	0.01
0	0	0	201.0800	0.05
0	0	0	202.0800	0.03
0	0	0	203.0800	0.02
0	0	0	204.0800	0.01
0	0	0	205.0800	0.05
0	0	0	206.0800	0.03
0	0	0	207.0800	0.02
0	0	0	208.0800	0.01
0	0	0	209.0800	0.05
0	0	0	210.0800	0.03
0	0	0	211.0800	0.02
0	0	0	212.0800	0.01
0	0	0	213.0800	0.05
0	0	0	214.0800	0.03
0	0	0	215.0800	0.02
0	0	0	216.0800	0.01
0	0	0	217.0800	0.05
0	0	0	218.0800	0.03
0	0	0	219.0800	0.02
0	0	0	220.0800	0.01
0	0	0	221.0800	0.05
0	0	0	222.0800	0.03
0	0	0	223.0800	0.02
0	0	0	224.0800	0.05
0	0	0	225.0800	0.03
0	0	0	226.0800	0.02
0	0	0	227.0800	0.01
0	0	0	228.0800	0.05
0	0	0	229.0800	0.03
0	0	0	230.0800	0.02
0	0	0	231.0800	0.01
0	0	0	232.0800	0.04
0	0	0	233.0800	0.03
0	0	0	234.0800	0.02
0	0	0	235.0800	0.01
0	0	0	236.0800	0.04
0	0	0	237.0800	0.03
0	0	0	238.0800	0.02
0	0	0	239.0800	0.01
0	0	0	240.0800	0.04
0	0	0	241.0800	0.03
0	0	0	242.0800	0.02
0	0	0	243.0800	0.01
0	0	0	244.0800	0.04
0	0	0	245.0800	0.03
0	0	0	246.0800	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	247.0800	0.01
0	0	0	248.0800	0.04
0	0	0	249.0800	0.03
0	0	0	250.0800	0.02
0	0	0	251.0800	0.01
0	0	0	252.0800	0.04
0	0	0	253.0800	0.03
0	0	0	254.0800	0.02
0	0	0	255.0800	0.01
0	0	0	256.0800	0.04
0	0	0	257.0800	0.03
0	0	0	258.0800	0.02
0	0	0	259.0800	0.01
0	0	0	260.0800	0.04
0	0	0	261.0800	0.03
0	0	0	262.0800	0.02
0	0	0	263.0800	0.01
0	0	0	264.0800	0.04
0	0	0	265.0800	0.03
0	0	0	266.0800	0.02
0	0	0	267.0800	0.01
0	0	0	268.0800	0.04
0	0	0	269.0800	0.03
0	0	0	270.0800	0.02
0	0	0	271.0800	0.01
0	0	0	272.0800	0.04
0	0	0	273.0800	0.03
0	0	0	274.0800	0.02
0	0	0	275.0800	0.01
0	0	0	276.0800	0.04
0	0	0	277.0800	0.03
0	0	0	278.0800	0.02
0	0	0	279.0800	0.01
0	0	0	280.0800	0.04
0	0	0	281.0800	0.03
0	0	0	282.0800	0.02
0	0	0	283.0800	0.01
0	0	0	284.0800	0.04
0	0	0	285.0800	0.03
0	0	0	286.0800	0.02
0	0	0	287.0800	0.01
0	0	0	288.0800	0.04
0	0	0	289.0800	0.03
0	0	0	290.0800	0.02
0	0	0	291.0800	0.01
0	0	0	292.0800	0.04
0	0	0	293.0800	0.03
0	0	0	294.0800	0.02
0	0	0	295.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	296.0800	0.04
0	0	0	297.0800	0.03
0	0	0	298.0800	0.02
0	0	0	299.0800	0.01
0	0	0	300.0800	0.04
0	0	0	301.0800	0.03
0	0	0	302.0800	0.02
0	0	0	303.0800	0.01
0	0	0	304.0800	0.04
0	0	0	305.0800	0.03
0	0	0	306.0800	0.02
0	0	0	307.0800	0.01
0	0	0	308.0800	0.03
0	0	0	309.0800	0.03
0	0	0	310.0800	0.02
0	0	0	311.0800	0.01
0	0	0	312.0800	0.03
0	0	0	313.0800	0.03
0	0	0	314.0800	0.02
0	0	0	315.0800	0.01
0	0	0	316.0800	0.03
0	0	0	317.0800	0.03
0	0	0	318.0800	0.02
0	0	0	319.0800	0.01
0	0	0	320.0800	0.03
0	0	0	321.0800	0.03
0	0	0	322.0800	0.02
0	0	0	323.0800	0.01
0	0	0	324.0800	0.03
0	0	0	325.0800	0.02
0	0	0	326.0800	0.02
0	0	0	327.0800	0.01
0	0	0	328.0800	0.03
0	0	0	329.0800	0.02
0	0	0	330.0800	0.02
0	0	0	331.0800	0.01
0	0	0	332.0800	0.03
0	0	0	333.0800	0.02
0	0	0	334.0800	0.02
0	0	0	335.0800	0.01
0	0	0	336.0800	0.03
0	0	0	337.0800	0.02
0	0	0	338.0800	0.02
0	0	0	339.0800	0.01
0	0	0	340.0800	0.03
0	0	0	341.0800	0.02
0	0	0	342.0800	0.02
0	0	0	343.0800	0.01
0	0	0	344.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	345.0800	0.03
0	0	0	346.0800	0.02
0	0	0	347.0800	0.02
0	0	0	348.0800	0.01
0	0	0	349.0800	0.03
0	0	0	350.0800	0.02
0	0	0	351.0800	0.02
0	0	0	352.0800	0.01
0	0	0	353.0800	0.03
0	0	0	354.0800	0.02
0	0	0	355.0800	0.02
0	0	0	356.0800	0.02
0	0	0	357.0800	0.02
0	0	0	358.0800	0.02
0	0	0	359.0800	0.02
0	0	0	360.0000	0.02

Comment: Daniels Roadway Control Str# 13

Rating Curve: CS-14

Scenario: Icpr3
Type: Time

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	0.0000	0.00
0	0	0	0.5000	0.00
0	0	0	1.0000	0.00
0	0	0	1.5000	0.00
0	0	0	2.0000	0.00
0	0	0	2.5000	0.00
0	0	0	3.0000	0.00
0	0	0	3.5000	0.00
0	0	0	4.0000	0.00
0	0	0	4.5000	0.00
0	0	0	5.0000	0.00
0	0	0	5.5000	0.00
0	0	0	6.0000	0.00
0	0	0	6.5000	0.01
0	0	0	7.0000	0.01
0	0	0	7.5000	0.01
0	0	0	8.0000	0.01
0	0	0	8.5000	0.01
0	0	0	9.0000	0.01
0	0	0	9.5000	0.02
0	0	0	10.0000	0.02
0	0	0	10.5000	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	11.0000	0.02
0	0	0	11.5000	0.02
0	0	0	12.0000	0.02
0	0	0	12.5000	0.03
0	0	0	13.0000	0.03
0	0	0	13.5000	0.03
0	0	0	14.0000	0.03
0	0	0	14.5000	0.04
0	0	0	15.0000	0.04
0	0	0	15.5000	0.04
0	0	0	16.0000	0.04
0	0	0	16.5000	0.04
0	0	0	17.0000	0.05
0	0	0	17.5000	0.05
0	0	0	18.0000	0.05
0	0	0	18.5000	0.05
0	0	0	19.0000	0.05
0	0	0	19.5000	0.06
0	0	0	20.0000	0.06
0	0	0	20.5000	0.06
0	0	0	21.0000	0.06
0	0	0	21.5000	0.06
0	0	0	22.0000	0.06
0	0	0	22.5000	0.07
0	0	0	23.0000	0.07
0	0	0	23.5000	0.07
0	0	0	24.0000	0.07
0	0	0	24.5000	0.07
0	0	0	25.0000	0.08
0	0	0	25.5000	0.08
0	0	0	26.0000	0.08
0	0	0	26.5000	0.09
0	0	0	27.0000	0.09
0	0	0	27.5000	0.09
0	0	0	28.0000	0.10
0	0	0	28.5000	0.10
0	0	0	29.0000	0.10
0	0	0	29.5000	0.11
0	0	0	30.0000	0.11
0	0	0	30.5000	0.11
0	0	0	31.0000	0.11
0	0	0	31.5000	0.12
0	0	0	32.0000	0.12
0	0	0	32.5000	0.12
0	0	0	33.0000	0.12
0	0	0	33.5000	0.13
0	0	0	34.0000	0.13
0	0	0	34.5000	0.13
0	0	0	35.0000	0.13

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	35.5000	0.13
0	0	0	36.0000	0.14
0	0	0	36.5000	0.14
0	0	0	37.0000	0.14
0	0	0	37.5000	0.14
0	0	0	38.0000	0.14
0	0	0	38.5000	0.14
0	0	0	39.0000	0.14
0	0	0	39.5000	0.15
0	0	0	40.0000	0.15
0	0	0	40.5000	0.15
0	0	0	41.0000	0.15
0	0	0	41.5000	0.15
0	0	0	42.0000	0.15
0	0	0	42.5000	0.15
0	0	0	43.0000	0.15
0	0	0	43.5000	0.15
0	0	0	44.0000	0.15
0	0	0	44.5000	0.15
0	0	0	45.0000	0.15
0	0	0	45.5000	0.15
0	0	0	46.0000	0.15
0	0	0	46.5000	0.16
0	0	0	47.0000	0.16
0	0	0	47.5000	0.16
0	0	0	48.0000	0.16
0	0	0	48.5000	0.16
0	0	0	48.7500	0.16
0	0	0	49.0000	0.16
0	0	0	49.2500	0.16
0	0	0	49.5000	0.16
0	0	0	49.7500	0.16
0	0	0	50.0000	0.16
0	0	0	50.2500	0.16
0	0	0	50.5000	0.16
0	0	0	50.7500	0.17
0	0	0	51.0000	0.17
0	0	0	51.2500	0.17
0	0	0	51.5000	0.17
0	0	0	51.7500	0.17
0	0	0	52.0000	0.17
0	0	0	52.2500	0.18
0	0	0	52.5000	0.18
0	0	0	52.7500	0.18
0	0	0	53.0000	0.19
0	0	0	53.2500	0.19
0	0	0	53.5000	0.20
0	0	0	53.7500	0.20
0	0	0	54.0000	0.21

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	54.2500	0.22
0	0	0	54.5000	0.22
0	0	0	54.7500	0.23
0	0	0	55.0000	0.24
0	0	0	55.2500	0.25
0	0	0	55.4200	0.25
0	0	0	55.5800	0.26
0	0	0	55.7500	0.27
0	0	0	55.9200	0.27
0	0	0	56.0800	0.28
0	0	0	56.2500	0.28
0	0	0	56.4200	0.29
0	0	0	56.5800	0.30
0	0	0	56.7500	0.31
0	0	0	56.9200	0.31
0	0	0	57.0800	0.32
0	0	0	57.2500	0.33
0	0	0	57.4200	0.34
0	0	0	57.5800	0.35
0	0	0	57.7500	0.36
0	0	0	57.9200	0.37
0	0	0	58.0800	0.38
0	0	0	58.2500	0.39
0	0	0	58.4200	0.41
0	0	0	58.5800	0.42
0	0	0	58.7500	0.44
0	0	0	58.9200	0.45
0	0	0	59.0800	0.47
0	0	0	59.2500	0.50
0	0	0	59.4200	0.54
0	0	0	59.5800	0.60
0	0	0	59.7500	2.03
0	0	0	59.9200	4.66
0	0	0	60.0800	6.80
0	0	0	60.2500	6.58
0	0	0	60.4200	5.67
0	0	0	60.5800	4.89
0	0	0	60.7500	4.12
0	0	0	60.9200	3.48
0	0	0	61.0800	3.00
0	0	0	61.3300	2.42
0	0	0	61.5800	2.01
0	0	0	61.8300	1.70
0	0	0	62.0800	1.47
0	0	0	62.3300	1.27
0	0	0	62.5800	1.10
0	0	0	62.8300	0.97
0	0	0	63.0800	0.88
0	0	0	63.3300	0.79

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	63.5800	0.74
0	0	0	63.8300	0.68
0	0	0	64.0800	0.64
0	0	0	64.3300	0.57
0	0	0	64.5800	0.50
0	0	0	64.8300	0.45
0	0	0	65.0800	0.40
0	0	0	65.3300	0.35
0	0	0	65.5800	0.30
0	0	0	65.8300	0.31
0	0	0	66.0800	0.27
0	0	0	66.3300	0.22
0	0	0	66.5800	0.26
0	0	0	66.8300	0.21
0	0	0	67.0800	0.25
0	0	0	67.3300	0.18
0	0	0	67.5800	0.25
0	0	0	67.8300	0.29
0	0	0	68.0800	0.19
0	0	0	68.3300	0.22
0	0	0	68.5800	0.23
0	0	0	68.8300	0.05
0	0	0	69.0800	0.15
0	0	0	69.3300	0.20
0	0	0	69.5800	0.22
0	0	0	69.8300	0.03
0	0	0	70.0800	0.15
0	0	0	70.3300	0.20
0	0	0	70.5800	0.22
0	0	0	70.8300	0.02
0	0	0	71.0800	0.15
0	0	0	71.3300	0.21
0	0	0	71.5800	0.23
0	0	0	71.8300	0.24
0	0	0	72.0800	0.23
0	0	0	73.0800	-0.09
0	0	0	74.0800	0.00
0	0	0	75.0800	0.00
0	0	0	76.0800	0.00
0	0	0	77.0800	0.00
0	0	0	78.0800	0.00
0	0	0	79.0800	0.09
0	0	0	80.0800	0.00
0	0	0	81.0800	0.00
0	0	0	82.0800	0.00
0	0	0	83.0800	0.09
0	0	0	84.0800	0.00
0	0	0	85.0800	0.00
0	0	0	86.0800	0.00

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	87.0800	0.09
0	0	0	88.0800	0.00
0	0	0	89.0800	0.00
0	0	0	90.0800	0.09
0	0	0	91.0800	0.00
0	0	0	92.0800	0.00
0	0	0	93.0800	0.00
0	0	0	94.0800	0.09
0	0	0	95.0800	0.00
0	0	0	96.0800	0.00
0	0	0	97.0800	0.08
0	0	0	98.0800	0.00
0	0	0	99.0800	0.00
0	0	0	100.0800	0.00
0	0	0	101.0800	0.08
0	0	0	102.0800	0.00
0	0	0	103.0800	0.00
0	0	0	104.0800	0.08
0	0	0	105.0800	0.01
0	0	0	106.0800	0.00
0	0	0	107.0800	0.00
0	0	0	108.0800	0.07
0	0	0	109.0800	0.01
0	0	0	110.0800	0.00
0	0	0	111.0800	0.00
0	0	0	112.0800	0.06
0	0	0	113.0800	0.02
0	0	0	114.0800	0.00
0	0	0	115.0800	0.00
0	0	0	116.0800	0.05
0	0	0	117.0800	0.02
0	0	0	118.0800	0.01
0	0	0	119.0800	0.00
0	0	0	120.0800	0.04
0	0	0	121.0800	0.02
0	0	0	122.0800	0.01
0	0	0	123.0800	0.05
0	0	0	124.0800	0.03
0	0	0	125.0800	0.01
0	0	0	126.0800	0.01
0	0	0	127.0800	0.04
0	0	0	128.0800	0.02
0	0	0	129.0800	0.01
0	0	0	130.0800	0.01
0	0	0	131.0800	0.04
0	0	0	132.0800	0.02
0	0	0	133.0800	0.01
0	0	0	134.0800	0.01
0	0	0	135.0800	0.04

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	136.0800	0.02
0	0	0	137.0800	0.01
0	0	0	138.0800	0.01
0	0	0	139.0800	0.04
0	0	0	140.0800	0.02
0	0	0	141.0800	0.01
0	0	0	142.0800	0.01
0	0	0	143.0800	0.04
0	0	0	144.0800	0.02
0	0	0	145.0800	0.01
0	0	0	146.0800	0.01
0	0	0	147.0800	0.04
0	0	0	148.0800	0.02
0	0	0	149.0800	0.01
0	0	0	150.0800	0.01
0	0	0	151.0800	0.04
0	0	0	152.0800	0.02
0	0	0	153.0800	0.01
0	0	0	154.0800	0.05
0	0	0	155.0800	0.03
0	0	0	156.0800	0.01
0	0	0	157.0800	0.01
0	0	0	158.0800	0.04
0	0	0	159.0800	0.02
0	0	0	160.0800	0.01
0	0	0	161.0800	0.01
0	0	0	162.0800	0.04
0	0	0	163.0800	0.02
0	0	0	164.0800	0.01
0	0	0	165.0800	0.01
0	0	0	166.0800	0.04
0	0	0	167.0800	0.02
0	0	0	168.0800	0.01
0	0	0	169.0800	0.01
0	0	0	170.0800	0.04
0	0	0	171.0800	0.02
0	0	0	172.0800	0.01
0	0	0	173.0800	0.01
0	0	0	174.0800	0.04
0	0	0	175.0800	0.02
0	0	0	176.0800	0.01
0	0	0	177.0800	0.01
0	0	0	178.0800	0.04
0	0	0	179.0800	0.02
0	0	0	180.0800	0.01
0	0	0	181.0800	0.01
0	0	0	182.0800	0.04
0	0	0	183.0800	0.02
0	0	0	184.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	185.0800	0.01
0	0	0	186.0800	0.04
0	0	0	187.0800	0.02
0	0	0	188.0800	0.01
0	0	0	189.0800	0.04
0	0	0	190.0800	0.03
0	0	0	191.0800	0.01
0	0	0	192.0800	0.01
0	0	0	193.0800	0.04
0	0	0	194.0800	0.02
0	0	0	195.0800	0.01
0	0	0	196.0800	0.01
0	0	0	197.0800	0.04
0	0	0	198.0800	0.02
0	0	0	199.0800	0.01
0	0	0	200.0800	0.01
0	0	0	201.0800	0.04
0	0	0	202.0800	0.02
0	0	0	203.0800	0.01
0	0	0	204.0800	0.01
0	0	0	205.0800	0.04
0	0	0	206.0800	0.02
0	0	0	207.0800	0.01
0	0	0	208.0800	0.01
0	0	0	209.0800	0.04
0	0	0	210.0800	0.02
0	0	0	211.0800	0.01
0	0	0	212.0800	0.01
0	0	0	213.0800	0.04
0	0	0	214.0800	0.02
0	0	0	215.0800	0.01
0	0	0	216.0800	0.01
0	0	0	217.0800	0.04
0	0	0	218.0800	0.02
0	0	0	219.0800	0.01
0	0	0	220.0800	0.01
0	0	0	221.0800	0.04
0	0	0	222.0800	0.02
0	0	0	223.0800	0.01
0	0	0	224.0800	0.04
0	0	0	225.0800	0.02
0	0	0	226.0800	0.01
0	0	0	227.0800	0.01
0	0	0	228.0800	0.04
0	0	0	229.0800	0.02
0	0	0	230.0800	0.01
0	0	0	231.0800	0.01
0	0	0	232.0800	0.04
0	0	0	233.0800	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	234.0800	0.01
0	0	0	235.0800	0.01
0	0	0	236.0800	0.04
0	0	0	237.0800	0.02
0	0	0	238.0800	0.01
0	0	0	239.0800	0.01
0	0	0	240.0800	0.04
0	0	0	241.0800	0.02
0	0	0	242.0800	0.01
0	0	0	243.0800	0.01
0	0	0	244.0800	0.04
0	0	0	245.0800	0.02
0	0	0	246.0800	0.01
0	0	0	247.0800	0.01
0	0	0	248.0800	0.04
0	0	0	249.0800	0.02
0	0	0	250.0800	0.01
0	0	0	251.0800	0.01
0	0	0	252.0800	0.03
0	0	0	253.0800	0.02
0	0	0	254.0800	0.01
0	0	0	255.0800	0.01
0	0	0	256.0800	0.03
0	0	0	257.0800	0.02
0	0	0	258.0800	0.01
0	0	0	259.0800	0.01
0	0	0	260.0800	0.03
0	0	0	261.0800	0.02
0	0	0	262.0800	0.01
0	0	0	263.0800	0.01
0	0	0	264.0800	0.03
0	0	0	265.0800	0.02
0	0	0	266.0800	0.01
0	0	0	267.0800	0.01
0	0	0	268.0800	0.03
0	0	0	269.0800	0.02
0	0	0	270.0800	0.01
0	0	0	271.0800	0.01
0	0	0	272.0800	0.03
0	0	0	273.0800	0.02
0	0	0	274.0800	0.01
0	0	0	275.0800	0.01
0	0	0	276.0800	0.03
0	0	0	277.0800	0.02
0	0	0	278.0800	0.01
0	0	0	279.0800	0.01
0	0	0	280.0800	0.03
0	0	0	281.0800	0.02
0	0	0	282.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	283.0800	0.01
0	0	0	284.0800	0.03
0	0	0	285.0800	0.02
0	0	0	286.0800	0.01
0	0	0	287.0800	0.01
0	0	0	288.0800	0.03
0	0	0	289.0800	0.02
0	0	0	290.0800	0.01
0	0	0	291.0800	0.01
0	0	0	292.0800	0.03
0	0	0	293.0800	0.02
0	0	0	294.0800	0.01
0	0	0	295.0800	0.01
0	0	0	296.0800	0.03
0	0	0	297.0800	0.02
0	0	0	298.0800	0.01
0	0	0	299.0800	0.01
0	0	0	300.0800	0.03
0	0	0	301.0800	0.02
0	0	0	302.0800	0.01
0	0	0	303.0800	0.01
0	0	0	304.0800	0.03
0	0	0	305.0800	0.02
0	0	0	306.0800	0.01
0	0	0	307.0800	0.01
0	0	0	308.0800	0.03
0	0	0	309.0800	0.02
0	0	0	310.0800	0.01
0	0	0	311.0800	0.01
0	0	0	312.0800	0.03
0	0	0	313.0800	0.02
0	0	0	314.0800	0.01
0	0	0	315.0800	0.01
0	0	0	316.0800	0.03
0	0	0	317.0800	0.02
0	0	0	318.0800	0.02
0	0	0	319.0800	0.01
0	0	0	320.0800	0.03
0	0	0	321.0800	0.02
0	0	0	322.0800	0.02
0	0	0	323.0800	0.01
0	0	0	324.0800	0.03
0	0	0	325.0800	0.02
0	0	0	326.0800	0.02
0	0	0	327.0800	0.01
0	0	0	328.0800	0.03
0	0	0	329.0800	0.02
0	0	0	330.0800	0.02
0	0	0	331.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	332.0800	0.02
0	0	0	333.0800	0.02
0	0	0	334.0800	0.02
0	0	0	335.0800	0.01
0	0	0	336.0800	0.02
0	0	0	337.0800	0.02
0	0	0	338.0800	0.02
0	0	0	339.0800	0.01
0	0	0	340.0800	0.02
0	0	0	341.0800	0.02
0	0	0	342.0800	0.02
0	0	0	343.0800	0.01
0	0	0	344.0800	0.01
0	0	0	345.0800	0.02
0	0	0	346.0800	0.02
0	0	0	347.0800	0.01
0	0	0	348.0800	0.01
0	0	0	349.0800	0.02
0	0	0	350.0800	0.02
0	0	0	351.0800	0.01
0	0	0	352.0800	0.01
0	0	0	353.0800	0.02
0	0	0	354.0800	0.02
0	0	0	355.0800	0.02
0	0	0	356.0800	0.01
0	0	0	357.0800	0.02
0	0	0	358.0800	0.02
0	0	0	359.0800	0.02
0	0	0	360.0000	0.01

Comment: Daniels Roadway Control Str# 14

Rating Curve: CS-15

Scenario: Icpr3
Type: Time

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	0.0000	0.00
0	0	0	0.5000	0.00
0	0	0	1.0000	0.00
0	0	0	1.5000	0.00
0	0	0	2.0000	0.00
0	0	0	2.5000	0.00
0	0	0	3.0000	0.00
0	0	0	3.5000	0.00
0	0	0	4.0000	0.00

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	4.5000	0.00
0	0	0	5.0000	0.00
0	0	0	5.5000	0.00
0	0	0	6.0000	0.00
0	0	0	6.5000	0.01
0	0	0	7.0000	0.01
0	0	0	7.5000	0.01
0	0	0	8.0000	0.01
0	0	0	8.5000	0.01
0	0	0	9.0000	0.01
0	0	0	9.5000	0.02
0	0	0	10.0000	0.02
0	0	0	10.5000	0.02
0	0	0	11.0000	0.02
0	0	0	11.5000	0.02
0	0	0	12.0000	0.02
0	0	0	12.5000	0.03
0	0	0	13.0000	0.03
0	0	0	13.5000	0.03
0	0	0	14.0000	0.03
0	0	0	14.5000	0.04
0	0	0	15.0000	0.04
0	0	0	15.5000	0.04
0	0	0	16.0000	0.04
0	0	0	16.5000	0.04
0	0	0	17.0000	0.05
0	0	0	17.5000	0.05
0	0	0	18.0000	0.05
0	0	0	18.5000	0.05
0	0	0	19.0000	0.05
0	0	0	19.5000	0.06
0	0	0	20.0000	0.06
0	0	0	20.5000	0.06
0	0	0	21.0000	0.06
0	0	0	21.5000	0.06
0	0	0	22.0000	0.06
0	0	0	22.5000	0.07
0	0	0	23.0000	0.07
0	0	0	23.5000	0.07
0	0	0	24.0000	0.07
0	0	0	24.5000	0.07
0	0	0	25.0000	0.08
0	0	0	25.5000	0.08
0	0	0	26.0000	0.08
0	0	0	26.5000	0.09
0	0	0	27.0000	0.09
0	0	0	27.5000	0.09
0	0	0	28.0000	0.10
0	0	0	28.5000	0.10

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	29.0000	0.10
0	0	0	29.5000	0.11
0	0	0	30.0000	0.11
0	0	0	30.5000	0.11
0	0	0	31.0000	0.11
0	0	0	31.5000	0.12
0	0	0	32.0000	0.12
0	0	0	32.5000	0.12
0	0	0	33.0000	0.12
0	0	0	33.5000	0.13
0	0	0	34.0000	0.13
0	0	0	34.5000	0.13
0	0	0	35.0000	0.13
0	0	0	35.5000	0.13
0	0	0	36.0000	0.14
0	0	0	36.5000	0.14
0	0	0	37.0000	0.14
0	0	0	37.5000	0.14
0	0	0	38.0000	0.14
0	0	0	38.5000	0.14
0	0	0	39.0000	0.14
0	0	0	39.5000	0.15
0	0	0	40.0000	0.15
0	0	0	40.5000	0.15
0	0	0	41.0000	0.15
0	0	0	41.5000	0.15
0	0	0	42.0000	0.15
0	0	0	42.5000	0.15
0	0	0	43.0000	0.15
0	0	0	43.5000	0.15
0	0	0	44.0000	0.15
0	0	0	44.5000	0.15
0	0	0	45.0000	0.15
0	0	0	45.5000	0.15
0	0	0	46.0000	0.15
0	0	0	46.5000	0.16
0	0	0	47.0000	0.16
0	0	0	47.5000	0.16
0	0	0	48.0000	0.16
0	0	0	48.5000	0.16
0	0	0	48.7500	0.16
0	0	0	49.0000	0.16
0	0	0	49.2500	0.16
0	0	0	49.5000	0.16
0	0	0	49.7500	0.16
0	0	0	50.0000	0.16
0	0	0	50.2500	0.16
0	0	0	50.5000	0.16
0	0	0	50.7500	0.17

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	51.0000	0.17
0	0	0	51.2500	0.17
0	0	0	51.5000	0.17
0	0	0	51.7500	0.17
0	0	0	52.0000	0.17
0	0	0	52.2500	0.18
0	0	0	52.5000	0.18
0	0	0	52.7500	0.18
0	0	0	53.0000	0.19
0	0	0	53.2500	0.19
0	0	0	53.5000	0.20
0	0	0	53.7500	0.20
0	0	0	54.0000	0.21
0	0	0	54.2500	0.22
0	0	0	54.5000	0.22
0	0	0	54.7500	0.23
0	0	0	55.0000	0.24
0	0	0	55.2500	0.25
0	0	0	55.4200	0.25
0	0	0	55.5800	0.26
0	0	0	55.7500	0.27
0	0	0	55.9200	0.27
0	0	0	56.0800	0.28
0	0	0	56.2500	0.28
0	0	0	56.4200	0.29
0	0	0	56.5800	0.30
0	0	0	56.7500	0.31
0	0	0	56.9200	0.31
0	0	0	57.0800	0.32
0	0	0	57.2500	0.33
0	0	0	57.4200	0.34
0	0	0	57.5800	0.35
0	0	0	57.7500	0.36
0	0	0	57.9200	0.37
0	0	0	58.0800	0.38
0	0	0	58.2500	0.39
0	0	0	58.4200	0.41
0	0	0	58.5800	0.42
0	0	0	58.7500	0.44
0	0	0	58.9200	0.45
0	0	0	59.0800	0.47
0	0	0	59.2500	0.50
0	0	0	59.4200	0.54
0	0	0	59.5800	0.60
0	0	0	59.7500	2.03
0	0	0	59.9200	4.66
0	0	0	60.0800	6.80
0	0	0	60.2500	6.58
0	0	0	60.4200	5.67

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	60.5800	4.89
0	0	0	60.7500	4.12
0	0	0	60.9200	3.48
0	0	0	61.0800	3.00
0	0	0	61.3300	2.42
0	0	0	61.5800	2.01
0	0	0	61.8300	1.70
0	0	0	62.0800	1.47
0	0	0	62.3300	1.27
0	0	0	62.5800	1.10
0	0	0	62.8300	0.97
0	0	0	63.0800	0.88
0	0	0	63.3300	0.79
0	0	0	63.5800	0.74
0	0	0	63.8300	0.68
0	0	0	64.0800	0.64
0	0	0	64.3300	0.57
0	0	0	64.5800	0.50
0	0	0	64.8300	0.45
0	0	0	65.0800	0.40
0	0	0	65.3300	0.35
0	0	0	65.5800	0.30
0	0	0	65.8300	0.31
0	0	0	66.0800	0.27
0	0	0	66.3300	0.22
0	0	0	66.5800	0.26
0	0	0	66.8300	0.21
0	0	0	67.0800	0.25
0	0	0	67.3300	0.18
0	0	0	67.5800	0.25
0	0	0	67.8300	0.29
0	0	0	68.0800	0.19
0	0	0	68.3300	0.22
0	0	0	68.5800	0.23
0	0	0	68.8300	0.05
0	0	0	69.0800	0.15
0	0	0	69.3300	0.20
0	0	0	69.5800	0.22
0	0	0	69.8300	0.03
0	0	0	70.0800	0.15
0	0	0	70.3300	0.20
0	0	0	70.5800	0.22
0	0	0	70.8300	0.02
0	0	0	71.0800	0.15
0	0	0	71.3300	0.21
0	0	0	71.5800	0.23
0	0	0	71.8300	0.24
0	0	0	72.0800	0.23
0	0	0	73.0800	-0.09

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	74.0800	0.00
0	0	0	75.0800	0.00
0	0	0	76.0800	0.00
0	0	0	77.0800	0.00
0	0	0	78.0800	0.00
0	0	0	79.0800	0.09
0	0	0	80.0800	0.00
0	0	0	81.0800	0.00
0	0	0	82.0800	0.00
0	0	0	83.0800	0.09
0	0	0	84.0800	0.00
0	0	0	85.0800	0.00
0	0	0	86.0800	0.00
0	0	0	87.0800	0.09
0	0	0	88.0800	0.00
0	0	0	89.0800	0.00
0	0	0	90.0800	0.09
0	0	0	91.0800	0.00
0	0	0	92.0800	0.00
0	0	0	93.0800	0.00
0	0	0	94.0800	0.09
0	0	0	95.0800	0.00
0	0	0	96.0800	0.00
0	0	0	97.0800	0.08
0	0	0	98.0800	0.00
0	0	0	99.0800	0.00
0	0	0	100.0800	0.00
0	0	0	101.0800	0.08
0	0	0	102.0800	0.00
0	0	0	103.0800	0.00
0	0	0	104.0800	0.08
0	0	0	105.0800	0.01
0	0	0	106.0800	0.00
0	0	0	107.0800	0.00
0	0	0	108.0800	0.07
0	0	0	109.0800	0.01
0	0	0	110.0800	0.00
0	0	0	111.0800	0.00
0	0	0	112.0800	0.06
0	0	0	113.0800	0.02
0	0	0	114.0800	0.00
0	0	0	115.0800	0.00
0	0	0	116.0800	0.05
0	0	0	117.0800	0.02
0	0	0	118.0800	0.01
0	0	0	119.0800	0.00
0	0	0	120.0800	0.04
0	0	0	121.0800	0.02
0	0	0	122.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	123.0800	0.05
0	0	0	124.0800	0.03
0	0	0	125.0800	0.01
0	0	0	126.0800	0.01
0	0	0	127.0800	0.04
0	0	0	128.0800	0.02
0	0	0	129.0800	0.01
0	0	0	130.0800	0.01
0	0	0	131.0800	0.04
0	0	0	132.0800	0.02
0	0	0	133.0800	0.01
0	0	0	134.0800	0.01
0	0	0	135.0800	0.04
0	0	0	136.0800	0.02
0	0	0	137.0800	0.01
0	0	0	138.0800	0.01
0	0	0	139.0800	0.04
0	0	0	140.0800	0.02
0	0	0	141.0800	0.01
0	0	0	142.0800	0.01
0	0	0	143.0800	0.04
0	0	0	144.0800	0.02
0	0	0	145.0800	0.01
0	0	0	146.0800	0.01
0	0	0	147.0800	0.04
0	0	0	148.0800	0.02
0	0	0	149.0800	0.01
0	0	0	150.0800	0.01
0	0	0	151.0800	0.04
0	0	0	152.0800	0.02
0	0	0	153.0800	0.01
0	0	0	154.0800	0.05
0	0	0	155.0800	0.03
0	0	0	156.0800	0.01
0	0	0	157.0800	0.01
0	0	0	158.0800	0.04
0	0	0	159.0800	0.02
0	0	0	160.0800	0.01
0	0	0	161.0800	0.01
0	0	0	162.0800	0.04
0	0	0	163.0800	0.02
0	0	0	164.0800	0.01
0	0	0	165.0800	0.01
0	0	0	166.0800	0.04
0	0	0	167.0800	0.02
0	0	0	168.0800	0.01
0	0	0	169.0800	0.01
0	0	0	170.0800	0.04
0	0	0	171.0800	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	172.0800	0.01
0	0	0	173.0800	0.01
0	0	0	174.0800	0.04
0	0	0	175.0800	0.02
0	0	0	176.0800	0.01
0	0	0	177.0800	0.01
0	0	0	178.0800	0.04
0	0	0	179.0800	0.02
0	0	0	180.0800	0.01
0	0	0	181.0800	0.01
0	0	0	182.0800	0.04
0	0	0	183.0800	0.02
0	0	0	184.0800	0.01
0	0	0	185.0800	0.01
0	0	0	186.0800	0.04
0	0	0	187.0800	0.02
0	0	0	188.0800	0.01
0	0	0	189.0800	0.04
0	0	0	190.0800	0.03
0	0	0	191.0800	0.01
0	0	0	192.0800	0.01
0	0	0	193.0800	0.04
0	0	0	194.0800	0.02
0	0	0	195.0800	0.01
0	0	0	196.0800	0.01
0	0	0	197.0800	0.04
0	0	0	198.0800	0.02
0	0	0	199.0800	0.01
0	0	0	200.0800	0.01
0	0	0	201.0800	0.04
0	0	0	202.0800	0.02
0	0	0	203.0800	0.01
0	0	0	204.0800	0.01
0	0	0	205.0800	0.04
0	0	0	206.0800	0.02
0	0	0	207.0800	0.01
0	0	0	208.0800	0.01
0	0	0	209.0800	0.04
0	0	0	210.0800	0.02
0	0	0	211.0800	0.01
0	0	0	212.0800	0.01
0	0	0	213.0800	0.04
0	0	0	214.0800	0.02
0	0	0	215.0800	0.01
0	0	0	216.0800	0.01
0	0	0	217.0800	0.04
0	0	0	218.0800	0.02
0	0	0	219.0800	0.01
0	0	0	220.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	221.0800	0.04
0	0	0	222.0800	0.02
0	0	0	223.0800	0.01
0	0	0	224.0800	0.04
0	0	0	225.0800	0.02
0	0	0	226.0800	0.01
0	0	0	227.0800	0.01
0	0	0	228.0800	0.04
0	0	0	229.0800	0.02
0	0	0	230.0800	0.01
0	0	0	231.0800	0.01
0	0	0	232.0800	0.04
0	0	0	233.0800	0.02
0	0	0	234.0800	0.01
0	0	0	235.0800	0.01
0	0	0	236.0800	0.04
0	0	0	237.0800	0.02
0	0	0	238.0800	0.01
0	0	0	239.0800	0.01
0	0	0	240.0800	0.04
0	0	0	241.0800	0.02
0	0	0	242.0800	0.01
0	0	0	243.0800	0.01
0	0	0	244.0800	0.04
0	0	0	245.0800	0.02
0	0	0	246.0800	0.01
0	0	0	247.0800	0.01
0	0	0	248.0800	0.04
0	0	0	249.0800	0.02
0	0	0	250.0800	0.01
0	0	0	251.0800	0.01
0	0	0	252.0800	0.03
0	0	0	253.0800	0.02
0	0	0	254.0800	0.01
0	0	0	255.0800	0.01
0	0	0	256.0800	0.03
0	0	0	257.0800	0.02
0	0	0	258.0800	0.01
0	0	0	259.0800	0.01
0	0	0	260.0800	0.03
0	0	0	261.0800	0.02
0	0	0	262.0800	0.01
0	0	0	263.0800	0.01
0	0	0	264.0800	0.03
0	0	0	265.0800	0.02
0	0	0	266.0800	0.01
0	0	0	267.0800	0.01
0	0	0	268.0800	0.03
0	0	0	269.0800	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	270.0800	0.01
0	0	0	271.0800	0.01
0	0	0	272.0800	0.03
0	0	0	273.0800	0.02
0	0	0	274.0800	0.01
0	0	0	275.0800	0.01
0	0	0	276.0800	0.03
0	0	0	277.0800	0.02
0	0	0	278.0800	0.01
0	0	0	279.0800	0.01
0	0	0	280.0800	0.03
0	0	0	281.0800	0.02
0	0	0	282.0800	0.01
0	0	0	283.0800	0.01
0	0	0	284.0800	0.03
0	0	0	285.0800	0.02
0	0	0	286.0800	0.01
0	0	0	287.0800	0.01
0	0	0	288.0800	0.03
0	0	0	289.0800	0.02
0	0	0	290.0800	0.01
0	0	0	291.0800	0.01
0	0	0	292.0800	0.03
0	0	0	293.0800	0.02
0	0	0	294.0800	0.01
0	0	0	295.0800	0.01
0	0	0	296.0800	0.03
0	0	0	297.0800	0.02
0	0	0	298.0800	0.01
0	0	0	299.0800	0.01
0	0	0	300.0800	0.03
0	0	0	301.0800	0.02
0	0	0	302.0800	0.01
0	0	0	303.0800	0.01
0	0	0	304.0800	0.03
0	0	0	305.0800	0.02
0	0	0	306.0800	0.01
0	0	0	307.0800	0.01
0	0	0	308.0800	0.03
0	0	0	309.0800	0.02
0	0	0	310.0800	0.01
0	0	0	311.0800	0.01
0	0	0	312.0800	0.03
0	0	0	313.0800	0.02
0	0	0	314.0800	0.01
0	0	0	315.0800	0.01
0	0	0	316.0800	0.03
0	0	0	317.0800	0.02
0	0	0	318.0800	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	319.0800	0.01
0	0	0	320.0800	0.03
0	0	0	321.0800	0.02
0	0	0	322.0800	0.02
0	0	0	323.0800	0.01
0	0	0	324.0800	0.03
0	0	0	325.0800	0.02
0	0	0	326.0800	0.02
0	0	0	327.0800	0.01
0	0	0	328.0800	0.03
0	0	0	329.0800	0.02
0	0	0	330.0800	0.02
0	0	0	331.0800	0.01
0	0	0	332.0800	0.02
0	0	0	333.0800	0.02
0	0	0	334.0800	0.02
0	0	0	335.0800	0.01
0	0	0	336.0800	0.02
0	0	0	337.0800	0.02
0	0	0	338.0800	0.02
0	0	0	339.0800	0.01
0	0	0	340.0800	0.02
0	0	0	341.0800	0.02
0	0	0	342.0800	0.02
0	0	0	343.0800	0.01
0	0	0	344.0800	0.01
0	0	0	345.0800	0.02
0	0	0	346.0800	0.02
0	0	0	347.0800	0.01
0	0	0	348.0800	0.01
0	0	0	349.0800	0.02
0	0	0	350.0800	0.02
0	0	0	351.0800	0.01
0	0	0	352.0800	0.01
0	0	0	353.0800	0.02
0	0	0	354.0800	0.02
0	0	0	355.0800	0.02
0	0	0	356.0800	0.01
0	0	0	357.0800	0.02
0	0	0	358.0800	0.02
0	0	0	359.0800	0.02
0	0	0	360.0000	0.01

Comment: Daniels Roadway Control Str# 15

Rating Curve: CS-16

Scenario: Icpr3
Type: Time

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	0.0000	0.00
0	0	0	0.5000	0.00
0	0	0	1.0000	0.00
0	0	0	1.5000	0.00
0	0	0	2.0000	0.00
0	0	0	2.5000	0.00
0	0	0	3.0000	0.00
0	0	0	3.5000	0.00
0	0	0	4.0000	0.00
0	0	0	4.5000	0.00
0	0	0	5.0000	0.00
0	0	0	5.5000	0.00
0	0	0	6.0000	0.00
0	0	0	6.5000	0.00
0	0	0	7.0000	0.00
0	0	0	7.5000	0.01
0	0	0	8.0000	0.01
0	0	0	8.5000	0.01
0	0	0	9.0000	0.01
0	0	0	9.5000	0.01
0	0	0	10.0000	0.01
0	0	0	10.5000	0.01
0	0	0	11.0000	0.01
0	0	0	11.5000	0.02
0	0	0	12.0000	0.02
0	0	0	12.5000	0.02
0	0	0	13.0000	0.02
0	0	0	13.5000	0.02
0	0	0	14.0000	0.02
0	0	0	14.5000	0.02
0	0	0	15.0000	0.02
0	0	0	15.5000	0.03
0	0	0	16.0000	0.03
0	0	0	16.5000	0.03
0	0	0	17.0000	0.03
0	0	0	17.5000	0.03
0	0	0	18.0000	0.03
0	0	0	18.5000	0.03
0	0	0	19.0000	0.04
0	0	0	19.5000	0.04
0	0	0	20.0000	0.04
0	0	0	20.5000	0.04
0	0	0	21.0000	0.04
0	0	0	21.5000	0.04
0	0	0	22.0000	0.04
0	0	0	22.5000	0.04

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	23.0000	0.04
0	0	0	23.5000	0.05
0	0	0	24.0000	0.05
0	0	0	24.5000	0.05
0	0	0	25.0000	0.05
0	0	0	25.5000	0.05
0	0	0	26.0000	0.06
0	0	0	26.5000	0.06
0	0	0	27.0000	0.06
0	0	0	27.5000	0.06
0	0	0	28.0000	0.06
0	0	0	28.5000	0.07
0	0	0	29.0000	0.07
0	0	0	29.5000	0.07
0	0	0	30.0000	0.07
0	0	0	30.5000	0.07
0	0	0	31.0000	0.08
0	0	0	31.5000	0.08
0	0	0	32.0000	0.08
0	0	0	32.5000	0.08
0	0	0	33.0000	0.08
0	0	0	33.5000	0.08
0	0	0	34.0000	0.08
0	0	0	34.5000	0.09
0	0	0	35.0000	0.09
0	0	0	35.5000	0.09
0	0	0	36.0000	0.09
0	0	0	36.5000	0.09
0	0	0	37.0000	0.09
0	0	0	37.5000	0.09
0	0	0	38.0000	0.09
0	0	0	38.5000	0.09
0	0	0	39.0000	0.10
0	0	0	39.5000	0.10
0	0	0	40.0000	0.10
0	0	0	40.5000	0.10
0	0	0	41.0000	0.10
0	0	0	41.5000	0.10
0	0	0	42.0000	0.10
0	0	0	42.5000	0.10
0	0	0	43.0000	0.10
0	0	0	43.5000	0.10
0	0	0	44.0000	0.10
0	0	0	44.5000	0.10
0	0	0	45.0000	0.10
0	0	0	45.5000	0.10
0	0	0	46.0000	0.10
0	0	0	46.5000	0.10
0	0	0	47.0000	0.10

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	47.5000	0.10
0	0	0	48.0000	0.10
0	0	0	48.5000	0.10
0	0	0	48.7500	0.10
0	0	0	49.0000	0.10
0	0	0	49.2500	0.10
0	0	0	49.5000	0.11
0	0	0	49.7500	0.11
0	0	0	50.0000	0.11
0	0	0	50.2500	0.11
0	0	0	50.5000	0.11
0	0	0	50.7500	0.11
0	0	0	51.0000	0.11
0	0	0	51.2500	0.11
0	0	0	51.5000	0.11
0	0	0	51.7500	0.11
0	0	0	52.0000	0.11
0	0	0	52.2500	0.12
0	0	0	52.5000	0.12
0	0	0	52.7500	0.12
0	0	0	53.0000	0.12
0	0	0	53.2500	0.13
0	0	0	53.5000	0.13
0	0	0	53.7500	0.14
0	0	0	54.0000	0.14
0	0	0	54.2500	0.14
0	0	0	54.5000	0.15
0	0	0	54.7500	0.15
0	0	0	55.0000	0.16
0	0	0	55.2500	0.16
0	0	0	55.4200	0.17
0	0	0	55.5800	0.17
0	0	0	55.7500	0.17
0	0	0	55.9200	0.18
0	0	0	56.0800	0.18
0	0	0	56.2500	0.19
0	0	0	56.4200	0.19
0	0	0	56.5800	0.20
0	0	0	56.7500	0.20
0	0	0	56.9200	0.21
0	0	0	57.0800	0.21
0	0	0	57.2500	0.22
0	0	0	57.4200	0.22
0	0	0	57.5800	0.23
0	0	0	57.7500	0.24
0	0	0	57.9200	0.24
0	0	0	58.0800	0.25
0	0	0	58.2500	0.26
0	0	0	58.4200	0.27

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	58.5800	0.28
0	0	0	58.7500	0.29
0	0	0	58.9200	0.30
0	0	0	59.0800	0.31
0	0	0	59.2500	0.33
0	0	0	59.4200	0.35
0	0	0	59.5800	0.40
0	0	0	59.7500	1.34
0	0	0	59.9200	3.07
0	0	0	60.0800	4.48
0	0	0	60.2500	4.34
0	0	0	60.4200	3.74
0	0	0	60.5800	3.22
0	0	0	60.7500	2.71
0	0	0	60.9200	2.30
0	0	0	61.0800	1.98
0	0	0	61.3300	1.59
0	0	0	61.5800	1.32
0	0	0	61.8300	1.12
0	0	0	62.0800	0.97
0	0	0	62.3300	0.83
0	0	0	62.5800	0.73
0	0	0	62.8300	0.64
0	0	0	63.0800	0.58
0	0	0	63.3300	0.52
0	0	0	63.5800	0.49
0	0	0	63.8300	0.45
0	0	0	64.0800	0.42
0	0	0	64.3300	0.38
0	0	0	64.5800	0.33
0	0	0	64.8300	0.29
0	0	0	65.0800	0.26
0	0	0	65.3300	0.23
0	0	0	65.5800	0.20
0	0	0	65.8300	0.21
0	0	0	66.0800	0.18
0	0	0	66.3300	0.15
0	0	0	66.5800	0.17
0	0	0	66.8300	0.14
0	0	0	67.0800	0.17
0	0	0	67.3300	0.12
0	0	0	67.5800	0.16
0	0	0	67.8300	0.19
0	0	0	68.0800	0.13
0	0	0	68.3300	0.14
0	0	0	68.5800	0.15
0	0	0	68.8300	0.03
0	0	0	69.0800	0.10
0	0	0	69.3300	0.13

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	69.5800	0.14
0	0	0	69.8300	0.02
0	0	0	70.0800	0.10
0	0	0	70.3300	0.13
0	0	0	70.5800	0.15
0	0	0	70.8300	0.01
0	0	0	71.0800	0.10
0	0	0	71.3300	0.14
0	0	0	71.5800	0.15
0	0	0	71.8300	0.16
0	0	0	72.0800	0.15
0	0	0	73.0800	-0.06
0	0	0	74.0800	0.00
0	0	0	75.0800	0.00
0	0	0	76.0800	0.00
0	0	0	77.0800	0.00
0	0	0	78.0800	0.00
0	0	0	79.0800	0.06
0	0	0	80.0800	0.00
0	0	0	81.0800	0.00
0	0	0	82.0800	0.00
0	0	0	83.0800	0.06
0	0	0	84.0800	0.00
0	0	0	85.0800	0.00
0	0	0	86.0800	0.00
0	0	0	87.0800	0.06
0	0	0	88.0800	0.00
0	0	0	89.0800	0.00
0	0	0	90.0800	0.06
0	0	0	91.0800	0.00
0	0	0	92.0800	0.00
0	0	0	93.0800	0.00
0	0	0	94.0800	0.06
0	0	0	95.0800	0.00
0	0	0	96.0800	0.00
0	0	0	97.0800	0.06
0	0	0	98.0800	0.00
0	0	0	99.0800	0.00
0	0	0	100.0800	0.00
0	0	0	101.0800	0.05
0	0	0	102.0800	0.00
0	0	0	103.0800	0.00
0	0	0	104.0800	0.05
0	0	0	105.0800	0.01
0	0	0	106.0800	0.00
0	0	0	107.0800	0.00
0	0	0	108.0800	0.05
0	0	0	109.0800	0.01
0	0	0	110.0800	0.00

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	111.0800	0.00
0	0	0	112.0800	0.04
0	0	0	113.0800	0.01
0	0	0	114.0800	0.00
0	0	0	115.0800	0.00
0	0	0	116.0800	0.03
0	0	0	117.0800	0.01
0	0	0	118.0800	0.01
0	0	0	119.0800	0.00
0	0	0	120.0800	0.03
0	0	0	121.0800	0.02
0	0	0	122.0800	0.01
0	0	0	123.0800	0.03
0	0	0	124.0800	0.02
0	0	0	125.0800	0.01
0	0	0	126.0800	0.00
0	0	0	127.0800	0.03
0	0	0	128.0800	0.02
0	0	0	129.0800	0.01
0	0	0	130.0800	0.00
0	0	0	131.0800	0.03
0	0	0	132.0800	0.02
0	0	0	133.0800	0.01
0	0	0	134.0800	0.00
0	0	0	135.0800	0.03
0	0	0	136.0800	0.02
0	0	0	137.0800	0.01
0	0	0	138.0800	0.00
0	0	0	139.0800	0.03
0	0	0	140.0800	0.02
0	0	0	141.0800	0.01
0	0	0	142.0800	0.00
0	0	0	143.0800	0.03
0	0	0	144.0800	0.02
0	0	0	145.0800	0.01
0	0	0	146.0800	0.00
0	0	0	147.0800	0.03
0	0	0	148.0800	0.02
0	0	0	149.0800	0.01
0	0	0	150.0800	0.00
0	0	0	151.0800	0.03
0	0	0	152.0800	0.02
0	0	0	153.0800	0.01
0	0	0	154.0800	0.03
0	0	0	155.0800	0.02
0	0	0	156.0800	0.01
0	0	0	157.0800	0.01
0	0	0	158.0800	0.03
0	0	0	159.0800	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	160.0800	0.01
0	0	0	161.0800	0.00
0	0	0	162.0800	0.03
0	0	0	163.0800	0.02
0	0	0	164.0800	0.01
0	0	0	165.0800	0.00
0	0	0	166.0800	0.03
0	0	0	167.0800	0.02
0	0	0	168.0800	0.01
0	0	0	169.0800	0.00
0	0	0	170.0800	0.03
0	0	0	171.0800	0.02
0	0	0	172.0800	0.01
0	0	0	173.0800	0.00
0	0	0	174.0800	0.03
0	0	0	175.0800	0.02
0	0	0	176.0800	0.01
0	0	0	177.0800	0.00
0	0	0	178.0800	0.03
0	0	0	179.0800	0.02
0	0	0	180.0800	0.01
0	0	0	181.0800	0.00
0	0	0	182.0800	0.03
0	0	0	183.0800	0.02
0	0	0	184.0800	0.01
0	0	0	185.0800	0.00
0	0	0	186.0800	0.03
0	0	0	187.0800	0.02
0	0	0	188.0800	0.01
0	0	0	189.0800	0.03
0	0	0	190.0800	0.02
0	0	0	191.0800	0.01
0	0	0	192.0800	0.01
0	0	0	193.0800	0.03
0	0	0	194.0800	0.02
0	0	0	195.0800	0.01
0	0	0	196.0800	0.00
0	0	0	197.0800	0.03
0	0	0	198.0800	0.02
0	0	0	199.0800	0.01
0	0	0	200.0800	0.00
0	0	0	201.0800	0.03
0	0	0	202.0800	0.02
0	0	0	203.0800	0.01
0	0	0	204.0800	0.00
0	0	0	205.0800	0.03
0	0	0	206.0800	0.02
0	0	0	207.0800	0.01
0	0	0	208.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	209.0800	0.03
0	0	0	210.0800	0.02
0	0	0	211.0800	0.01
0	0	0	212.0800	0.01
0	0	0	213.0800	0.03
0	0	0	214.0800	0.02
0	0	0	215.0800	0.01
0	0	0	216.0800	0.01
0	0	0	217.0800	0.02
0	0	0	218.0800	0.02
0	0	0	219.0800	0.01
0	0	0	220.0800	0.01
0	0	0	221.0800	0.02
0	0	0	222.0800	0.02
0	0	0	223.0800	0.01
0	0	0	224.0800	0.03
0	0	0	225.0800	0.02
0	0	0	226.0800	0.01
0	0	0	227.0800	0.01
0	0	0	228.0800	0.02
0	0	0	229.0800	0.02
0	0	0	230.0800	0.01
0	0	0	231.0800	0.01
0	0	0	232.0800	0.02
0	0	0	233.0800	0.02
0	0	0	234.0800	0.01
0	0	0	235.0800	0.01
0	0	0	236.0800	0.02
0	0	0	237.0800	0.02
0	0	0	238.0800	0.01
0	0	0	239.0800	0.01
0	0	0	240.0800	0.02
0	0	0	241.0800	0.02
0	0	0	242.0800	0.01
0	0	0	243.0800	0.01
0	0	0	244.0800	0.02
0	0	0	245.0800	0.01
0	0	0	246.0800	0.01
0	0	0	247.0800	0.01
0	0	0	248.0800	0.02
0	0	0	249.0800	0.01
0	0	0	250.0800	0.01
0	0	0	251.0800	0.01
0	0	0	252.0800	0.02
0	0	0	253.0800	0.01
0	0	0	254.0800	0.01
0	0	0	255.0800	0.01
0	0	0	256.0800	0.02
0	0	0	257.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	258.0800	0.01
0	0	0	259.0800	0.01
0	0	0	260.0800	0.02
0	0	0	261.0800	0.01
0	0	0	262.0800	0.01
0	0	0	263.0800	0.01
0	0	0	264.0800	0.02
0	0	0	265.0800	0.01
0	0	0	266.0800	0.01
0	0	0	267.0800	0.01
0	0	0	268.0800	0.02
0	0	0	269.0800	0.01
0	0	0	270.0800	0.01
0	0	0	271.0800	0.01
0	0	0	272.0800	0.02
0	0	0	273.0800	0.01
0	0	0	274.0800	0.01
0	0	0	275.0800	0.01
0	0	0	276.0800	0.02
0	0	0	277.0800	0.01
0	0	0	278.0800	0.01
0	0	0	279.0800	0.01
0	0	0	280.0800	0.02
0	0	0	281.0800	0.01
0	0	0	282.0800	0.01
0	0	0	283.0800	0.01
0	0	0	284.0800	0.02
0	0	0	285.0800	0.01
0	0	0	286.0800	0.01
0	0	0	287.0800	0.01
0	0	0	288.0800	0.02
0	0	0	289.0800	0.01
0	0	0	290.0800	0.01
0	0	0	291.0800	0.01
0	0	0	292.0800	0.02
0	0	0	293.0800	0.01
0	0	0	294.0800	0.01
0	0	0	295.0800	0.01
0	0	0	296.0800	0.02
0	0	0	297.0800	0.01
0	0	0	298.0800	0.01
0	0	0	299.0800	0.01
0	0	0	300.0800	0.02
0	0	0	301.0800	0.01
0	0	0	302.0800	0.01
0	0	0	303.0800	0.01
0	0	0	304.0800	0.02
0	0	0	305.0800	0.01
0	0	0	306.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	307.0800	0.01
0	0	0	308.0800	0.02
0	0	0	309.0800	0.01
0	0	0	310.0800	0.01
0	0	0	311.0800	0.01
0	0	0	312.0800	0.02
0	0	0	313.0800	0.01
0	0	0	314.0800	0.01
0	0	0	315.0800	0.01
0	0	0	316.0800	0.02
0	0	0	317.0800	0.01
0	0	0	318.0800	0.01
0	0	0	319.0800	0.01
0	0	0	320.0800	0.02
0	0	0	321.0800	0.01
0	0	0	322.0800	0.01
0	0	0	323.0800	0.01
0	0	0	324.0800	0.02
0	0	0	325.0800	0.01
0	0	0	326.0800	0.01
0	0	0	327.0800	0.01
0	0	0	328.0800	0.02
0	0	0	329.0800	0.01
0	0	0	330.0800	0.01
0	0	0	331.0800	0.01
0	0	0	332.0800	0.02
0	0	0	333.0800	0.01
0	0	0	334.0800	0.01
0	0	0	335.0800	0.01
0	0	0	336.0800	0.02
0	0	0	337.0800	0.01
0	0	0	338.0800	0.01
0	0	0	339.0800	0.01
0	0	0	340.0800	0.02
0	0	0	341.0800	0.01
0	0	0	342.0800	0.01
0	0	0	343.0800	0.01
0	0	0	344.0800	0.01
0	0	0	345.0800	0.01
0	0	0	346.0800	0.01
0	0	0	347.0800	0.01
0	0	0	348.0800	0.01
0	0	0	349.0800	0.01
0	0	0	350.0800	0.01
0	0	0	351.0800	0.01
0	0	0	352.0800	0.01
0	0	0	353.0800	0.01
0	0	0	354.0800	0.01
0	0	0	355.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	356.0800	0.01
0	0	0	357.0800	0.01
0	0	0	358.0800	0.01
0	0	0	359.0800	0.01
0	0	0	360.0000	0.01

Comment: Daniels Roadway Control Str# 16

Rating Curve: CS-7

Scenario: Icpr3
Type: Time

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	0.0000	0.00
0	0	0	0.5000	0.00
0	0	0	1.0000	0.00
0	0	0	1.5000	0.00
0	0	0	2.0000	0.00
0	0	0	2.5000	0.00
0	0	0	3.0000	0.00
0	0	0	3.5000	0.00
0	0	0	4.0000	0.00
0	0	0	4.5000	0.00
0	0	0	5.0000	0.00
0	0	0	5.5000	0.00
0	0	0	6.0000	0.00
0	0	0	6.5000	0.00
0	0	0	7.0000	0.00
0	0	0	7.5000	0.00
0	0	0	8.0000	0.00
0	0	0	8.5000	0.01
0	0	0	9.0000	0.01
0	0	0	9.5000	0.01
0	0	0	10.0000	0.01
0	0	0	10.5000	0.01
0	0	0	11.0000	0.01
0	0	0	11.5000	0.01
0	0	0	12.0000	0.01
0	0	0	12.5000	0.01
0	0	0	13.0000	0.01
0	0	0	13.5000	0.01
0	0	0	14.0000	0.02
0	0	0	14.5000	0.02
0	0	0	15.0000	0.02
0	0	0	15.5000	0.02
0	0	0	16.0000	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	16.5000	0.02
0	0	0	17.0000	0.02
0	0	0	17.5000	0.02
0	0	0	18.0000	0.02
0	0	0	18.5000	0.02
0	0	0	19.0000	0.03
0	0	0	19.5000	0.03
0	0	0	20.0000	0.03
0	0	0	20.5000	0.03
0	0	0	21.0000	0.03
0	0	0	21.5000	0.03
0	0	0	22.0000	0.03
0	0	0	22.5000	0.03
0	0	0	23.0000	0.03
0	0	0	23.5000	0.03
0	0	0	24.0000	0.03
0	0	0	24.5000	0.04
0	0	0	25.0000	0.04
0	0	0	25.5000	0.04
0	0	0	26.0000	0.04
0	0	0	26.5000	0.04
0	0	0	27.0000	0.04
0	0	0	27.5000	0.05
0	0	0	28.0000	0.05
0	0	0	28.5000	0.05
0	0	0	29.0000	0.05
0	0	0	29.5000	0.05
0	0	0	30.0000	0.05
0	0	0	30.5000	0.05
0	0	0	31.0000	0.05
0	0	0	31.5000	0.06
0	0	0	32.0000	0.06
0	0	0	32.5000	0.06
0	0	0	33.0000	0.06
0	0	0	33.5000	0.06
0	0	0	34.0000	0.06
0	0	0	34.5000	0.06
0	0	0	35.0000	0.06
0	0	0	35.5000	0.06
0	0	0	36.0000	0.07
0	0	0	36.5000	0.07
0	0	0	37.0000	0.07
0	0	0	37.5000	0.07
0	0	0	38.0000	0.07
0	0	0	38.5000	0.07
0	0	0	39.0000	0.07
0	0	0	39.5000	0.07
0	0	0	40.0000	0.07
0	0	0	40.5000	0.07

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	41.0000	0.07
0	0	0	41.5000	0.07
0	0	0	42.0000	0.07
0	0	0	42.5000	0.07
0	0	0	43.0000	0.07
0	0	0	43.5000	0.07
0	0	0	44.0000	0.07
0	0	0	44.5000	0.07
0	0	0	45.0000	0.07
0	0	0	45.5000	0.07
0	0	0	46.0000	0.07
0	0	0	46.5000	0.07
0	0	0	47.0000	0.07
0	0	0	47.5000	0.07
0	0	0	48.0000	0.07
0	0	0	48.5000	0.08
0	0	0	48.7500	0.08
0	0	0	49.0000	0.08
0	0	0	49.2500	0.08
0	0	0	49.5000	0.08
0	0	0	49.7500	0.08
0	0	0	50.0000	0.08
0	0	0	50.2500	0.08
0	0	0	50.5000	0.08
0	0	0	50.7500	0.08
0	0	0	51.0000	0.08
0	0	0	51.2500	0.08
0	0	0	51.5000	0.08
0	0	0	51.7500	0.08
0	0	0	52.0000	0.08
0	0	0	52.2500	0.09
0	0	0	52.5000	0.09
0	0	0	52.7500	0.09
0	0	0	53.0000	0.09
0	0	0	53.2500	0.09
0	0	0	53.5000	0.10
0	0	0	53.7500	0.10
0	0	0	54.0000	0.10
0	0	0	54.2500	0.10
0	0	0	54.5000	0.11
0	0	0	54.7500	0.11
0	0	0	55.0000	0.12
0	0	0	55.2500	0.12
0	0	0	55.4200	0.12
0	0	0	55.5800	0.13
0	0	0	55.7500	0.13
0	0	0	55.9200	0.13
0	0	0	56.0800	0.13
0	0	0	56.2500	0.14

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	56.4200	0.14
0	0	0	56.5800	0.14
0	0	0	56.7500	0.15
0	0	0	56.9200	0.15
0	0	0	57.0800	0.16
0	0	0	57.2500	0.16
0	0	0	57.4200	0.16
0	0	0	57.5800	0.17
0	0	0	57.7500	0.17
0	0	0	57.9200	0.18
0	0	0	58.0800	0.18
0	0	0	58.2500	0.19
0	0	0	58.4200	0.20
0	0	0	58.5800	0.20
0	0	0	58.7500	0.21
0	0	0	58.9200	0.22
0	0	0	59.0800	0.23
0	0	0	59.2500	0.24
0	0	0	59.4200	0.26
0	0	0	59.5800	0.29
0	0	0	59.7500	0.98
0	0	0	59.9200	2.24
0	0	0	60.0800	3.26
0	0	0	60.2500	3.16
0	0	0	60.4200	2.72
0	0	0	60.5800	2.35
0	0	0	60.7500	1.98
0	0	0	60.9200	1.67
0	0	0	61.0800	1.44
0	0	0	61.3300	1.16
0	0	0	61.5800	0.96
0	0	0	61.8300	0.82
0	0	0	62.0800	0.71
0	0	0	62.3300	0.61
0	0	0	62.5800	0.53
0	0	0	62.8300	0.47
0	0	0	63.0800	0.42
0	0	0	63.3300	0.38
0	0	0	63.5800	0.35
0	0	0	63.8300	0.33
0	0	0	64.0800	0.31
0	0	0	64.3300	0.27
0	0	0	64.5800	0.24
0	0	0	64.8300	0.21
0	0	0	65.0800	0.19
0	0	0	65.3300	0.17
0	0	0	65.5800	0.14
0	0	0	65.8300	0.15
0	0	0	66.0800	0.13

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	66.3300	0.11
0	0	0	66.5800	0.13
0	0	0	66.8300	0.10
0	0	0	67.0800	0.12
0	0	0	67.3300	0.09
0	0	0	67.5800	0.12
0	0	0	67.8300	0.14
0	0	0	68.0800	0.09
0	0	0	68.3300	0.11
0	0	0	68.5800	0.11
0	0	0	68.8300	0.03
0	0	0	69.0800	0.07
0	0	0	69.3300	0.10
0	0	0	69.5800	0.11
0	0	0	69.8300	0.01
0	0	0	70.0800	0.07
0	0	0	70.3300	0.10
0	0	0	70.5800	0.11
0	0	0	70.8300	0.01
0	0	0	71.0800	0.07
0	0	0	71.3300	0.10
0	0	0	71.5800	0.11
0	0	0	71.8300	0.11
0	0	0	72.0800	0.11
0	0	0	73.0800	-0.04
0	0	0	74.0800	0.00
0	0	0	75.0800	0.00
0	0	0	76.0800	0.00
0	0	0	77.0800	0.00
0	0	0	78.0800	0.00
0	0	0	79.0800	0.04
0	0	0	80.0800	0.00
0	0	0	81.0800	0.00
0	0	0	82.0800	0.00
0	0	0	83.0800	0.04
0	0	0	84.0800	0.00
0	0	0	85.0800	0.00
0	0	0	86.0800	0.00
0	0	0	87.0800	0.04
0	0	0	88.0800	0.00
0	0	0	89.0800	0.00
0	0	0	90.0800	0.04
0	0	0	91.0800	0.00
0	0	0	92.0800	0.00
0	0	0	93.0800	0.00
0	0	0	94.0800	0.04
0	0	0	95.0800	0.00
0	0	0	96.0800	0.00
0	0	0	97.0800	0.04

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	98.0800	0.00
0	0	0	99.0800	0.00
0	0	0	100.0800	0.00
0	0	0	101.0800	0.04
0	0	0	102.0800	0.00
0	0	0	103.0800	0.00
0	0	0	104.0800	0.04
0	0	0	105.0800	0.00
0	0	0	106.0800	0.00
0	0	0	107.0800	0.00
0	0	0	108.0800	0.03
0	0	0	109.0800	0.01
0	0	0	110.0800	0.00
0	0	0	111.0800	0.00
0	0	0	112.0800	0.03
0	0	0	113.0800	0.01
0	0	0	114.0800	0.00
0	0	0	115.0800	0.00
0	0	0	116.0800	0.02
0	0	0	117.0800	0.01
0	0	0	118.0800	0.00
0	0	0	119.0800	0.00
0	0	0	120.0800	0.02
0	0	0	121.0800	0.01
0	0	0	122.0800	0.01
0	0	0	123.0800	0.02
0	0	0	124.0800	0.01
0	0	0	125.0800	0.01
0	0	0	126.0800	0.00
0	0	0	127.0800	0.02
0	0	0	128.0800	0.01
0	0	0	129.0800	0.01
0	0	0	130.0800	0.00
0	0	0	131.0800	0.02
0	0	0	132.0800	0.01
0	0	0	133.0800	0.01
0	0	0	134.0800	0.00
0	0	0	135.0800	0.02
0	0	0	136.0800	0.01
0	0	0	137.0800	0.01
0	0	0	138.0800	0.00
0	0	0	139.0800	0.02
0	0	0	140.0800	0.01
0	0	0	141.0800	0.01
0	0	0	142.0800	0.00
0	0	0	143.0800	0.02
0	0	0	144.0800	0.01
0	0	0	145.0800	0.01
0	0	0	146.0800	0.00

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	147.0800	0.02
0	0	0	148.0800	0.01
0	0	0	149.0800	0.01
0	0	0	150.0800	0.00
0	0	0	151.0800	0.02
0	0	0	152.0800	0.01
0	0	0	153.0800	0.01
0	0	0	154.0800	0.02
0	0	0	155.0800	0.01
0	0	0	156.0800	0.01
0	0	0	157.0800	0.00
0	0	0	158.0800	0.02
0	0	0	159.0800	0.01
0	0	0	160.0800	0.01
0	0	0	161.0800	0.00
0	0	0	162.0800	0.02
0	0	0	163.0800	0.01
0	0	0	164.0800	0.01
0	0	0	165.0800	0.00
0	0	0	166.0800	0.02
0	0	0	167.0800	0.01
0	0	0	168.0800	0.01
0	0	0	169.0800	0.00
0	0	0	170.0800	0.02
0	0	0	171.0800	0.01
0	0	0	172.0800	0.01
0	0	0	173.0800	0.00
0	0	0	174.0800	0.02
0	0	0	175.0800	0.01
0	0	0	176.0800	0.01
0	0	0	177.0800	0.00
0	0	0	178.0800	0.02
0	0	0	179.0800	0.01
0	0	0	180.0800	0.01
0	0	0	181.0800	0.00
0	0	0	182.0800	0.02
0	0	0	183.0800	0.01
0	0	0	184.0800	0.01
0	0	0	185.0800	0.00
0	0	0	186.0800	0.02
0	0	0	187.0800	0.01
0	0	0	188.0800	0.01
0	0	0	189.0800	0.02
0	0	0	190.0800	0.01
0	0	0	191.0800	0.01
0	0	0	192.0800	0.00
0	0	0	193.0800	0.02
0	0	0	194.0800	0.01
0	0	0	195.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	196.0800	0.00
0	0	0	197.0800	0.02
0	0	0	198.0800	0.01
0	0	0	199.0800	0.01
0	0	0	200.0800	0.00
0	0	0	201.0800	0.02
0	0	0	202.0800	0.01
0	0	0	203.0800	0.01
0	0	0	204.0800	0.00
0	0	0	205.0800	0.02
0	0	0	206.0800	0.01
0	0	0	207.0800	0.01
0	0	0	208.0800	0.00
0	0	0	209.0800	0.02
0	0	0	210.0800	0.01
0	0	0	211.0800	0.01
0	0	0	212.0800	0.00
0	0	0	213.0800	0.02
0	0	0	214.0800	0.01
0	0	0	215.0800	0.01
0	0	0	216.0800	0.00
0	0	0	217.0800	0.02
0	0	0	218.0800	0.01
0	0	0	219.0800	0.01
0	0	0	220.0800	0.00
0	0	0	221.0800	0.02
0	0	0	222.0800	0.01
0	0	0	223.0800	0.01
0	0	0	224.0800	0.02
0	0	0	225.0800	0.01
0	0	0	226.0800	0.01
0	0	0	227.0800	0.00
0	0	0	228.0800	0.02
0	0	0	229.0800	0.01
0	0	0	230.0800	0.01
0	0	0	231.0800	0.00
0	0	0	232.0800	0.02
0	0	0	233.0800	0.01
0	0	0	234.0800	0.01
0	0	0	235.0800	0.00
0	0	0	236.0800	0.02
0	0	0	237.0800	0.01
0	0	0	238.0800	0.01
0	0	0	239.0800	0.00
0	0	0	240.0800	0.02
0	0	0	241.0800	0.01
0	0	0	242.0800	0.01
0	0	0	243.0800	0.00
0	0	0	244.0800	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	245.0800	0.01
0	0	0	246.0800	0.01
0	0	0	247.0800	0.00
0	0	0	248.0800	0.02
0	0	0	249.0800	0.01
0	0	0	250.0800	0.01
0	0	0	251.0800	0.00
0	0	0	252.0800	0.02
0	0	0	253.0800	0.01
0	0	0	254.0800	0.01
0	0	0	255.0800	0.00
0	0	0	256.0800	0.02
0	0	0	257.0800	0.01
0	0	0	258.0800	0.01
0	0	0	259.0800	0.00
0	0	0	260.0800	0.02
0	0	0	261.0800	0.01
0	0	0	262.0800	0.01
0	0	0	263.0800	0.00
0	0	0	264.0800	0.02
0	0	0	265.0800	0.01
0	0	0	266.0800	0.01
0	0	0	267.0800	0.00
0	0	0	268.0800	0.02
0	0	0	269.0800	0.01
0	0	0	270.0800	0.01
0	0	0	271.0800	0.00
0	0	0	272.0800	0.02
0	0	0	273.0800	0.01
0	0	0	274.0800	0.01
0	0	0	275.0800	0.00
0	0	0	276.0800	0.02
0	0	0	277.0800	0.01
0	0	0	278.0800	0.01
0	0	0	279.0800	0.00
0	0	0	280.0800	0.02
0	0	0	281.0800	0.01
0	0	0	282.0800	0.01
0	0	0	283.0800	0.00
0	0	0	284.0800	0.02
0	0	0	285.0800	0.01
0	0	0	286.0800	0.01
0	0	0	287.0800	0.00
0	0	0	288.0800	0.01
0	0	0	289.0800	0.01
0	0	0	290.0800	0.01
0	0	0	291.0800	0.00
0	0	0	292.0800	0.01
0	0	0	293.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	294.0800	0.01
0	0	0	295.0800	0.00
0	0	0	296.0800	0.01
0	0	0	297.0800	0.01
0	0	0	298.0800	0.01
0	0	0	299.0800	0.00
0	0	0	300.0800	0.01
0	0	0	301.0800	0.01
0	0	0	302.0800	0.01
0	0	0	303.0800	0.00
0	0	0	304.0800	0.01
0	0	0	305.0800	0.01
0	0	0	306.0800	0.01
0	0	0	307.0800	0.00
0	0	0	308.0800	0.01
0	0	0	309.0800	0.01
0	0	0	310.0800	0.01
0	0	0	311.0800	0.00
0	0	0	312.0800	0.01
0	0	0	313.0800	0.01
0	0	0	314.0800	0.01
0	0	0	315.0800	0.01
0	0	0	316.0800	0.01
0	0	0	317.0800	0.01
0	0	0	318.0800	0.01
0	0	0	319.0800	0.01
0	0	0	320.0800	0.01
0	0	0	321.0800	0.01
0	0	0	322.0800	0.01
0	0	0	323.0800	0.01
0	0	0	324.0800	0.01
0	0	0	325.0800	0.01
0	0	0	326.0800	0.01
0	0	0	327.0800	0.01
0	0	0	328.0800	0.01
0	0	0	329.0800	0.01
0	0	0	330.0800	0.01
0	0	0	331.0800	0.01
0	0	0	332.0800	0.01
0	0	0	333.0800	0.01
0	0	0	334.0800	0.01
0	0	0	335.0800	0.01
0	0	0	336.0800	0.01
0	0	0	337.0800	0.01
0	0	0	338.0800	0.01
0	0	0	339.0800	0.01
0	0	0	340.0800	0.01
0	0	0	341.0800	0.01
0	0	0	342.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	343.0800	0.01
0	0	0	344.0800	0.00
0	0	0	345.0800	0.01
0	0	0	346.0800	0.01
0	0	0	347.0800	0.01
0	0	0	348.0800	0.01
0	0	0	349.0800	0.01
0	0	0	350.0800	0.01
0	0	0	351.0800	0.01
0	0	0	352.0800	0.01
0	0	0	353.0800	0.01
0	0	0	354.0800	0.01
0	0	0	355.0800	0.01
0	0	0	356.0800	0.01
0	0	0	357.0800	0.01
0	0	0	358.0800	0.01
0	0	0	359.0800	0.01
0	0	0	360.0000	0.01

Comment: Daniels Roadway Control Str# 7

Rating Curve: CS-8

Scenario: Icpr3
Type: Time

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	0.0000	0.00
0	0	0	0.5000	0.00
0	0	0	1.0000	0.00
0	0	0	1.5000	0.00
0	0	0	2.0000	0.00
0	0	0	2.5000	0.00
0	0	0	3.0000	0.00
0	0	0	3.5000	0.00
0	0	0	4.0000	0.00
0	0	0	4.5000	0.00
0	0	0	5.0000	0.00
0	0	0	5.5000	0.00
0	0	0	6.0000	0.00
0	0	0	6.5000	0.00
0	0	0	7.0000	0.01
0	0	0	7.5000	0.01
0	0	0	8.0000	0.01
0	0	0	8.5000	0.01
0	0	0	9.0000	0.01
0	0	0	9.5000	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	10.0000	0.01
0	0	0	10.5000	0.01
0	0	0	11.0000	0.02
0	0	0	11.5000	0.02
0	0	0	12.0000	0.02
0	0	0	12.5000	0.02
0	0	0	13.0000	0.02
0	0	0	13.5000	0.02
0	0	0	14.0000	0.02
0	0	0	14.5000	0.03
0	0	0	15.0000	0.03
0	0	0	15.5000	0.03
0	0	0	16.0000	0.03
0	0	0	16.5000	0.03
0	0	0	17.0000	0.03
0	0	0	17.5000	0.04
0	0	0	18.0000	0.04
0	0	0	18.5000	0.04
0	0	0	19.0000	0.04
0	0	0	19.5000	0.04
0	0	0	20.0000	0.04
0	0	0	20.5000	0.04
0	0	0	21.0000	0.05
0	0	0	21.5000	0.05
0	0	0	22.0000	0.05
0	0	0	22.5000	0.05
0	0	0	23.0000	0.05
0	0	0	23.5000	0.05
0	0	0	24.0000	0.05
0	0	0	24.5000	0.05
0	0	0	25.0000	0.06
0	0	0	25.5000	0.06
0	0	0	26.0000	0.06
0	0	0	26.5000	0.07
0	0	0	27.0000	0.07
0	0	0	27.5000	0.07
0	0	0	28.0000	0.07
0	0	0	28.5000	0.07
0	0	0	29.0000	0.08
0	0	0	29.5000	0.08
0	0	0	30.0000	0.08
0	0	0	30.5000	0.08
0	0	0	31.0000	0.09
0	0	0	31.5000	0.09
0	0	0	32.0000	0.09
0	0	0	32.5000	0.09
0	0	0	33.0000	0.09
0	0	0	33.5000	0.09
0	0	0	34.0000	0.10

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	34.5000	0.10
0	0	0	35.0000	0.10
0	0	0	35.5000	0.10
0	0	0	36.0000	0.10
0	0	0	36.5000	0.10
0	0	0	37.0000	0.10
0	0	0	37.5000	0.10
0	0	0	38.0000	0.11
0	0	0	38.5000	0.11
0	0	0	39.0000	0.11
0	0	0	39.5000	0.11
0	0	0	40.0000	0.11
0	0	0	40.5000	0.11
0	0	0	41.0000	0.11
0	0	0	41.5000	0.11
0	0	0	42.0000	0.11
0	0	0	42.5000	0.11
0	0	0	43.0000	0.11
0	0	0	43.5000	0.11
0	0	0	44.0000	0.11
0	0	0	44.5000	0.11
0	0	0	45.0000	0.11
0	0	0	45.5000	0.11
0	0	0	46.0000	0.11
0	0	0	46.5000	0.12
0	0	0	47.0000	0.12
0	0	0	47.5000	0.12
0	0	0	48.0000	0.12
0	0	0	48.5000	0.12
0	0	0	48.7500	0.12
0	0	0	49.0000	0.12
0	0	0	49.2500	0.12
0	0	0	49.5000	0.12
0	0	0	49.7500	0.12
0	0	0	50.0000	0.12
0	0	0	50.2500	0.12
0	0	0	50.5000	0.12
0	0	0	50.7500	0.12
0	0	0	51.0000	0.12
0	0	0	51.2500	0.13
0	0	0	51.5000	0.13
0	0	0	51.7500	0.13
0	0	0	52.0000	0.13
0	0	0	52.2500	0.13
0	0	0	52.5000	0.14
0	0	0	52.7500	0.14
0	0	0	53.0000	0.14
0	0	0	53.2500	0.14
0	0	0	53.5000	0.15

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	53.7500	0.15
0	0	0	54.0000	0.16
0	0	0	54.2500	0.16
0	0	0	54.5000	0.17
0	0	0	54.7500	0.17
0	0	0	55.0000	0.18
0	0	0	55.2500	0.18
0	0	0	55.4200	0.19
0	0	0	55.5800	0.19
0	0	0	55.7500	0.20
0	0	0	55.9200	0.20
0	0	0	56.0800	0.21
0	0	0	56.2500	0.21
0	0	0	56.4200	0.22
0	0	0	56.5800	0.22
0	0	0	56.7500	0.23
0	0	0	56.9200	0.23
0	0	0	57.0800	0.24
0	0	0	57.2500	0.25
0	0	0	57.4200	0.25
0	0	0	57.5800	0.26
0	0	0	57.7500	0.27
0	0	0	57.9200	0.28
0	0	0	58.0800	0.28
0	0	0	58.2500	0.29
0	0	0	58.4200	0.30
0	0	0	58.5800	0.31
0	0	0	58.7500	0.32
0	0	0	58.9200	0.34
0	0	0	59.0800	0.35
0	0	0	59.2500	0.37
0	0	0	59.4200	0.40
0	0	0	59.5800	0.45
0	0	0	59.7500	1.51
0	0	0	59.9200	3.46
0	0	0	60.0800	5.05
0	0	0	60.2500	4.89
0	0	0	60.4200	4.22
0	0	0	60.5800	3.63
0	0	0	60.7500	3.06
0	0	0	60.9200	2.59
0	0	0	61.0800	2.23
0	0	0	61.3300	1.80
0	0	0	61.5800	1.49
0	0	0	61.8300	1.26
0	0	0	62.0800	1.09
0	0	0	62.3300	0.94
0	0	0	62.5800	0.82
0	0	0	62.8300	0.72

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	63.0800	0.65
0	0	0	63.3300	0.59
0	0	0	63.5800	0.55
0	0	0	63.8300	0.50
0	0	0	64.0800	0.48
0	0	0	64.3300	0.43
0	0	0	64.5800	0.37
0	0	0	64.8300	0.33
0	0	0	65.0800	0.29
0	0	0	65.3300	0.26
0	0	0	65.5800	0.22
0	0	0	65.8300	0.23
0	0	0	66.0800	0.20
0	0	0	66.3300	0.17
0	0	0	66.5800	0.19
0	0	0	66.8300	0.15
0	0	0	67.0800	0.19
0	0	0	67.3300	0.14
0	0	0	67.5800	0.18
0	0	0	67.8300	0.22
0	0	0	68.0800	0.14
0	0	0	68.3300	0.16
0	0	0	68.5800	0.17
0	0	0	68.8300	0.04
0	0	0	69.0800	0.11
0	0	0	69.3300	0.15
0	0	0	69.5800	0.16
0	0	0	69.8300	0.02
0	0	0	70.0800	0.11
0	0	0	70.3300	0.15
0	0	0	70.5800	0.17
0	0	0	70.8300	0.01
0	0	0	71.0800	0.11
0	0	0	71.3300	0.15
0	0	0	71.5800	0.17
0	0	0	71.8300	0.18
0	0	0	72.0800	0.17
0	0	0	73.0800	-0.07
0	0	0	74.0800	0.00
0	0	0	75.0800	0.00
0	0	0	76.0800	0.00
0	0	0	77.0800	0.00
0	0	0	78.0800	0.00
0	0	0	79.0800	0.07
0	0	0	80.0800	0.00
0	0	0	81.0800	0.00
0	0	0	82.0800	0.00
0	0	0	83.0800	0.07
0	0	0	84.0800	0.00

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	85.0800	0.00
0	0	0	86.0800	0.00
0	0	0	87.0800	0.07
0	0	0	88.0800	0.00
0	0	0	89.0800	0.00
0	0	0	90.0800	0.07
0	0	0	91.0800	0.00
0	0	0	92.0800	0.00
0	0	0	93.0800	0.00
0	0	0	94.0800	0.06
0	0	0	95.0800	0.00
0	0	0	96.0800	0.00
0	0	0	97.0800	0.06
0	0	0	98.0800	0.00
0	0	0	99.0800	0.00
0	0	0	100.0800	0.00
0	0	0	101.0800	0.06
0	0	0	102.0800	0.00
0	0	0	103.0800	0.00
0	0	0	104.0800	0.06
0	0	0	105.0800	0.01
0	0	0	106.0800	0.00
0	0	0	107.0800	0.00
0	0	0	108.0800	0.05
0	0	0	109.0800	0.01
0	0	0	110.0800	0.00
0	0	0	111.0800	0.00
0	0	0	112.0800	0.04
0	0	0	113.0800	0.01
0	0	0	114.0800	0.00
0	0	0	115.0800	0.00
0	0	0	116.0800	0.04
0	0	0	117.0800	0.02
0	0	0	118.0800	0.01
0	0	0	119.0800	0.00
0	0	0	120.0800	0.03
0	0	0	121.0800	0.02
0	0	0	122.0800	0.01
0	0	0	123.0800	0.04
0	0	0	124.0800	0.02
0	0	0	125.0800	0.01
0	0	0	126.0800	0.01
0	0	0	127.0800	0.03
0	0	0	128.0800	0.02
0	0	0	129.0800	0.01
0	0	0	130.0800	0.01
0	0	0	131.0800	0.03
0	0	0	132.0800	0.02
0	0	0	133.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	134.0800	0.01
0	0	0	135.0800	0.03
0	0	0	136.0800	0.02
0	0	0	137.0800	0.01
0	0	0	138.0800	0.01
0	0	0	139.0800	0.03
0	0	0	140.0800	0.02
0	0	0	141.0800	0.01
0	0	0	142.0800	0.01
0	0	0	143.0800	0.03
0	0	0	144.0800	0.02
0	0	0	145.0800	0.01
0	0	0	146.0800	0.01
0	0	0	147.0800	0.03
0	0	0	148.0800	0.02
0	0	0	149.0800	0.01
0	0	0	150.0800	0.01
0	0	0	151.0800	0.03
0	0	0	152.0800	0.02
0	0	0	153.0800	0.01
0	0	0	154.0800	0.03
0	0	0	155.0800	0.02
0	0	0	156.0800	0.01
0	0	0	157.0800	0.01
0	0	0	158.0800	0.03
0	0	0	159.0800	0.02
0	0	0	160.0800	0.01
0	0	0	161.0800	0.01
0	0	0	162.0800	0.03
0	0	0	163.0800	0.02
0	0	0	164.0800	0.01
0	0	0	165.0800	0.01
0	0	0	166.0800	0.03
0	0	0	167.0800	0.02
0	0	0	168.0800	0.01
0	0	0	169.0800	0.01
0	0	0	170.0800	0.03
0	0	0	171.0800	0.02
0	0	0	172.0800	0.01
0	0	0	173.0800	0.01
0	0	0	174.0800	0.03
0	0	0	175.0800	0.02
0	0	0	176.0800	0.01
0	0	0	177.0800	0.01
0	0	0	178.0800	0.03
0	0	0	179.0800	0.02
0	0	0	180.0800	0.01
0	0	0	181.0800	0.01
0	0	0	182.0800	0.03

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	183.0800	0.02
0	0	0	184.0800	0.01
0	0	0	185.0800	0.01
0	0	0	186.0800	0.03
0	0	0	187.0800	0.02
0	0	0	188.0800	0.01
0	0	0	189.0800	0.03
0	0	0	190.0800	0.02
0	0	0	191.0800	0.01
0	0	0	192.0800	0.01
0	0	0	193.0800	0.03
0	0	0	194.0800	0.02
0	0	0	195.0800	0.01
0	0	0	196.0800	0.01
0	0	0	197.0800	0.03
0	0	0	198.0800	0.02
0	0	0	199.0800	0.01
0	0	0	200.0800	0.01
0	0	0	201.0800	0.03
0	0	0	202.0800	0.02
0	0	0	203.0800	0.01
0	0	0	204.0800	0.01
0	0	0	205.0800	0.03
0	0	0	206.0800	0.02
0	0	0	207.0800	0.01
0	0	0	208.0800	0.01
0	0	0	209.0800	0.03
0	0	0	210.0800	0.02
0	0	0	211.0800	0.01
0	0	0	212.0800	0.01
0	0	0	213.0800	0.03
0	0	0	214.0800	0.02
0	0	0	215.0800	0.01
0	0	0	216.0800	0.01
0	0	0	217.0800	0.03
0	0	0	218.0800	0.02
0	0	0	219.0800	0.01
0	0	0	220.0800	0.01
0	0	0	221.0800	0.03
0	0	0	222.0800	0.02
0	0	0	223.0800	0.01
0	0	0	224.0800	0.03
0	0	0	225.0800	0.02
0	0	0	226.0800	0.01
0	0	0	227.0800	0.01
0	0	0	228.0800	0.03
0	0	0	229.0800	0.02
0	0	0	230.0800	0.01
0	0	0	231.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	232.0800	0.03
0	0	0	233.0800	0.02
0	0	0	234.0800	0.01
0	0	0	235.0800	0.01
0	0	0	236.0800	0.03
0	0	0	237.0800	0.02
0	0	0	238.0800	0.01
0	0	0	239.0800	0.01
0	0	0	240.0800	0.03
0	0	0	241.0800	0.02
0	0	0	242.0800	0.01
0	0	0	243.0800	0.01
0	0	0	244.0800	0.03
0	0	0	245.0800	0.02
0	0	0	246.0800	0.01
0	0	0	247.0800	0.01
0	0	0	248.0800	0.03
0	0	0	249.0800	0.02
0	0	0	250.0800	0.01
0	0	0	251.0800	0.01
0	0	0	252.0800	0.03
0	0	0	253.0800	0.02
0	0	0	254.0800	0.01
0	0	0	255.0800	0.01
0	0	0	256.0800	0.03
0	0	0	257.0800	0.02
0	0	0	258.0800	0.01
0	0	0	259.0800	0.01
0	0	0	260.0800	0.03
0	0	0	261.0800	0.02
0	0	0	262.0800	0.01
0	0	0	263.0800	0.01
0	0	0	264.0800	0.02
0	0	0	265.0800	0.02
0	0	0	266.0800	0.01
0	0	0	267.0800	0.01
0	0	0	268.0800	0.02
0	0	0	269.0800	0.02
0	0	0	270.0800	0.01
0	0	0	271.0800	0.01
0	0	0	272.0800	0.02
0	0	0	273.0800	0.02
0	0	0	274.0800	0.01
0	0	0	275.0800	0.01
0	0	0	276.0800	0.02
0	0	0	277.0800	0.02
0	0	0	278.0800	0.01
0	0	0	279.0800	0.01
0	0	0	280.0800	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	281.0800	0.02
0	0	0	282.0800	0.01
0	0	0	283.0800	0.01
0	0	0	284.0800	0.02
0	0	0	285.0800	0.02
0	0	0	286.0800	0.01
0	0	0	287.0800	0.01
0	0	0	288.0800	0.02
0	0	0	289.0800	0.02
0	0	0	290.0800	0.01
0	0	0	291.0800	0.01
0	0	0	292.0800	0.02
0	0	0	293.0800	0.02
0	0	0	294.0800	0.01
0	0	0	295.0800	0.01
0	0	0	296.0800	0.02
0	0	0	297.0800	0.02
0	0	0	298.0800	0.01
0	0	0	299.0800	0.01
0	0	0	300.0800	0.02
0	0	0	301.0800	0.02
0	0	0	302.0800	0.01
0	0	0	303.0800	0.01
0	0	0	304.0800	0.02
0	0	0	305.0800	0.02
0	0	0	306.0800	0.01
0	0	0	307.0800	0.01
0	0	0	308.0800	0.02
0	0	0	309.0800	0.02
0	0	0	310.0800	0.01
0	0	0	311.0800	0.01
0	0	0	312.0800	0.02
0	0	0	313.0800	0.02
0	0	0	314.0800	0.01
0	0	0	315.0800	0.01
0	0	0	316.0800	0.02
0	0	0	317.0800	0.02
0	0	0	318.0800	0.01
0	0	0	319.0800	0.01
0	0	0	320.0800	0.02
0	0	0	321.0800	0.02
0	0	0	322.0800	0.01
0	0	0	323.0800	0.01
0	0	0	324.0800	0.02
0	0	0	325.0800	0.02
0	0	0	326.0800	0.01
0	0	0	327.0800	0.01
0	0	0	328.0800	0.02
0	0	0	329.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	330.0800	0.01
0	0	0	331.0800	0.01
0	0	0	332.0800	0.02
0	0	0	333.0800	0.01
0	0	0	334.0800	0.01
0	0	0	335.0800	0.01
0	0	0	336.0800	0.02
0	0	0	337.0800	0.01
0	0	0	338.0800	0.01
0	0	0	339.0800	0.01
0	0	0	340.0800	0.02
0	0	0	341.0800	0.01
0	0	0	342.0800	0.01
0	0	0	343.0800	0.01
0	0	0	344.0800	0.01
0	0	0	345.0800	0.02
0	0	0	346.0800	0.01
0	0	0	347.0800	0.01
0	0	0	348.0800	0.01
0	0	0	349.0800	0.02
0	0	0	350.0800	0.01
0	0	0	351.0800	0.01
0	0	0	352.0800	0.01
0	0	0	353.0800	0.02
0	0	0	354.0800	0.01
0	0	0	355.0800	0.01
0	0	0	356.0800	0.01
0	0	0	357.0800	0.01
0	0	0	358.0800	0.01
0	0	0	359.0800	0.01
0	0	0	360.0000	0.01

Comment: Daniels Roadway Control Str# 8

Rating Curve: CS-9

Scenario: Icpr3
Type: Time

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	0.0000	0.00
0	0	0	0.5000	0.00
0	0	0	1.0000	0.00
0	0	0	1.5000	0.00
0	0	0	2.0000	0.00
0	0	0	2.5000	0.00
0	0	0	3.0000	0.00

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	3.5000	0.00
0	0	0	4.0000	0.00
0	0	0	4.5000	0.00
0	0	0	5.0000	0.00
0	0	0	5.5000	0.01
0	0	0	6.0000	0.01
0	0	0	6.5000	0.01
0	0	0	7.0000	0.01
0	0	0	7.5000	0.01
0	0	0	8.0000	0.01
0	0	0	8.5000	0.02
0	0	0	9.0000	0.02
0	0	0	9.5000	0.02
0	0	0	10.0000	0.02
0	0	0	10.5000	0.03
0	0	0	11.0000	0.03
0	0	0	11.5000	0.03
0	0	0	12.0000	0.04
0	0	0	12.5000	0.04
0	0	0	13.0000	0.04
0	0	0	13.5000	0.05
0	0	0	14.0000	0.05
0	0	0	14.5000	0.05
0	0	0	15.0000	0.05
0	0	0	15.5000	0.06
0	0	0	16.0000	0.06
0	0	0	16.5000	0.06
0	0	0	17.0000	0.07
0	0	0	17.5000	0.07
0	0	0	18.0000	0.07
0	0	0	18.5000	0.08
0	0	0	19.0000	0.08
0	0	0	19.5000	0.08
0	0	0	20.0000	0.08
0	0	0	20.5000	0.09
0	0	0	21.0000	0.09
0	0	0	21.5000	0.09
0	0	0	22.0000	0.09
0	0	0	22.5000	0.10
0	0	0	23.0000	0.10
0	0	0	23.5000	0.10
0	0	0	24.0000	0.10
0	0	0	24.5000	0.11
0	0	0	25.0000	0.11
0	0	0	25.5000	0.12
0	0	0	26.0000	0.12
0	0	0	26.5000	0.13
0	0	0	27.0000	0.13
0	0	0	27.5000	0.14

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	28.0000	0.14
0	0	0	28.5000	0.15
0	0	0	29.0000	0.15
0	0	0	29.5000	0.16
0	0	0	30.0000	0.16
0	0	0	30.5000	0.16
0	0	0	31.0000	0.17
0	0	0	31.5000	0.17
0	0	0	32.0000	0.17
0	0	0	32.5000	0.18
0	0	0	33.0000	0.18
0	0	0	33.5000	0.18
0	0	0	34.0000	0.19
0	0	0	34.5000	0.19
0	0	0	35.0000	0.19
0	0	0	35.5000	0.19
0	0	0	36.0000	0.20
0	0	0	36.5000	0.20
0	0	0	37.0000	0.20
0	0	0	37.5000	0.20
0	0	0	38.0000	0.21
0	0	0	38.5000	0.21
0	0	0	39.0000	0.21
0	0	0	39.5000	0.21
0	0	0	40.0000	0.21
0	0	0	40.5000	0.21
0	0	0	41.0000	0.22
0	0	0	41.5000	0.22
0	0	0	42.0000	0.22
0	0	0	42.5000	0.22
0	0	0	43.0000	0.22
0	0	0	43.5000	0.22
0	0	0	44.0000	0.22
0	0	0	44.5000	0.22
0	0	0	45.0000	0.22
0	0	0	45.5000	0.22
0	0	0	46.0000	0.22
0	0	0	46.5000	0.23
0	0	0	47.0000	0.23
0	0	0	47.5000	0.23
0	0	0	48.0000	0.23
0	0	0	48.5000	0.23
0	0	0	48.7500	0.23
0	0	0	49.0000	0.23
0	0	0	49.2500	0.23
0	0	0	49.5000	0.23
0	0	0	49.7500	0.23
0	0	0	50.0000	0.24
0	0	0	50.2500	0.23

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	50.5000	0.24
0	0	0	50.7500	0.24
0	0	0	51.0000	0.24
0	0	0	51.2500	0.25
0	0	0	51.5000	0.25
0	0	0	51.7500	0.25
0	0	0	52.0000	0.25
0	0	0	52.2500	0.26
0	0	0	52.5000	0.27
0	0	0	52.7500	0.27
0	0	0	53.0000	0.27
0	0	0	53.2500	0.28
0	0	0	53.5000	0.29
0	0	0	53.7500	0.30
0	0	0	54.0000	0.31
0	0	0	54.2500	0.32
0	0	0	54.5000	0.33
0	0	0	54.7500	0.34
0	0	0	55.0000	0.35
0	0	0	55.2500	0.36
0	0	0	55.4200	0.37
0	0	0	55.5800	0.38
0	0	0	55.7500	0.39
0	0	0	55.9200	0.40
0	0	0	56.0800	0.41
0	0	0	56.2500	0.41
0	0	0	56.4200	0.43
0	0	0	56.5800	0.44
0	0	0	56.7500	0.45
0	0	0	56.9200	0.46
0	0	0	57.0800	0.47
0	0	0	57.2500	0.48
0	0	0	57.4200	0.50
0	0	0	57.5800	0.51
0	0	0	57.7500	0.52
0	0	0	57.9200	0.54
0	0	0	58.0800	0.55
0	0	0	58.2500	0.57
0	0	0	58.4200	0.59
0	0	0	58.5800	0.61
0	0	0	58.7500	0.63
0	0	0	58.9200	0.66
0	0	0	59.0800	0.69
0	0	0	59.2500	0.73
0	0	0	59.4200	0.78
0	0	0	59.5800	0.88
0	0	0	59.7500	2.96
0	0	0	59.9200	6.77
0	0	0	60.0800	9.89

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	60.2500	9.58
0	0	0	60.4200	8.25
0	0	0	60.5800	7.11
0	0	0	60.7500	5.99
0	0	0	60.9200	5.07
0	0	0	61.0800	4.37
0	0	0	61.3300	3.52
0	0	0	61.5800	2.92
0	0	0	61.8300	2.48
0	0	0	62.0800	2.14
0	0	0	62.3300	1.84
0	0	0	62.5800	1.61
0	0	0	62.8300	1.41
0	0	0	63.0800	1.27
0	0	0	63.3300	1.15
0	0	0	63.5800	1.07
0	0	0	63.8300	0.99
0	0	0	64.0800	0.93
0	0	0	64.3300	0.83
0	0	0	64.5800	0.73
0	0	0	64.8300	0.65
0	0	0	65.0800	0.58
0	0	0	65.3300	0.51
0	0	0	65.5800	0.44
0	0	0	65.8300	0.46
0	0	0	66.0800	0.39
0	0	0	66.3300	0.33
0	0	0	66.5800	0.38
0	0	0	66.8300	0.30
0	0	0	67.0800	0.37
0	0	0	67.3300	0.27
0	0	0	67.5800	0.36
0	0	0	67.8300	0.42
0	0	0	68.0800	0.28
0	0	0	68.3300	0.32
0	0	0	68.5800	0.33
0	0	0	68.8300	0.08
0	0	0	69.0800	0.22
0	0	0	69.3300	0.29
0	0	0	69.5800	0.32
0	0	0	69.8300	0.04
0	0	0	70.0800	0.22
0	0	0	70.3300	0.29
0	0	0	70.5800	0.32
0	0	0	70.8300	0.02
0	0	0	71.0800	0.22
0	0	0	71.3300	0.30
0	0	0	71.5800	0.33
0	0	0	71.8300	0.34

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	72.0800	0.33
0	0	0	73.0800	-0.13
0	0	0	74.0800	0.00
0	0	0	75.0800	0.00
0	0	0	76.0800	0.00
0	0	0	77.0800	0.00
0	0	0	78.0800	0.00
0	0	0	79.0800	0.13
0	0	0	80.0800	0.00
0	0	0	81.0800	0.00
0	0	0	82.0800	0.00
0	0	0	83.0800	0.13
0	0	0	84.0800	0.00
0	0	0	85.0800	0.00
0	0	0	86.0800	0.00
0	0	0	87.0800	0.13
0	0	0	88.0800	0.00
0	0	0	89.0800	0.00
0	0	0	90.0800	0.13
0	0	0	91.0800	0.00
0	0	0	92.0800	0.00
0	0	0	93.0800	0.00
0	0	0	94.0800	0.13
0	0	0	95.0800	0.00
0	0	0	96.0800	0.00
0	0	0	97.0800	0.12
0	0	0	98.0800	0.00
0	0	0	99.0800	0.00
0	0	0	100.0800	0.00
0	0	0	101.0800	0.12
0	0	0	102.0800	0.01
0	0	0	103.0800	0.00
0	0	0	104.0800	0.11
0	0	0	105.0800	0.01
0	0	0	106.0800	0.00
0	0	0	107.0800	0.00
0	0	0	108.0800	0.10
0	0	0	109.0800	0.02
0	0	0	110.0800	0.00
0	0	0	111.0800	0.00
0	0	0	112.0800	0.09
0	0	0	113.0800	0.03
0	0	0	114.0800	0.01
0	0	0	115.0800	0.00
0	0	0	116.0800	0.07
0	0	0	117.0800	0.03
0	0	0	118.0800	0.01
0	0	0	119.0800	0.01
0	0	0	120.0800	0.06

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	121.0800	0.03
0	0	0	122.0800	0.02
0	0	0	123.0800	0.07
0	0	0	124.0800	0.04
0	0	0	125.0800	0.02
0	0	0	126.0800	0.01
0	0	0	127.0800	0.07
0	0	0	128.0800	0.04
0	0	0	129.0800	0.02
0	0	0	130.0800	0.01
0	0	0	131.0800	0.06
0	0	0	132.0800	0.04
0	0	0	133.0800	0.02
0	0	0	134.0800	0.01
0	0	0	135.0800	0.06
0	0	0	136.0800	0.04
0	0	0	137.0800	0.02
0	0	0	138.0800	0.01
0	0	0	139.0800	0.06
0	0	0	140.0800	0.04
0	0	0	141.0800	0.02
0	0	0	142.0800	0.01
0	0	0	143.0800	0.06
0	0	0	144.0800	0.04
0	0	0	145.0800	0.02
0	0	0	146.0800	0.01
0	0	0	147.0800	0.06
0	0	0	148.0800	0.04
0	0	0	149.0800	0.02
0	0	0	150.0800	0.01
0	0	0	151.0800	0.06
0	0	0	152.0800	0.04
0	0	0	153.0800	0.02
0	0	0	154.0800	0.07
0	0	0	155.0800	0.04
0	0	0	156.0800	0.02
0	0	0	157.0800	0.01
0	0	0	158.0800	0.06
0	0	0	159.0800	0.04
0	0	0	160.0800	0.02
0	0	0	161.0800	0.01
0	0	0	162.0800	0.06
0	0	0	163.0800	0.03
0	0	0	164.0800	0.02
0	0	0	165.0800	0.01
0	0	0	166.0800	0.06
0	0	0	167.0800	0.03
0	0	0	168.0800	0.02
0	0	0	169.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	170.0800	0.06
0	0	0	171.0800	0.03
0	0	0	172.0800	0.02
0	0	0	173.0800	0.01
0	0	0	174.0800	0.06
0	0	0	175.0800	0.03
0	0	0	176.0800	0.02
0	0	0	177.0800	0.01
0	0	0	178.0800	0.06
0	0	0	179.0800	0.03
0	0	0	180.0800	0.02
0	0	0	181.0800	0.01
0	0	0	182.0800	0.06
0	0	0	183.0800	0.03
0	0	0	184.0800	0.02
0	0	0	185.0800	0.01
0	0	0	186.0800	0.06
0	0	0	187.0800	0.03
0	0	0	188.0800	0.02
0	0	0	189.0800	0.06
0	0	0	190.0800	0.04
0	0	0	191.0800	0.02
0	0	0	192.0800	0.01
0	0	0	193.0800	0.06
0	0	0	194.0800	0.03
0	0	0	195.0800	0.02
0	0	0	196.0800	0.01
0	0	0	197.0800	0.06
0	0	0	198.0800	0.03
0	0	0	199.0800	0.02
0	0	0	200.0800	0.01
0	0	0	201.0800	0.06
0	0	0	202.0800	0.03
0	0	0	203.0800	0.02
0	0	0	204.0800	0.01
0	0	0	205.0800	0.06
0	0	0	206.0800	0.03
0	0	0	207.0800	0.02
0	0	0	208.0800	0.01
0	0	0	209.0800	0.06
0	0	0	210.0800	0.03
0	0	0	211.0800	0.02
0	0	0	212.0800	0.01
0	0	0	213.0800	0.06
0	0	0	214.0800	0.03
0	0	0	215.0800	0.02
0	0	0	216.0800	0.01
0	0	0	217.0800	0.06
0	0	0	218.0800	0.03

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	219.0800	0.02
0	0	0	220.0800	0.01
0	0	0	221.0800	0.05
0	0	0	222.0800	0.03
0	0	0	223.0800	0.02
0	0	0	224.0800	0.06
0	0	0	225.0800	0.04
0	0	0	226.0800	0.02
0	0	0	227.0800	0.01
0	0	0	228.0800	0.05
0	0	0	229.0800	0.03
0	0	0	230.0800	0.02
0	0	0	231.0800	0.01
0	0	0	232.0800	0.05
0	0	0	233.0800	0.03
0	0	0	234.0800	0.02
0	0	0	235.0800	0.01
0	0	0	236.0800	0.05
0	0	0	237.0800	0.03
0	0	0	238.0800	0.02
0	0	0	239.0800	0.01
0	0	0	240.0800	0.05
0	0	0	241.0800	0.03
0	0	0	242.0800	0.02
0	0	0	243.0800	0.01
0	0	0	244.0800	0.05
0	0	0	245.0800	0.03
0	0	0	246.0800	0.02
0	0	0	247.0800	0.01
0	0	0	248.0800	0.05
0	0	0	249.0800	0.03
0	0	0	250.0800	0.02
0	0	0	251.0800	0.01
0	0	0	252.0800	0.05
0	0	0	253.0800	0.03
0	0	0	254.0800	0.02
0	0	0	255.0800	0.01
0	0	0	256.0800	0.05
0	0	0	257.0800	0.03
0	0	0	258.0800	0.02
0	0	0	259.0800	0.01
0	0	0	260.0800	0.05
0	0	0	261.0800	0.03
0	0	0	262.0800	0.02
0	0	0	263.0800	0.01
0	0	0	264.0800	0.05
0	0	0	265.0800	0.03
0	0	0	266.0800	0.02
0	0	0	267.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	268.0800	0.05
0	0	0	269.0800	0.03
0	0	0	270.0800	0.02
0	0	0	271.0800	0.01
0	0	0	272.0800	0.05
0	0	0	273.0800	0.03
0	0	0	274.0800	0.02
0	0	0	275.0800	0.01
0	0	0	276.0800	0.05
0	0	0	277.0800	0.03
0	0	0	278.0800	0.02
0	0	0	279.0800	0.01
0	0	0	280.0800	0.05
0	0	0	281.0800	0.03
0	0	0	282.0800	0.02
0	0	0	283.0800	0.01
0	0	0	284.0800	0.05
0	0	0	285.0800	0.03
0	0	0	286.0800	0.02
0	0	0	287.0800	0.01
0	0	0	288.0800	0.04
0	0	0	289.0800	0.03
0	0	0	290.0800	0.02
0	0	0	291.0800	0.01
0	0	0	292.0800	0.04
0	0	0	293.0800	0.03
0	0	0	294.0800	0.02
0	0	0	295.0800	0.01
0	0	0	296.0800	0.04
0	0	0	297.0800	0.03
0	0	0	298.0800	0.02
0	0	0	299.0800	0.01
0	0	0	300.0800	0.04
0	0	0	301.0800	0.03
0	0	0	302.0800	0.02
0	0	0	303.0800	0.01
0	0	0	304.0800	0.04
0	0	0	305.0800	0.03
0	0	0	306.0800	0.02
0	0	0	307.0800	0.01
0	0	0	308.0800	0.04
0	0	0	309.0800	0.03
0	0	0	310.0800	0.02
0	0	0	311.0800	0.01
0	0	0	312.0800	0.04
0	0	0	313.0800	0.03
0	0	0	314.0800	0.02
0	0	0	315.0800	0.02
0	0	0	316.0800	0.04

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	317.0800	0.03
0	0	0	318.0800	0.02
0	0	0	319.0800	0.02
0	0	0	320.0800	0.04
0	0	0	321.0800	0.03
0	0	0	322.0800	0.02
0	0	0	323.0800	0.02
0	0	0	324.0800	0.04
0	0	0	325.0800	0.03
0	0	0	326.0800	0.02
0	0	0	327.0800	0.02
0	0	0	328.0800	0.04
0	0	0	329.0800	0.03
0	0	0	330.0800	0.02
0	0	0	331.0800	0.02
0	0	0	332.0800	0.04
0	0	0	333.0800	0.03
0	0	0	334.0800	0.02
0	0	0	335.0800	0.02
0	0	0	336.0800	0.03
0	0	0	337.0800	0.03
0	0	0	338.0800	0.02
0	0	0	339.0800	0.02
0	0	0	340.0800	0.03
0	0	0	341.0800	0.03
0	0	0	342.0800	0.02
0	0	0	343.0800	0.02
0	0	0	344.0800	0.01
0	0	0	345.0800	0.03
0	0	0	346.0800	0.03
0	0	0	347.0800	0.02
0	0	0	348.0800	0.02
0	0	0	349.0800	0.03
0	0	0	350.0800	0.03
0	0	0	351.0800	0.02
0	0	0	352.0800	0.02
0	0	0	353.0800	0.03
0	0	0	354.0800	0.03
0	0	0	355.0800	0.02
0	0	0	356.0800	0.02
0	0	0	357.0800	0.03
0	0	0	358.0800	0.03
0	0	0	359.0800	0.02
0	0	0	360.0000	0.02

Comment: Daniels Roadway Control Str# 9

Boundary Stage: Airport Basin 11

Boundary Stage Set: 10yr

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	25.00
0	0	0	0.5004	25.00
0	0	0	1.0010	24.99
0	0	0	1.5002	24.99
0	0	0	2.0006	24.99
0	0	0	2.5006	24.99
0	0	0	3.0001	24.99
0	0	0	3.5001	24.99
0	0	0	4.0002	24.99
0	0	0	4.5001	25.00
0	0	0	5.0002	25.00
0	0	0	5.5002	25.00
0	0	0	6.0004	25.01
0	0	0	6.5003	25.01
0	0	0	7.0001	25.02
0	0	0	7.5006	25.03
0	0	0	8.0004	25.04
0	0	0	8.5001	25.05
0	0	0	9.0001	25.06
0	0	0	9.5001	25.07
0	0	0	10.0003	25.08
0	0	0	10.1668	25.09
0	0	0	10.3336	25.09
0	0	0	10.5001	25.10
0	0	0	10.6668	25.10
0	0	0	10.8336	25.11
0	0	0	11.0009	25.12
0	0	0	11.1667	25.13
0	0	0	11.3338	25.13
0	0	0	11.5002	25.14
0	0	0	11.6667	25.15
0	0	0	11.8334	25.17
0	0	0	12.0001	25.19
0	0	0	12.1668	25.23
0	0	0	12.3336	25.27
0	0	0	12.5006	25.32
0	0	0	12.6668	25.36
0	0	0	12.8337	25.39
0	0	0	13.0000	25.42
0	0	0	13.1669	25.44
0	0	0	13.3335	25.46
0	0	0	13.5000	25.48
0	0	0	13.6668	25.49
0	0	0	13.8334	25.50
0	0	0	14.0000	25.52
0	0	0	14.1667	25.53

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	14.3338	25.53
0	0	0	14.5002	25.54
0	0	0	14.6668	25.55
0	0	0	14.8335	25.56
0	0	0	15.0001	25.56
0	0	0	15.5003	25.57
0	0	0	16.0001	25.58
0	0	0	16.5000	25.59
0	0	0	17.0000	25.60
0	0	0	17.5004	25.61
0	0	0	18.0004	25.61
0	0	0	18.5000	25.62
0	0	0	19.0002	25.62
0	0	0	19.5002	25.63
0	0	0	20.0001	25.63
0	0	0	20.5000	25.64
0	0	0	21.0001	25.64
0	0	0	21.5002	25.64
0	0	0	22.0000	25.65
0	0	0	22.5001	25.65
0	0	0	23.0002	25.65
0	0	0	23.5001	25.66
0	0	0	24.0000	25.66
0	0	0	24.5001	25.66
0	0	0	25.0000	25.66
0	0	0	25.5001	25.66
0	0	0	26.0000	25.66
0	0	0	26.5001	25.66
0	0	0	27.0000	25.66
0	0	0	27.5001	25.66
0	0	0	28.0001	25.65
0	0	0	28.5000	25.65
0	0	0	29.0001	25.65
0	0	0	29.5000	25.65
0	0	0	30.0000	25.65
0	0	0	30.5001	25.65
0	0	0	31.0000	25.64
0	0	0	31.5000	25.64
0	0	0	32.0001	25.64
0	0	0	32.5001	25.64
0	0	0	33.0000	25.64
0	0	0	33.5000	25.63
0	0	0	34.0001	25.63
0	0	0	34.5000	25.63
0	0	0	35.0000	25.63
0	0	0	35.5000	25.63
0	0	0	36.0001	25.63
0	0	0	36.5000	25.62
0	0	0	37.0001	25.62

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	37.5000	25.62
0	0	0	38.0000	25.62
0	0	0	38.5000	25.62
0	0	0	39.0000	25.61
0	0	0	39.5000	25.61
0	0	0	40.0001	25.61
0	0	0	40.5000	25.61
0	0	0	41.0000	25.61
0	0	0	41.5001	25.60
0	0	0	42.0000	25.60
0	0	0	42.5000	25.60
0	0	0	43.0001	25.60
0	0	0	43.5001	25.60
0	0	0	44.0000	25.60
0	0	0	44.5001	25.59
0	0	0	45.0001	25.59
0	0	0	45.5001	25.59
0	0	0	46.0000	25.59
0	0	0	46.5001	25.59
0	0	0	47.0000	25.58
0	0	0	47.5001	25.58
0	0	0	48.0000	25.58
0	0	0	48.5001	25.58
0	0	0	49.0000	25.58
0	0	0	49.5000	25.58
0	0	0	50.0000	25.57
0	0	0	50.5001	25.57
0	0	0	51.0000	25.57
0	0	0	51.5000	25.57
0	0	0	52.0000	25.57
0	0	0	52.5000	25.56
0	0	0	53.0000	25.56
0	0	0	53.5000	25.56
0	0	0	54.0000	25.56
0	0	0	54.5000	25.56
0	0	0	55.0000	25.56
0	0	0	55.5000	25.55
0	0	0	56.0000	25.55
0	0	0	56.5001	25.55
0	0	0	57.0000	25.55
0	0	0	57.5000	25.55
0	0	0	58.0000	25.55
0	0	0	58.5000	25.55
0	0	0	59.0000	25.54
0	0	0	59.5001	25.54
0	0	0	60.0000	25.54
0	0	0	60.5001	25.54
0	0	0	61.0000	25.54
0	0	0	61.5000	25.54

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	62.0000	25.54
0	0	0	62.5000	25.54
0	0	0	63.0000	25.53
0	0	0	63.5000	25.53
0	0	0	64.0000	25.53
0	0	0	64.5000	25.53
0	0	0	65.0000	25.53
0	0	0	65.5000	25.53
0	0	0	66.0000	25.53
0	0	0	66.5001	25.53
0	0	0	67.0000	25.53
0	0	0	67.5000	25.53
0	0	0	68.0000	25.53
0	0	0	68.5001	25.53
0	0	0	69.0000	25.53
0	0	0	69.5000	25.53
0	0	0	70.0000	25.53
0	0	0	70.5000	25.53
0	0	0	71.0000	25.53
0	0	0	71.5000	25.53
0	0	0	72.0001	25.53
0	0	0	73.0001	25.53
0	0	0	74.0001	25.53
0	0	0	75.0000	25.53
0	0	0	76.0000	25.53
0	0	0	77.0000	25.53
0	0	0	78.0001	25.53
0	0	0	79.0001	25.53
0	0	0	80.0000	25.52
0	0	0	81.0000	25.52
0	0	0	82.0000	25.52
0	0	0	83.0000	25.52
0	0	0	84.0001	25.52
0	0	0	85.0000	25.52
0	0	0	86.0000	25.52
0	0	0	87.0000	25.52
0	0	0	88.0001	25.52
0	0	0	89.0000	25.52
0	0	0	90.0000	25.51
0	0	0	91.0000	25.51
0	0	0	92.0000	25.51
0	0	0	93.0000	25.51
0	0	0	94.0000	25.51
0	0	0	95.0001	25.51
0	0	0	96.0000	25.51
0	0	0	97.0000	25.51
0	0	0	98.0001	25.51
0	0	0	99.0001	25.51
0	0	0	100.0000	25.51

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	101.0000	25.50
0	0	0	102.0000	25.50
0	0	0	103.0000	25.50
0	0	0	104.0000	25.50
0	0	0	105.0001	25.50
0	0	0	106.0000	25.50
0	0	0	107.0001	25.50
0	0	0	108.0000	25.50
0	0	0	109.0000	25.50
0	0	0	110.0001	25.49
0	0	0	111.0000	25.49
0	0	0	112.0001	25.49
0	0	0	113.0001	25.49
0	0	0	114.0000	25.49
0	0	0	115.0000	25.49
0	0	0	116.0001	25.49
0	0	0	117.0000	25.49
0	0	0	118.0000	25.49
0	0	0	119.0000	25.48
0	0	0	120.0001	25.48
0	0	0	121.0001	25.48
0	0	0	122.0000	25.48
0	0	0	123.0000	25.48
0	0	0	124.0000	25.48
0	0	0	125.0001	25.48
0	0	0	126.0000	25.48
0	0	0	127.0000	25.48
0	0	0	128.0001	25.47
0	0	0	129.0000	25.47
0	0	0	130.0000	25.47
0	0	0	131.0000	25.47
0	0	0	132.0000	25.47
0	0	0	133.0001	25.47
0	0	0	134.0000	25.47
0	0	0	135.0001	25.46
0	0	0	136.0000	25.46
0	0	0	137.0000	25.46
0	0	0	138.0001	25.46
0	0	0	139.0000	25.46
0	0	0	140.0001	25.46
0	0	0	141.0001	25.46
0	0	0	142.0000	25.46
0	0	0	143.0000	25.45
0	0	0	144.0001	25.45
0	0	0	145.0000	25.45
0	0	0	146.0000	25.45
0	0	0	147.0001	25.45
0	0	0	148.0000	25.45
0	0	0	149.0001	25.45

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	150.0001	25.44
0	0	0	151.0000	25.44
0	0	0	152.0001	25.44
0	0	0	153.0000	25.44
0	0	0	154.0000	25.44
0	0	0	155.0001	25.44
0	0	0	156.0001	25.43
0	0	0	157.0001	25.43
0	0	0	158.0001	25.43
0	0	0	159.0001	25.43
0	0	0	160.0000	25.43
0	0	0	161.0000	25.43
0	0	0	162.0000	25.43
0	0	0	163.0000	25.42
0	0	0	164.0000	25.42
0	0	0	165.0000	25.42
0	0	0	166.0000	25.42
0	0	0	167.0000	25.42
0	0	0	168.0001	25.42
0	0	0	169.0001	25.41
0	0	0	170.0001	25.41
0	0	0	171.0000	25.41
0	0	0	172.0001	25.41
0	0	0	173.0000	25.41
0	0	0	174.0000	25.41
0	0	0	175.0000	25.40
0	0	0	176.0001	25.40
0	0	0	177.0000	25.40
0	0	0	178.0000	25.40
0	0	0	179.0001	25.40
0	0	0	180.0000	25.39
0	0	0	181.0000	25.39
0	0	0	182.0000	25.39
0	0	0	183.0000	25.39
0	0	0	184.0000	25.39
0	0	0	185.0000	25.39
0	0	0	186.0000	25.38
0	0	0	187.0001	25.38
0	0	0	188.0001	25.38
0	0	0	189.0001	25.38
0	0	0	190.0002	25.37
0	0	0	191.0000	25.37
0	0	0	192.0000	25.37
0	0	0	193.0000	25.37
0	0	0	194.0000	25.37
0	0	0	195.0000	25.36
0	0	0	196.0000	25.36
0	0	0	197.0001	25.36
0	0	0	198.0001	25.36

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	199.0000	25.35
0	0	0	200.0000	25.35
0	0	0	201.0000	25.35
0	0	0	202.0001	25.35
0	0	0	203.0001	25.35
0	0	0	204.0000	25.34
0	0	0	205.0001	25.34
0	0	0	206.0001	25.34
0	0	0	207.0000	25.34
0	0	0	208.0000	25.34
0	0	0	209.0001	25.33
0	0	0	210.0000	25.33
0	0	0	211.0001	25.33
0	0	0	212.0000	25.33
0	0	0	213.0000	25.32
0	0	0	214.0001	25.32
0	0	0	215.0001	25.32
0	0	0	216.0001	25.32
0	0	0	217.0000	25.31
0	0	0	218.0001	25.31
0	0	0	219.0000	25.31
0	0	0	220.0001	25.31
0	0	0	221.0001	25.30
0	0	0	222.0001	25.30
0	0	0	223.0000	25.30
0	0	0	224.0001	25.30
0	0	0	225.0001	25.30
0	0	0	226.0002	25.29
0	0	0	227.0000	25.29
0	0	0	228.0001	25.29
0	0	0	229.0001	25.29
0	0	0	230.0000	25.28
0	0	0	231.0001	25.28
0	0	0	232.0000	25.28
0	0	0	233.0001	25.28
0	0	0	234.0001	25.27
0	0	0	235.0001	25.27
0	0	0	236.0000	25.27
0	0	0	237.0000	25.27
0	0	0	238.0000	25.26
0	0	0	239.0001	25.26
0	0	0	240.0001	25.26
0	0	0	241.0000	25.26
0	0	0	242.0001	25.25
0	0	0	243.0000	25.25
0	0	0	244.0000	25.25
0	0	0	245.0001	25.25
0	0	0	246.0001	25.24
0	0	0	247.0000	25.24

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	248.0001	25.24
0	0	0	249.0004	25.24
0	0	0	250.0001	25.23
0	0	0	251.0003	25.23
0	0	0	252.0001	25.23
0	0	0	253.0000	25.23
0	0	0	254.0001	25.22
0	0	0	255.0003	25.22
0	0	0	256.0002	25.22
0	0	0	257.0001	25.22
0	0	0	258.0001	25.21
0	0	0	259.0002	25.21
0	0	0	260.0004	25.21
0	0	0	261.0001	25.21
0	0	0	262.0001	25.20
0	0	0	263.0003	25.20
0	0	0	264.0002	25.20
0	0	0	265.0001	25.20
0	0	0	266.0000	25.19
0	0	0	267.0001	25.19
0	0	0	268.0001	25.19
0	0	0	269.0002	25.19
0	0	0	270.0004	25.18
0	0	0	271.0002	25.18
0	0	0	272.0000	25.18
0	0	0	273.0002	25.18
0	0	0	274.0003	25.17
0	0	0	275.0002	25.17
0	0	0	276.0001	25.17
0	0	0	277.0001	25.17
0	0	0	278.0002	25.17
0	0	0	279.0001	25.16
0	0	0	280.0002	25.16
0	0	0	281.0004	25.16
0	0	0	282.0000	25.16
0	0	0	283.0001	25.15
0	0	0	284.0001	25.15
0	0	0	285.0001	25.15
0	0	0	286.0001	25.15
0	0	0	287.0000	25.14
0	0	0	288.0001	25.14
0	0	0	289.0002	25.14
0	0	0	290.0001	25.14
0	0	0	291.0002	25.13
0	0	0	292.0002	25.13
0	0	0	293.0002	25.13
0	0	0	294.0001	25.13
0	0	0	295.0000	25.13
0	0	0	296.0000	25.12

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	297.0000	25.12
0	0	0	298.0000	25.12
0	0	0	299.0002	25.12
0	0	0	300.0002	25.11
0	0	0	301.0002	25.11
0	0	0	302.0000	25.11
0	0	0	303.0001	25.11
0	0	0	304.0000	25.10
0	0	0	305.0001	25.10
0	0	0	306.0001	25.10
0	0	0	307.0001	25.10
0	0	0	308.0001	25.10
0	0	0	309.0001	25.09
0	0	0	310.0004	25.09
0	0	0	311.0003	25.09
0	0	0	312.0003	25.09

Comment:

Boundary Stage: EB TAILWATER

Boundary Stage Set: 10yr

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	24.84
0	0	0	0.5050	24.84
0	0	0	1.0021	24.84
0	0	0	1.5105	24.84
0	0	0	2.0001	24.84
0	0	0	2.5000	24.85
0	0	0	3.0000	24.85
0	0	0	3.5001	24.85
0	0	0	4.0000	24.85
0	0	0	4.5001	24.85
0	0	0	5.0001	24.87
0	0	0	5.5001	24.87
0	0	0	6.0008	24.87
0	0	0	6.5002	24.87
0	0	0	7.0000	24.88
0	0	0	7.5001	24.88
0	0	0	8.0000	24.88
0	0	0	8.5000	24.90
0	0	0	9.0000	24.90
0	0	0	9.5007	24.91
0	0	0	10.0000	24.91
0	0	0	10.1667	24.91
0	0	0	10.3334	24.93

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	10.5001	24.93
0	0	0	10.6669	24.94
0	0	0	10.8335	24.94
0	0	0	11.0003	24.94
0	0	0	11.1668	24.95
0	0	0	11.3335	24.97
0	0	0	11.5002	24.97
0	0	0	11.6669	24.98
0	0	0	11.8338	25.00
0	0	0	12.0004	25.03
0	0	0	12.1670	25.05
0	0	0	12.3335	25.11
0	0	0	12.5006	25.18
0	0	0	12.6667	25.28
0	0	0	12.8335	25.41
0	0	0	13.0002	25.54
0	0	0	13.1672	25.64
0	0	0	13.3334	25.70
0	0	0	13.5002	25.71
0	0	0	13.6673	25.73
0	0	0	13.8334	25.74
0	0	0	14.0002	25.74
0	0	0	14.1672	25.74
0	0	0	14.3336	25.74
0	0	0	14.5005	25.74
0	0	0	14.6673	25.74
0	0	0	14.8335	25.74
0	0	0	15.0009	25.74
0	0	0	15.5006	25.73
0	0	0	16.0004	25.70
0	0	0	16.5001	25.68
0	0	0	17.0002	25.65
0	0	0	17.5009	25.64
0	0	0	18.0008	25.61
0	0	0	18.5007	25.58
0	0	0	19.0004	25.57
0	0	0	19.5003	25.54
0	0	0	20.0003	25.54
0	0	0	20.5008	25.53
0	0	0	21.0009	25.51
0	0	0	21.5010	25.50
0	0	0	22.0011	25.50
0	0	0	22.5000	25.48
0	0	0	23.0008	25.47
0	0	0	23.5007	25.47
0	0	0	24.0003	25.45
0	0	0	24.5001	25.45
0	0	0	25.0004	25.44
0	0	0	25.5004	25.44

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	26.0003	25.43
0	0	0	26.5002	25.41
0	0	0	27.0001	25.40
0	0	0	27.5007	25.38
0	0	0	28.0009	25.37
0	0	0	28.5004	25.34
0	0	0	29.0005	25.33
0	0	0	29.5003	25.30
0	0	0	30.0002	25.28
0	0	0	30.5000	25.27
0	0	0	31.0005	25.24
0	0	0	31.5002	25.23
0	0	0	32.0006	25.20
0	0	0	32.5000	25.18
0	0	0	33.0007	25.15
0	0	0	33.5006	25.14
0	0	0	34.0002	25.11
0	0	0	34.5004	25.10
0	0	0	35.0003	25.08
0	0	0	35.5004	25.05
0	0	0	36.0001	25.04
0	0	0	36.5005	25.03
0	0	0	37.0003	25.01
0	0	0	37.5004	25.00
0	0	0	38.0003	24.98
0	0	0	38.5001	24.97
0	0	0	39.0003	24.95
0	0	0	39.5000	24.94
0	0	0	40.0003	24.93
0	0	0	40.5000	24.91
0	0	0	41.0000	24.91
0	0	0	41.5001	24.90
0	0	0	42.0002	24.88
0	0	0	42.5001	24.88
0	0	0	43.0001	24.87
0	0	0	43.5001	24.87
0	0	0	44.0001	24.87
0	0	0	44.5001	24.85
0	0	0	45.0001	24.85
0	0	0	45.5000	24.85
0	0	0	46.0001	24.85
0	0	0	46.5001	24.85
0	0	0	47.0001	24.85
0	0	0	47.5001	24.85
0	0	0	48.0001	24.85
0	0	0	48.5001	24.85
0	0	0	49.0001	24.85
0	0	0	49.5000	24.85
0	0	0	50.0001	24.85

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	50.5000	24.85
0	0	0	51.0001	24.85
0	0	0	51.5001	24.85
0	0	0	52.0000	24.85
0	0	0	52.5005	24.85
0	0	0	53.0001	24.85
0	0	0	53.5000	24.85
0	0	0	54.0001	24.85
0	0	0	54.5000	24.85
0	0	0	55.0002	24.85
0	0	0	55.5031	24.85
0	0	0	56.0012	24.85
0	0	0	56.5064	24.85
0	0	0	57.0074	24.85
0	0	0	57.5023	24.85
0	0	0	58.0004	24.85
0	0	0	58.5001	24.85
0	0	0	59.0001	24.85
0	0	0	59.5000	24.85
0	0	0	60.0001	24.85
0	0	0	60.5001	24.85
0	0	0	61.0001	24.85
0	0	0	61.5001	24.85
0	0	0	62.0010	24.85
0	0	0	62.5013	24.85
0	0	0	63.0002	24.85
0	0	0	63.5001	24.85
0	0	0	64.0002	24.85
0	0	0	64.5000	24.85
0	0	0	65.0000	24.85
0	0	0	65.5000	24.85
0	0	0	66.0002	24.85
0	0	0	66.5007	24.85
0	0	0	67.0000	24.85
0	0	0	67.5001	24.85
0	0	0	68.0000	24.85
0	0	0	68.5000	24.85
0	0	0	69.0000	24.85
0	0	0	69.5000	24.85
0	0	0	70.0000	24.85
0	0	0	70.5001	24.85
0	0	0	71.0001	24.85
0	0	0	71.5002	24.85
0	0	0	72.0001	24.85
0	0	0	73.0000	24.85
0	0	0	74.0001	24.84
0	0	0	75.0000	24.84
0	0	0	76.0001	24.84
0	0	0	77.0006	24.84

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	78.0001	24.84
0	0	0	79.0000	24.84
0	0	0	80.0016	24.84
0	0	0	81.0001	24.84
0	0	0	82.0002	24.84
0	0	0	83.0001	24.84
0	0	0	84.0012	24.84
0	0	0	85.0001	24.84
0	0	0	86.0000	24.84
0	0	0	87.0002	24.84
0	0	0	88.0001	24.84
0	0	0	89.0001	24.84
0	0	0	90.0001	24.84
0	0	0	91.0001	24.84
0	0	0	92.0008	24.84
0	0	0	93.0000	24.84
0	0	0	94.0008	24.84
0	0	0	95.0008	24.84
0	0	0	96.0029	24.84
0	0	0	97.0029	24.84
0	0	0	98.0056	24.84
0	0	0	99.0002	24.84
0	0	0	100.0002	24.84
0	0	0	101.0023	24.84
0	0	0	102.0033	24.84
0	0	0	103.0001	24.84
0	0	0	104.0003	24.84
0	0	0	105.0002	24.84
0	0	0	106.0001	24.84
0	0	0	107.0008	24.84
0	0	0	108.0003	24.84
0	0	0	109.0002	24.84
0	0	0	110.0008	24.84
0	0	0	111.0002	24.84
0	0	0	112.0001	24.84
0	0	0	113.0009	24.84
0	0	0	114.0008	24.84
0	0	0	115.0001	24.84
0	0	0	116.0001	24.84
0	0	0	117.0001	24.84
0	0	0	118.0002	24.84
0	0	0	119.0003	24.84
0	0	0	120.0002	24.84
0	0	0	121.0002	24.84
0	0	0	122.0006	24.84
0	0	0	123.0009	24.84
0	0	0	124.0001	24.84
0	0	0	125.0001	24.84
0	0	0	126.0006	24.84

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	127.0003	24.84
0	0	0	128.0000	24.84
0	0	0	129.0018	24.84
0	0	0	130.0019	24.84
0	0	0	131.0016	24.84
0	0	0	132.0001	24.84
0	0	0	133.0002	24.84
0	0	0	134.0009	24.84
0	0	0	135.0010	24.84
0	0	0	136.0002	24.84
0	0	0	137.0004	24.84
0	0	0	138.0005	24.84
0	0	0	139.0004	24.84
0	0	0	140.0003	24.84
0	0	0	141.0002	24.84
0	0	0	142.0001	24.84
0	0	0	143.0000	24.84
0	0	0	144.0007	24.84
0	0	0	145.0015	24.84
0	0	0	146.0006	24.84
0	0	0	147.0002	24.84
0	0	0	148.0001	24.84
0	0	0	149.0013	24.84
0	0	0	150.0010	24.84
0	0	0	151.0003	24.84
0	0	0	152.0002	24.84
0	0	0	153.0023	24.84
0	0	0	154.0000	24.84
0	0	0	155.0003	24.84
0	0	0	156.0001	24.84
0	0	0	157.0011	24.84
0	0	0	158.0001	24.84
0	0	0	159.0005	24.84
0	0	0	160.0003	24.84
0	0	0	161.0007	24.84
0	0	0	162.0001	24.84
0	0	0	163.0014	24.84
0	0	0	164.0005	24.84
0	0	0	165.0006	24.84
0	0	0	166.0005	24.84
0	0	0	167.0005	24.84
0	0	0	168.0014	24.84
0	0	0	169.0001	24.84
0	0	0	170.0012	24.84
0	0	0	171.0003	24.84
0	0	0	172.0020	24.84
0	0	0	173.0007	24.84
0	0	0	174.0020	24.84
0	0	0	175.0001	24.84

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	176.0062	24.84
0	0	0	177.0012	24.84
0	0	0	178.0077	24.84
0	0	0	179.0031	24.84
0	0	0	180.0015	24.84
0	0	0	181.0039	24.84
0	0	0	182.0062	24.84
0	0	0	183.0011	24.84
0	0	0	184.0053	24.84
0	0	0	185.0033	24.84
0	0	0	186.0111	24.84
0	0	0	187.0046	24.84
0	0	0	188.0072	24.84
0	0	0	189.0002	24.84
0	0	0	190.0011	24.84
0	0	0	191.0048	24.84
0	0	0	192.0072	24.84
0	0	0	193.0043	24.84
0	0	0	194.0089	24.84
0	0	0	195.0008	24.84
0	0	0	196.0014	24.84
0	0	0	197.0033	24.84
0	0	0	198.0016	24.84
0	0	0	199.0017	24.84
0	0	0	200.0060	24.84
0	0	0	201.0056	24.84
0	0	0	202.0078	24.84
0	0	0	203.0003	24.84
0	0	0	204.0078	24.84
0	0	0	205.0024	24.84
0	0	0	206.0029	24.84
0	0	0	207.0030	24.84
0	0	0	208.0042	24.84
0	0	0	209.0018	24.84
0	0	0	210.0079	24.84
0	0	0	211.0054	24.84
0	0	0	212.0007	24.84
0	0	0	213.0012	24.84
0	0	0	214.0035	24.84
0	0	0	215.0027	24.84
0	0	0	216.0015	24.84
0	0	0	217.0019	24.84
0	0	0	218.0006	24.84
0	0	0	219.0024	24.84
0	0	0	220.0047	24.84
0	0	0	221.0004	24.84
0	0	0	222.0088	24.84
0	0	0	223.0026	24.84
0	0	0	224.0051	24.84

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	225.0006	24.84
0	0	0	226.0010	24.84
0	0	0	227.0066	24.84
0	0	0	228.0017	24.84
0	0	0	229.0087	24.84
0	0	0	230.0018	24.84
0	0	0	231.0076	24.84
0	0	0	232.0011	24.84
0	0	0	233.0000	24.84
0	0	0	234.0061	24.84
0	0	0	235.0024	24.84
0	0	0	236.0053	24.84
0	0	0	237.0003	24.84
0	0	0	238.0031	24.84
0	0	0	239.0031	24.84
0	0	0	240.0000	24.84
0	0	0	241.0016	24.84
0	0	0	242.0018	24.84
0	0	0	243.0050	24.84
0	0	0	244.0007	24.84
0	0	0	245.0033	24.84
0	0	0	246.0105	24.84
0	0	0	247.0005	24.84
0	0	0	248.0031	24.84
0	0	0	249.0016	24.84
0	0	0	250.0078	24.84
0	0	0	251.0027	24.84
0	0	0	252.0032	24.84
0	0	0	253.0010	24.84
0	0	0	254.0013	24.84
0	0	0	255.0113	24.84
0	0	0	256.0050	24.84
0	0	0	257.0048	24.84
0	0	0	258.0021	24.84
0	0	0	259.0001	24.84
0	0	0	260.0034	24.84
0	0	0	261.0017	24.84
0	0	0	262.0045	24.84
0	0	0	263.0040	24.84
0	0	0	264.0001	24.84
0	0	0	265.0040	24.84
0	0	0	266.0034	24.84
0	0	0	267.0017	24.84
0	0	0	268.0002	24.84
0	0	0	269.0045	24.84
0	0	0	270.0031	24.84
0	0	0	271.0059	24.84
0	0	0	272.0016	24.84
0	0	0	273.0006	24.84

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	274.0059	24.84
0	0	0	275.0070	24.84
0	0	0	276.0012	24.84
0	0	0	277.0012	24.84
0	0	0	278.0027	24.84
0	0	0	279.0031	24.84
0	0	0	280.0026	24.84
0	0	0	281.0054	24.84
0	0	0	282.0008	24.84
0	0	0	283.0018	24.84
0	0	0	284.0146	24.84
0	0	0	285.0021	24.84
0	0	0	286.0063	24.84
0	0	0	287.0039	24.84
0	0	0	288.0121	24.84
0	0	0	289.0025	24.84
0	0	0	290.0068	24.84
0	0	0	291.0050	24.84
0	0	0	292.0019	24.84
0	0	0	293.0010	24.84
0	0	0	294.0088	24.84
0	0	0	295.0000	24.84
0	0	0	296.0119	24.84
0	0	0	297.0019	24.84
0	0	0	298.0037	24.84
0	0	0	299.0084	24.84
0	0	0	300.0090	24.84
0	0	0	301.0017	24.84
0	0	0	302.0018	24.84
0	0	0	303.0039	24.84
0	0	0	304.0028	24.84
0	0	0	305.0081	24.84
0	0	0	306.0049	24.84
0	0	0	307.0008	24.84
0	0	0	308.0029	24.84
0	0	0	309.0032	24.84
0	0	0	310.0107	24.84
0	0	0	311.0060	24.84
0	0	0	312.0027	24.84

Comment:

Boundary Stage: TC TAILWATER

Boundary Stage Set: 10yr

Year	Month	Day	Hour [hr]	Stage [ft]

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	25.00
0	0	0	0.5004	25.00
0	0	0	1.0010	25.00
0	0	0	1.5002	25.00
0	0	0	2.0006	25.00
0	0	0	2.5006	25.00
0	0	0	3.0001	25.00
0	0	0	3.5001	25.00
0	0	0	4.0002	25.01
0	0	0	4.5001	25.01
0	0	0	5.0002	25.01
0	0	0	5.5002	25.01
0	0	0	6.0004	25.02
0	0	0	6.5003	25.02
0	0	0	7.0001	25.02
0	0	0	7.5006	25.03
0	0	0	8.0004	25.04
0	0	0	8.5001	25.04
0	0	0	9.0001	25.05
0	0	0	9.5001	25.06
0	0	0	10.0003	25.07
0	0	0	10.1668	25.07
0	0	0	10.3336	25.08
0	0	0	10.5001	25.08
0	0	0	10.6668	25.09
0	0	0	10.8336	25.09
0	0	0	11.0009	25.10
0	0	0	11.1667	25.10
0	0	0	11.3338	25.11
0	0	0	11.5002	25.11
0	0	0	11.6667	25.12
0	0	0	11.8334	25.13
0	0	0	12.0001	25.15
0	0	0	12.1668	25.17
0	0	0	12.3336	25.20
0	0	0	12.5006	25.24
0	0	0	12.6668	25.27
0	0	0	12.8337	25.29
0	0	0	13.0000	25.32
0	0	0	13.1669	25.34
0	0	0	13.3335	25.35
0	0	0	13.5000	25.37
0	0	0	13.6668	25.39
0	0	0	13.8334	25.40
0	0	0	14.0000	25.41
0	0	0	14.1667	25.42
0	0	0	14.3338	25.43
0	0	0	14.5002	25.44
0	0	0	14.6668	25.45

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	14.8335	25.46
0	0	0	15.0001	25.47
0	0	0	15.5003	25.48
0	0	0	16.0001	25.50
0	0	0	16.5000	25.51
0	0	0	17.0000	25.52
0	0	0	17.5004	25.53
0	0	0	18.0004	25.54
0	0	0	18.5000	25.55
0	0	0	19.0002	25.56
0	0	0	19.5002	25.56
0	0	0	20.0001	25.57
0	0	0	20.5000	25.58
0	0	0	21.0001	25.59
0	0	0	21.5002	25.59
0	0	0	22.0000	25.60
0	0	0	22.5001	25.60
0	0	0	23.0002	25.61
0	0	0	23.5001	25.61
0	0	0	24.0000	25.62
0	0	0	24.5001	25.62
0	0	0	25.0000	25.63
0	0	0	25.5001	25.63
0	0	0	26.0000	25.63
0	0	0	26.5001	25.63
0	0	0	27.0000	25.63
0	0	0	27.5001	25.63
0	0	0	28.0001	25.63
0	0	0	28.5000	25.63
0	0	0	29.0001	25.63
0	0	0	29.5000	25.63
0	0	0	30.0000	25.63
0	0	0	30.5001	25.63
0	0	0	31.0000	25.63
0	0	0	31.5000	25.63
0	0	0	32.0001	25.63
0	0	0	32.5001	25.63
0	0	0	33.0000	25.63
0	0	0	33.5000	25.62
0	0	0	34.0001	25.62
0	0	0	34.5000	25.62
0	0	0	35.0000	25.62
0	0	0	35.5000	25.62
0	0	0	36.0001	25.62
0	0	0	36.5000	25.62
0	0	0	37.0001	25.62
0	0	0	37.5000	25.61
0	0	0	38.0000	25.61
0	0	0	38.5000	25.61

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	39.0000	25.61
0	0	0	39.5000	25.61
0	0	0	40.0001	25.61
0	0	0	40.5000	25.61
0	0	0	41.0000	25.60
0	0	0	41.5001	25.60
0	0	0	42.0000	25.60
0	0	0	42.5000	25.60
0	0	0	43.0001	25.60
0	0	0	43.5001	25.60
0	0	0	44.0000	25.59
0	0	0	44.5001	25.59
0	0	0	45.0001	25.59
0	0	0	45.5001	25.59
0	0	0	46.0000	25.59
0	0	0	46.5001	25.59
0	0	0	47.0000	25.58
0	0	0	47.5001	25.58
0	0	0	48.0000	25.58
0	0	0	48.5001	25.58
0	0	0	49.0000	25.58
0	0	0	49.5000	25.57
0	0	0	50.0000	25.57
0	0	0	50.5001	25.57
0	0	0	51.0000	25.57
0	0	0	51.5000	25.57
0	0	0	52.0000	25.57
0	0	0	52.5000	25.56
0	0	0	53.0000	25.56
0	0	0	53.5000	25.56
0	0	0	54.0000	25.56
0	0	0	54.5000	25.56
0	0	0	55.0000	25.56
0	0	0	55.5000	25.55
0	0	0	56.0000	25.55
0	0	0	56.5001	25.55
0	0	0	57.0000	25.55
0	0	0	57.5000	25.55
0	0	0	58.0000	25.55
0	0	0	58.5000	25.55
0	0	0	59.0000	25.54
0	0	0	59.5001	25.54
0	0	0	60.0000	25.55
0	0	0	60.5001	25.56
0	0	0	61.0000	25.56
0	0	0	61.5000	25.57
0	0	0	62.0000	25.56
0	0	0	62.5000	25.56
0	0	0	63.0000	25.56

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	63.5000	25.56
0	0	0	64.0000	25.56
0	0	0	64.5000	25.55
0	0	0	65.0000	25.55
0	0	0	65.5000	25.55
0	0	0	66.0000	25.55
0	0	0	66.5001	25.54
0	0	0	67.0000	25.54
0	0	0	67.5000	25.54
0	0	0	68.0000	25.54
0	0	0	68.5001	25.53
0	0	0	69.0000	25.53
0	0	0	69.5000	25.53
0	0	0	70.0000	25.53
0	0	0	70.5000	25.52
0	0	0	71.0000	25.52
0	0	0	71.5000	25.52
0	0	0	72.0001	25.52
0	0	0	73.0001	25.51
0	0	0	74.0001	25.51
0	0	0	75.0000	25.51
0	0	0	76.0000	25.50
0	0	0	77.0000	25.50
0	0	0	78.0001	25.50
0	0	0	79.0001	25.49
0	0	0	80.0000	25.49
0	0	0	81.0000	25.49
0	0	0	82.0000	25.49
0	0	0	83.0000	25.49
0	0	0	84.0001	25.48
0	0	0	85.0000	25.48
0	0	0	86.0000	25.48
0	0	0	87.0000	25.48
0	0	0	88.0001	25.48
0	0	0	89.0000	25.47
0	0	0	90.0000	25.47
0	0	0	91.0000	25.47
0	0	0	92.0000	25.47
0	0	0	93.0000	25.47
0	0	0	94.0000	25.47
0	0	0	95.0001	25.47
0	0	0	96.0000	25.47
0	0	0	97.0000	25.46
0	0	0	98.0001	25.46
0	0	0	99.0001	25.46
0	0	0	100.0000	25.46
0	0	0	101.0000	25.46
0	0	0	102.0000	25.46
0	0	0	103.0000	25.46

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	104.0000	25.46
0	0	0	105.0001	25.46
0	0	0	106.0000	25.45
0	0	0	107.0001	25.45
0	0	0	108.0000	25.45
0	0	0	109.0000	25.45
0	0	0	110.0001	25.45
0	0	0	111.0000	25.45
0	0	0	112.0001	25.45
0	0	0	113.0001	25.45
0	0	0	114.0000	25.45
0	0	0	115.0000	25.45
0	0	0	116.0001	25.44
0	0	0	117.0000	25.44
0	0	0	118.0000	25.44
0	0	0	119.0000	25.44
0	0	0	120.0001	25.44
0	0	0	121.0001	25.44
0	0	0	122.0000	25.44
0	0	0	123.0000	25.44
0	0	0	124.0000	25.44
0	0	0	125.0001	25.43
0	0	0	126.0000	25.43
0	0	0	127.0000	25.43
0	0	0	128.0001	25.43
0	0	0	129.0000	25.43
0	0	0	130.0000	25.43
0	0	0	131.0000	25.43
0	0	0	132.0000	25.43
0	0	0	133.0001	25.43
0	0	0	134.0000	25.42
0	0	0	135.0001	25.42
0	0	0	136.0000	25.42
0	0	0	137.0000	25.42
0	0	0	138.0001	25.42
0	0	0	139.0000	25.42
0	0	0	140.0001	25.42
0	0	0	141.0001	25.42
0	0	0	142.0000	25.42
0	0	0	143.0000	25.41
0	0	0	144.0001	25.41
0	0	0	145.0000	25.41
0	0	0	146.0000	25.41
0	0	0	147.0001	25.41
0	0	0	148.0000	25.41
0	0	0	149.0001	25.41
0	0	0	150.0001	25.41
0	0	0	151.0000	25.40
0	0	0	152.0001	25.40

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	153.0000	25.40
0	0	0	154.0000	25.40
0	0	0	155.0001	25.40
0	0	0	156.0001	25.40
0	0	0	157.0001	25.40
0	0	0	158.0001	25.40
0	0	0	159.0001	25.39
0	0	0	160.0000	25.39
0	0	0	161.0000	25.39
0	0	0	162.0000	25.39
0	0	0	163.0000	25.39
0	0	0	164.0000	25.39
0	0	0	165.0000	25.39
0	0	0	166.0000	25.38
0	0	0	167.0000	25.38
0	0	0	168.0001	25.38
0	0	0	169.0001	25.38
0	0	0	170.0001	25.38
0	0	0	171.0000	25.38
0	0	0	172.0001	25.38
0	0	0	173.0000	25.37
0	0	0	174.0000	25.37
0	0	0	175.0000	25.37
0	0	0	176.0001	25.37
0	0	0	177.0000	25.37
0	0	0	178.0000	25.37
0	0	0	179.0001	25.37
0	0	0	180.0000	25.36
0	0	0	181.0000	25.36
0	0	0	182.0000	25.36
0	0	0	183.0000	25.36
0	0	0	184.0000	25.36
0	0	0	185.0000	25.36
0	0	0	186.0000	25.35
0	0	0	187.0001	25.35
0	0	0	188.0001	25.35
0	0	0	189.0001	25.35
0	0	0	190.0002	25.35
0	0	0	191.0000	25.35
0	0	0	192.0000	25.34
0	0	0	193.0000	25.34
0	0	0	194.0000	25.34
0	0	0	195.0000	25.34
0	0	0	196.0000	25.34
0	0	0	197.0001	25.34
0	0	0	198.0001	25.33
0	0	0	199.0000	25.33
0	0	0	200.0000	25.33
0	0	0	201.0000	25.33

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	202.0001	25.33
0	0	0	203.0001	25.33
0	0	0	204.0000	25.32
0	0	0	205.0001	25.32
0	0	0	206.0001	25.32
0	0	0	207.0000	25.32
0	0	0	208.0000	25.32
0	0	0	209.0001	25.31
0	0	0	210.0000	25.31
0	0	0	211.0001	25.31
0	0	0	212.0000	25.31
0	0	0	213.0000	25.31
0	0	0	214.0001	25.30
0	0	0	215.0001	25.30
0	0	0	216.0001	25.30
0	0	0	217.0000	25.30
0	0	0	218.0001	25.30
0	0	0	219.0000	25.29
0	0	0	220.0001	25.29
0	0	0	221.0001	25.29
0	0	0	222.0001	25.29
0	0	0	223.0000	25.28
0	0	0	224.0001	25.28
0	0	0	225.0001	25.28
0	0	0	226.0002	25.28
0	0	0	227.0000	25.28
0	0	0	228.0001	25.27
0	0	0	229.0001	25.27
0	0	0	230.0000	25.27
0	0	0	231.0001	25.27
0	0	0	232.0000	25.27
0	0	0	233.0001	25.26
0	0	0	234.0001	25.26
0	0	0	235.0001	25.26
0	0	0	236.0000	25.26
0	0	0	237.0000	25.25
0	0	0	238.0000	25.25
0	0	0	239.0001	25.25
0	0	0	240.0001	25.25
0	0	0	241.0000	25.25
0	0	0	242.0001	25.24
0	0	0	243.0000	25.24
0	0	0	244.0000	25.24
0	0	0	245.0001	25.24
0	0	0	246.0001	25.23
0	0	0	247.0000	25.23
0	0	0	248.0001	25.23
0	0	0	249.0004	25.23
0	0	0	250.0001	25.23

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	251.0003	25.22
0	0	0	252.0001	25.22
0	0	0	253.0000	25.22
0	0	0	254.0001	25.22
0	0	0	255.0003	25.21
0	0	0	256.0002	25.21
0	0	0	257.0001	25.21
0	0	0	258.0001	25.21
0	0	0	259.0002	25.21
0	0	0	260.0004	25.20
0	0	0	261.0001	25.20
0	0	0	262.0001	25.20
0	0	0	263.0003	25.20
0	0	0	264.0002	25.19
0	0	0	265.0001	25.19
0	0	0	266.0000	25.19
0	0	0	267.0001	25.19
0	0	0	268.0001	25.19
0	0	0	269.0002	25.18
0	0	0	270.0004	25.18
0	0	0	271.0002	25.18
0	0	0	272.0000	25.18
0	0	0	273.0002	25.17
0	0	0	274.0003	25.17
0	0	0	275.0002	25.17
0	0	0	276.0001	25.17
0	0	0	277.0001	25.17
0	0	0	278.0002	25.16
0	0	0	279.0001	25.16
0	0	0	280.0002	25.16
0	0	0	281.0004	25.16
0	0	0	282.0000	25.15
0	0	0	283.0001	25.15
0	0	0	284.0001	25.15
0	0	0	285.0001	25.15
0	0	0	286.0001	25.15
0	0	0	287.0000	25.14
0	0	0	288.0001	25.14
0	0	0	289.0002	25.14
0	0	0	290.0001	25.14
0	0	0	291.0002	25.14
0	0	0	292.0002	25.13
0	0	0	293.0002	25.13
0	0	0	294.0001	25.13
0	0	0	295.0000	25.13
0	0	0	296.0000	25.12
0	0	0	297.0000	25.12
0	0	0	298.0000	25.12
0	0	0	299.0002	25.12

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	300.0002	25.12
0	0	0	301.0002	25.11
0	0	0	302.0000	25.11
0	0	0	303.0001	25.11
0	0	0	304.0000	25.11
0	0	0	305.0001	25.11
0	0	0	306.0001	25.10
0	0	0	307.0001	25.10
0	0	0	308.0001	25.10
0	0	0	309.0001	25.10
0	0	0	310.0004	25.10
0	0	0	311.0003	25.09
0	0	0	312.0003	25.09

Comment:

Boundary Stage: Airport Basin 11

Boundary Stage Set: 2.33yr

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	25.00
0	0	0	0.5004	25.00
0	0	0	1.0010	24.99
0	0	0	1.5002	24.99
0	0	0	2.0003	24.99
0	0	0	2.5007	24.99
0	0	0	3.0007	24.99
0	0	0	3.5004	24.99
0	0	0	4.0000	24.99
0	0	0	4.5004	24.99
0	0	0	5.0004	24.99
0	0	0	5.5002	24.99
0	0	0	6.0001	25.00
0	0	0	6.5000	25.00
0	0	0	7.0002	25.00
0	0	0	7.5001	25.01
0	0	0	8.0000	25.01
0	0	0	8.5000	25.02
0	0	0	9.0000	25.02
0	0	0	9.5007	25.03
0	0	0	10.0001	25.04
0	0	0	10.1669	25.04
0	0	0	10.3333	25.04
0	0	0	10.5000	25.05
0	0	0	10.6671	25.05
0	0	0	10.8334	25.06

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	11.0001	25.06
0	0	0	11.1668	25.07
0	0	0	11.3334	25.07
0	0	0	11.5000	25.08
0	0	0	11.6668	25.08
0	0	0	11.8335	25.10
0	0	0	12.0000	25.11
0	0	0	12.1668	25.14
0	0	0	12.3334	25.18
0	0	0	12.5001	25.21
0	0	0	12.6669	25.24
0	0	0	12.8334	25.27
0	0	0	13.0000	25.29
0	0	0	13.1668	25.31
0	0	0	13.3335	25.33
0	0	0	13.5000	25.34
0	0	0	13.6667	25.35
0	0	0	13.8335	25.36
0	0	0	14.0002	25.37
0	0	0	14.1667	25.38
0	0	0	14.3334	25.39
0	0	0	14.5001	25.39
0	0	0	14.6669	25.40
0	0	0	14.8335	25.40
0	0	0	15.0002	25.41
0	0	0	15.5001	25.42
0	0	0	16.0000	25.42
0	0	0	16.5001	25.43
0	0	0	17.0000	25.43
0	0	0	17.5001	25.44
0	0	0	18.0001	25.44
0	0	0	18.5002	25.45
0	0	0	19.0001	25.45
0	0	0	19.5002	25.46
0	0	0	20.0000	25.46
0	0	0	20.5002	25.46
0	0	0	21.0001	25.47
0	0	0	21.5001	25.47
0	0	0	22.0000	25.47
0	0	0	22.5000	25.47
0	0	0	23.0001	25.47
0	0	0	23.5001	25.48
0	0	0	24.0001	25.48
0	0	0	24.5000	25.48
0	0	0	25.0002	25.48
0	0	0	25.5001	25.48
0	0	0	26.0001	25.48
0	0	0	26.5001	25.47
0	0	0	27.0000	25.47

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	27.5000	25.47
0	0	0	28.0001	25.47
0	0	0	28.5000	25.47
0	0	0	29.0000	25.47
0	0	0	29.5000	25.46
0	0	0	30.0000	25.46
0	0	0	30.5000	25.46
0	0	0	31.0000	25.46
0	0	0	31.5000	25.46
0	0	0	32.0001	25.45
0	0	0	32.5001	25.45
0	0	0	33.0001	25.45
0	0	0	33.5000	25.45
0	0	0	34.0000	25.45
0	0	0	34.5000	25.45
0	0	0	35.0000	25.44
0	0	0	35.5001	25.44
0	0	0	36.0001	25.44
0	0	0	36.5000	25.44
0	0	0	37.0000	25.44
0	0	0	37.5000	25.43
0	0	0	38.0000	25.43
0	0	0	38.5000	25.43
0	0	0	39.0000	25.43
0	0	0	39.5001	25.43
0	0	0	40.0000	25.43
0	0	0	40.5000	25.42
0	0	0	41.0000	25.42
0	0	0	41.5000	25.42
0	0	0	42.0000	25.42
0	0	0	42.5000	25.42
0	0	0	43.0000	25.41
0	0	0	43.5000	25.41
0	0	0	44.0000	25.41
0	0	0	44.5000	25.41
0	0	0	45.0000	25.41
0	0	0	45.5001	25.41
0	0	0	46.0001	25.40
0	0	0	46.5000	25.40
0	0	0	47.0000	25.40
0	0	0	47.5000	25.40
0	0	0	48.0001	25.40
0	0	0	48.5001	25.40
0	0	0	49.0000	25.39
0	0	0	49.5000	25.39
0	0	0	50.0000	25.39
0	0	0	50.5001	25.39
0	0	0	51.0001	25.39
0	0	0	51.5001	25.39

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	52.0001	25.38
0	0	0	52.5000	25.38
0	0	0	53.0001	25.38
0	0	0	53.5001	25.38
0	0	0	54.0001	25.38
0	0	0	54.5001	25.38
0	0	0	55.0000	25.38
0	0	0	55.5000	25.37
0	0	0	56.0000	25.37
0	0	0	56.5001	25.37
0	0	0	57.0000	25.37
0	0	0	57.5001	25.37
0	0	0	58.0001	25.37
0	0	0	58.5001	25.36
0	0	0	59.0001	25.36
0	0	0	59.5001	25.36
0	0	0	60.0000	25.36
0	0	0	60.5000	25.36
0	0	0	61.0000	25.36
0	0	0	61.5000	25.36
0	0	0	62.0000	25.36
0	0	0	62.5000	25.36
0	0	0	63.0000	25.36
0	0	0	63.5000	25.36
0	0	0	64.0001	25.36
0	0	0	64.5000	25.36
0	0	0	65.0000	25.36
0	0	0	65.5000	25.36
0	0	0	66.0001	25.36
0	0	0	66.5000	25.36
0	0	0	67.0000	25.36
0	0	0	67.5000	25.36
0	0	0	68.0002	25.36
0	0	0	68.5001	25.36
0	0	0	69.0000	25.36
0	0	0	69.5000	25.36
0	0	0	70.0000	25.36
0	0	0	70.5001	25.36
0	0	0	71.0000	25.36
0	0	0	71.5001	25.36
0	0	0	72.0001	25.36
0	0	0	73.0001	25.36
0	0	0	74.0000	25.36
0	0	0	75.0000	25.36
0	0	0	76.0000	25.36
0	0	0	77.0001	25.36
0	0	0	78.0000	25.36
0	0	0	79.0002	25.36
0	0	0	80.0001	25.36

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	81.0001	25.36
0	0	0	82.0001	25.36
0	0	0	83.0001	25.36
0	0	0	84.0000	25.36
0	0	0	85.0001	25.36
0	0	0	86.0002	25.36
0	0	0	87.0001	25.36
0	0	0	88.0000	25.36
0	0	0	89.0000	25.36
0	0	0	90.0000	25.36
0	0	0	91.0000	25.36
0	0	0	92.0000	25.36
0	0	0	93.0001	25.36
0	0	0	94.0000	25.36
0	0	0	95.0001	25.36
0	0	0	96.0001	25.36
0	0	0	97.0000	25.36
0	0	0	98.0000	25.36
0	0	0	99.0001	25.36
0	0	0	100.0001	25.36
0	0	0	101.0000	25.36
0	0	0	102.0001	25.36
0	0	0	103.0001	25.36
0	0	0	104.0001	25.36
0	0	0	105.0000	25.35
0	0	0	106.0001	25.35
0	0	0	107.0001	25.35
0	0	0	108.0001	25.35
0	0	0	109.0001	25.35
0	0	0	110.0001	25.35
0	0	0	111.0001	25.35
0	0	0	112.0001	25.35
0	0	0	113.0001	25.35
0	0	0	114.0000	25.35
0	0	0	115.0001	25.35
0	0	0	116.0000	25.35
0	0	0	117.0001	25.35
0	0	0	118.0002	25.35
0	0	0	119.0000	25.35
0	0	0	120.0001	25.35
0	0	0	121.0001	25.35
0	0	0	122.0001	25.35
0	0	0	123.0000	25.34
0	0	0	124.0001	25.34
0	0	0	125.0002	25.34
0	0	0	126.0001	25.34
0	0	0	127.0000	25.34
0	0	0	128.0001	25.34
0	0	0	129.0003	25.34

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	130.0001	25.34
0	0	0	131.0001	25.34
0	0	0	132.0000	25.34
0	0	0	133.0000	25.34
0	0	0	134.0003	25.34
0	0	0	135.0002	25.34
0	0	0	136.0000	25.33
0	0	0	137.0001	25.33
0	0	0	138.0001	25.33
0	0	0	139.0001	25.33
0	0	0	140.0003	25.33
0	0	0	141.0001	25.33
0	0	0	142.0001	25.33
0	0	0	143.0004	25.33
0	0	0	144.0001	25.33
0	0	0	145.0001	25.33
0	0	0	146.0001	25.33
0	0	0	147.0001	25.33
0	0	0	148.0003	25.32
0	0	0	149.0000	25.32
0	0	0	150.0001	25.32
0	0	0	151.0000	25.32
0	0	0	152.0002	25.32
0	0	0	153.0004	25.32
0	0	0	154.0000	25.32
0	0	0	155.0001	25.32
0	0	0	156.0001	25.32
0	0	0	157.0002	25.32
0	0	0	158.0000	25.31
0	0	0	159.0001	25.31
0	0	0	160.0002	25.31
0	0	0	161.0003	25.31
0	0	0	162.0000	25.31
0	0	0	163.0002	25.31
0	0	0	164.0002	25.31
0	0	0	165.0003	25.31
0	0	0	166.0000	25.31
0	0	0	167.0001	25.31
0	0	0	168.0002	25.30
0	0	0	169.0001	25.30
0	0	0	170.0003	25.30
0	0	0	171.0002	25.30
0	0	0	172.0002	25.30
0	0	0	173.0001	25.30
0	0	0	174.0000	25.30
0	0	0	175.0003	25.30
0	0	0	176.0003	25.29
0	0	0	177.0000	25.29
0	0	0	178.0000	25.29

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	179.0001	25.29
0	0	0	180.0000	25.29
0	0	0	181.0001	25.29
0	0	0	182.0001	25.29
0	0	0	183.0003	25.29
0	0	0	184.0000	25.28
0	0	0	185.0002	25.28
0	0	0	186.0001	25.28
0	0	0	187.0000	25.28
0	0	0	188.0000	25.28
0	0	0	189.0002	25.28
0	0	0	190.0000	25.28
0	0	0	191.0002	25.28
0	0	0	192.0002	25.27
0	0	0	193.0001	25.27
0	0	0	194.0002	25.27
0	0	0	195.0002	25.27
0	0	0	196.0000	25.27
0	0	0	197.0003	25.27
0	0	0	198.0002	25.26
0	0	0	199.0002	25.26
0	0	0	200.0001	25.26
0	0	0	201.0000	25.26
0	0	0	202.0002	25.26
0	0	0	203.0001	25.26
0	0	0	204.0005	25.26
0	0	0	205.0001	25.25
0	0	0	206.0001	25.25
0	0	0	207.0000	25.25
0	0	0	208.0002	25.25
0	0	0	209.0001	25.25
0	0	0	210.0000	25.25
0	0	0	211.0003	25.24
0	0	0	212.0001	25.24
0	0	0	213.0003	25.24
0	0	0	214.0001	25.24
0	0	0	215.0003	25.24
0	0	0	216.0001	25.23
0	0	0	217.0000	25.23
0	0	0	218.0001	25.23
0	0	0	219.0000	25.23
0	0	0	220.0002	25.23
0	0	0	221.0001	25.22
0	0	0	222.0001	25.22
0	0	0	223.0002	25.22
0	0	0	224.0000	25.22
0	0	0	225.0002	25.22
0	0	0	226.0002	25.21
0	0	0	227.0001	25.21

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	228.0001	25.21
0	0	0	229.0001	25.21
0	0	0	230.0002	25.21
0	0	0	231.0000	25.20
0	0	0	232.0001	25.20
0	0	0	233.0000	25.20
0	0	0	234.0000	25.20
0	0	0	235.0000	25.20
0	0	0	236.0003	25.19
0	0	0	237.0002	25.19
0	0	0	238.0001	25.19
0	0	0	239.0000	25.19
0	0	0	240.0002	25.18
0	0	0	241.0002	25.18
0	0	0	242.0000	25.18
0	0	0	243.0002	25.18
0	0	0	244.0004	25.18
0	0	0	245.0001	25.17
0	0	0	246.0000	25.17
0	0	0	247.0001	25.17
0	0	0	248.0002	25.17
0	0	0	249.0001	25.16
0	0	0	250.0001	25.16
0	0	0	251.0001	25.16
0	0	0	252.0001	25.16
0	0	0	253.0001	25.16
0	0	0	254.0000	25.15
0	0	0	255.0001	25.15
0	0	0	256.0002	25.15
0	0	0	257.0000	25.15
0	0	0	258.0001	25.14
0	0	0	259.0000	25.14
0	0	0	260.0001	25.14
0	0	0	261.0001	25.14
0	0	0	262.0001	25.13
0	0	0	263.0000	25.13
0	0	0	264.0001	25.13
0	0	0	265.0003	25.13
0	0	0	266.0002	25.12
0	0	0	267.0000	25.12
0	0	0	268.0000	25.12
0	0	0	269.0001	25.12
0	0	0	270.0002	25.12
0	0	0	271.0001	25.11
0	0	0	272.0002	25.11
0	0	0	273.0000	25.11
0	0	0	274.0001	25.11
0	0	0	275.0000	25.10
0	0	0	276.0001	25.10

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	277.0000	25.10
0	0	0	278.0002	25.10
0	0	0	279.0001	25.10
0	0	0	280.0002	25.09
0	0	0	281.0002	25.09
0	0	0	282.0002	25.09
0	0	0	283.0003	25.09
0	0	0	284.0001	25.08
0	0	0	285.0001	25.08
0	0	0	286.0001	25.08
0	0	0	287.0000	25.08
0	0	0	288.0002	25.07
0	0	0	289.0002	25.07
0	0	0	290.0002	25.07
0	0	0	291.0000	25.07
0	0	0	292.0001	25.07
0	0	0	293.0001	25.06
0	0	0	294.0000	25.06
0	0	0	295.0002	25.06
0	0	0	296.0002	25.06
0	0	0	297.0001	25.06
0	0	0	298.0001	25.05
0	0	0	299.0001	25.05
0	0	0	300.0000	25.05
0	0	0	301.0001	25.05
0	0	0	302.0001	25.05
0	0	0	303.0001	25.04
0	0	0	304.0002	25.04
0	0	0	305.0001	25.04
0	0	0	306.0001	25.04
0	0	0	307.0000	25.04
0	0	0	308.0000	25.03
0	0	0	309.0000	25.03
0	0	0	310.0002	25.03
0	0	0	311.0000	25.03
0	0	0	312.0000	25.03

Comment:

Boundary Stage: EB TAILWATER

Boundary Stage Set: 2.33yr

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	24.84
0	0	0	0.5050	24.84
0	0	0	1.0021	24.84

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	1.5105	24.84
0	0	0	2.0001	24.84
0	0	0	2.5000	24.85
0	0	0	3.0000	24.85
0	0	0	3.5001	24.85
0	0	0	4.0000	24.85
0	0	0	4.5001	24.85
0	0	0	5.0001	24.86
0	0	0	5.5001	24.86
0	0	0	6.0008	24.86
0	0	0	6.5002	24.86
0	0	0	7.0000	24.87
0	0	0	7.5001	24.87
0	0	0	8.0000	24.87
0	0	0	8.5000	24.88
0	0	0	9.0000	24.88
0	0	0	9.5007	24.89
0	0	0	10.0000	24.89
0	0	0	10.1667	24.89
0	0	0	10.3334	24.90
0	0	0	10.5001	24.90
0	0	0	10.6669	24.91
0	0	0	10.8335	24.91
0	0	0	11.0003	24.91
0	0	0	11.1668	24.92
0	0	0	11.3335	24.93
0	0	0	11.5002	24.93
0	0	0	11.6669	24.94
0	0	0	11.8338	24.95
0	0	0	12.0004	24.97
0	0	0	12.1670	24.99
0	0	0	12.3335	25.03
0	0	0	12.5006	25.08
0	0	0	12.6667	25.15
0	0	0	12.8335	25.24
0	0	0	13.0002	25.32
0	0	0	13.1672	25.39
0	0	0	13.3334	25.43
0	0	0	13.5002	25.44
0	0	0	13.6673	25.45
0	0	0	13.8334	25.46
0	0	0	14.0002	25.46
0	0	0	14.1672	25.46
0	0	0	14.3336	25.46
0	0	0	14.5005	25.46
0	0	0	14.6673	25.46
0	0	0	14.8335	25.46
0	0	0	15.0009	25.46
0	0	0	15.5006	25.45

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	16.0004	25.43
0	0	0	16.5001	25.42
0	0	0	17.0002	25.40
0	0	0	17.5009	25.39
0	0	0	18.0008	25.37
0	0	0	18.5007	25.35
0	0	0	19.0004	25.34
0	0	0	19.5003	25.32
0	0	0	20.0003	25.32
0	0	0	20.5008	25.31
0	0	0	21.0009	25.30
0	0	0	21.5010	25.29
0	0	0	22.0011	25.29
0	0	0	22.5000	25.29
0	0	0	23.0008	25.28
0	0	0	23.5007	25.28
0	0	0	24.0003	25.27
0	0	0	24.5001	25.27
0	0	0	25.0004	25.26
0	0	0	25.5004	25.26
0	0	0	26.0003	25.25
0	0	0	26.5002	25.24
0	0	0	27.0001	25.23
0	0	0	27.5007	25.22
0	0	0	28.0009	25.21
0	0	0	28.5004	25.19
0	0	0	29.0005	25.18
0	0	0	29.5003	25.16
0	0	0	30.0002	25.15
0	0	0	30.5000	25.14
0	0	0	31.0005	25.12
0	0	0	31.5002	25.11
0	0	0	32.0006	25.09
0	0	0	32.5000	25.08
0	0	0	33.0007	25.06
0	0	0	33.5006	25.05
0	0	0	34.0002	25.03
0	0	0	34.5004	25.02
0	0	0	35.0003	25.01
0	0	0	35.5004	24.99
0	0	0	36.0001	24.98
0	0	0	36.5005	24.97
0	0	0	37.0003	24.96
0	0	0	37.5004	24.95
0	0	0	38.0003	24.94
0	0	0	38.5001	24.93
0	0	0	39.0003	24.92
0	0	0	39.5000	24.91
0	0	0	40.0003	24.90

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	40.5000	24.89
0	0	0	41.0000	24.89
0	0	0	41.5001	24.88
0	0	0	42.0002	24.87
0	0	0	42.5001	24.87
0	0	0	43.0001	24.86
0	0	0	43.5001	24.86
0	0	0	44.0001	24.86
0	0	0	44.5001	24.85
0	0	0	45.0001	24.85
0	0	0	45.5000	24.85
0	0	0	46.0001	24.85
0	0	0	46.5001	24.85
0	0	0	47.0001	24.85
0	0	0	47.5001	24.85
0	0	0	48.0001	24.85
0	0	0	48.5001	24.85
0	0	0	49.0001	24.85
0	0	0	49.5000	24.85
0	0	0	50.0001	24.85
0	0	0	50.5000	24.85
0	0	0	51.0001	24.85
0	0	0	51.5001	24.85
0	0	0	52.0000	24.85
0	0	0	52.5005	24.85
0	0	0	53.0001	24.85
0	0	0	53.5000	24.85
0	0	0	54.0001	24.85
0	0	0	54.5000	24.85
0	0	0	55.0002	24.85
0	0	0	55.5031	24.85
0	0	0	56.0012	24.85
0	0	0	56.5064	24.85
0	0	0	57.0074	24.85
0	0	0	57.5023	24.85
0	0	0	58.0004	24.85
0	0	0	58.5001	24.85
0	0	0	59.0001	24.85
0	0	0	59.5000	24.85
0	0	0	60.0001	24.85
0	0	0	60.5001	24.85
0	0	0	61.0001	24.85
0	0	0	61.5001	24.85
0	0	0	62.0010	24.85
0	0	0	62.5013	24.85
0	0	0	63.0002	24.85
0	0	0	63.5001	24.85
0	0	0	64.0002	24.85
0	0	0	64.5000	24.85

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	65.0000	24.85
0	0	0	65.5000	24.85
0	0	0	66.0002	24.85
0	0	0	66.5007	24.85
0	0	0	67.0000	24.85
0	0	0	67.5001	24.85
0	0	0	68.0000	24.85
0	0	0	68.5000	24.85
0	0	0	69.0000	24.85
0	0	0	69.5000	24.85
0	0	0	70.0000	24.85
0	0	0	70.5001	24.85
0	0	0	71.0001	24.85
0	0	0	71.5002	24.85
0	0	0	72.0001	24.85
0	0	0	73.0000	24.85
0	0	0	74.0001	24.84
0	0	0	75.0000	24.84
0	0	0	76.0001	24.84
0	0	0	77.0006	24.84
0	0	0	78.0001	24.84
0	0	0	79.0000	24.84
0	0	0	80.0016	24.84
0	0	0	81.0001	24.84
0	0	0	82.0002	24.84
0	0	0	83.0001	24.84
0	0	0	84.0012	24.84
0	0	0	85.0001	24.84
0	0	0	86.0000	24.84
0	0	0	87.0002	24.84
0	0	0	88.0001	24.84
0	0	0	89.0001	24.84
0	0	0	90.0001	24.84
0	0	0	91.0001	24.84
0	0	0	92.0008	24.84
0	0	0	93.0000	24.84
0	0	0	94.0008	24.84
0	0	0	95.0008	24.84
0	0	0	96.0029	24.84
0	0	0	97.0029	24.84
0	0	0	98.0056	24.84
0	0	0	99.0002	24.84
0	0	0	100.0002	24.84
0	0	0	101.0023	24.84
0	0	0	102.0033	24.84
0	0	0	103.0001	24.84
0	0	0	104.0003	24.84
0	0	0	105.0002	24.84
0	0	0	106.0001	24.84

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	107.0008	24.84
0	0	0	108.0003	24.84
0	0	0	109.0002	24.84
0	0	0	110.0008	24.84
0	0	0	111.0002	24.84
0	0	0	112.0001	24.84
0	0	0	113.0009	24.84
0	0	0	114.0008	24.84
0	0	0	115.0001	24.84
0	0	0	116.0001	24.84
0	0	0	117.0001	24.84
0	0	0	118.0002	24.84
0	0	0	119.0003	24.84
0	0	0	120.0002	24.84
0	0	0	121.0002	24.84
0	0	0	122.0006	24.84
0	0	0	123.0009	24.84
0	0	0	124.0001	24.84
0	0	0	125.0001	24.84
0	0	0	126.0006	24.84
0	0	0	127.0003	24.84
0	0	0	128.0000	24.84
0	0	0	129.0018	24.84
0	0	0	130.0019	24.84
0	0	0	131.0016	24.84
0	0	0	132.0001	24.84
0	0	0	133.0002	24.84
0	0	0	134.0009	24.84
0	0	0	135.0010	24.84
0	0	0	136.0002	24.84
0	0	0	137.0004	24.84
0	0	0	138.0005	24.84
0	0	0	139.0004	24.84
0	0	0	140.0003	24.84
0	0	0	141.0002	24.84
0	0	0	142.0001	24.84
0	0	0	143.0000	24.84
0	0	0	144.0007	24.84
0	0	0	145.0015	24.84
0	0	0	146.0006	24.84
0	0	0	147.0002	24.84
0	0	0	148.0001	24.84
0	0	0	149.0013	24.84
0	0	0	150.0010	24.84
0	0	0	151.0003	24.84
0	0	0	152.0002	24.84
0	0	0	153.0023	24.84
0	0	0	154.0000	24.84
0	0	0	155.0003	24.84

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	156.0001	24.84
0	0	0	157.0011	24.84
0	0	0	158.0001	24.84
0	0	0	159.0005	24.84
0	0	0	160.0003	24.84
0	0	0	161.0007	24.84
0	0	0	162.0001	24.84
0	0	0	163.0014	24.84
0	0	0	164.0005	24.84
0	0	0	165.0006	24.84
0	0	0	166.0005	24.84
0	0	0	167.0005	24.84
0	0	0	168.0014	24.84
0	0	0	169.0001	24.84
0	0	0	170.0012	24.84
0	0	0	171.0003	24.84
0	0	0	172.0020	24.84
0	0	0	173.0007	24.84
0	0	0	174.0020	24.84
0	0	0	175.0001	24.84
0	0	0	176.0062	24.84
0	0	0	177.0012	24.84
0	0	0	178.0077	24.84
0	0	0	179.0031	24.84
0	0	0	180.0015	24.84
0	0	0	181.0039	24.84
0	0	0	182.0062	24.84
0	0	0	183.0011	24.84
0	0	0	184.0053	24.84
0	0	0	185.0033	24.84
0	0	0	186.0111	24.84
0	0	0	187.0046	24.84
0	0	0	188.0072	24.84
0	0	0	189.0002	24.84
0	0	0	190.0011	24.84
0	0	0	191.0048	24.84
0	0	0	192.0072	24.84
0	0	0	193.0043	24.84
0	0	0	194.0089	24.84
0	0	0	195.0008	24.84
0	0	0	196.0014	24.84
0	0	0	197.0033	24.84
0	0	0	198.0016	24.84
0	0	0	199.0017	24.84
0	0	0	200.0060	24.84
0	0	0	201.0056	24.84
0	0	0	202.0078	24.84
0	0	0	203.0003	24.84
0	0	0	204.0078	24.84

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	205.0024	24.84
0	0	0	206.0029	24.84
0	0	0	207.0030	24.84
0	0	0	208.0042	24.84
0	0	0	209.0018	24.84
0	0	0	210.0079	24.84
0	0	0	211.0054	24.84
0	0	0	212.0007	24.84
0	0	0	213.0012	24.84
0	0	0	214.0035	24.84
0	0	0	215.0027	24.84
0	0	0	216.0015	24.84
0	0	0	217.0019	24.84
0	0	0	218.0006	24.84
0	0	0	219.0024	24.84
0	0	0	220.0047	24.84
0	0	0	221.0004	24.84
0	0	0	222.0088	24.84
0	0	0	223.0026	24.84
0	0	0	224.0051	24.84
0	0	0	225.0006	24.84
0	0	0	226.0010	24.84
0	0	0	227.0066	24.84
0	0	0	228.0017	24.84
0	0	0	229.0087	24.84
0	0	0	230.0018	24.84
0	0	0	231.0076	24.84
0	0	0	232.0011	24.84
0	0	0	233.0000	24.84
0	0	0	234.0061	24.84
0	0	0	235.0024	24.84
0	0	0	236.0053	24.84
0	0	0	237.0003	24.84
0	0	0	238.0031	24.84
0	0	0	239.0031	24.84
0	0	0	240.0000	24.84
0	0	0	241.0016	24.84
0	0	0	242.0018	24.84
0	0	0	243.0050	24.84
0	0	0	244.0007	24.84
0	0	0	245.0033	24.84
0	0	0	246.0105	24.84
0	0	0	247.0005	24.84
0	0	0	248.0031	24.84
0	0	0	249.0016	24.84
0	0	0	250.0078	24.84
0	0	0	251.0027	24.84
0	0	0	252.0032	24.84
0	0	0	253.0010	24.84

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	254.0013	24.84
0	0	0	255.0113	24.84
0	0	0	256.0050	24.84
0	0	0	257.0048	24.84
0	0	0	258.0021	24.84
0	0	0	259.0001	24.84
0	0	0	260.0034	24.84
0	0	0	261.0017	24.84
0	0	0	262.0045	24.84
0	0	0	263.0040	24.84
0	0	0	264.0001	24.84
0	0	0	265.0040	24.84
0	0	0	266.0034	24.84
0	0	0	267.0017	24.84
0	0	0	268.0002	24.84
0	0	0	269.0045	24.84
0	0	0	270.0031	24.84
0	0	0	271.0059	24.84
0	0	0	272.0016	24.84
0	0	0	273.0006	24.84
0	0	0	274.0059	24.84
0	0	0	275.0070	24.84
0	0	0	276.0012	24.84
0	0	0	277.0012	24.84
0	0	0	278.0027	24.84
0	0	0	279.0031	24.84
0	0	0	280.0026	24.84
0	0	0	281.0054	24.84
0	0	0	282.0008	24.84
0	0	0	283.0018	24.84
0	0	0	284.0146	24.84
0	0	0	285.0021	24.84
0	0	0	286.0063	24.84
0	0	0	287.0039	24.84
0	0	0	288.0121	24.84
0	0	0	289.0025	24.84
0	0	0	290.0068	24.84
0	0	0	291.0050	24.84
0	0	0	292.0019	24.84
0	0	0	293.0010	24.84
0	0	0	294.0088	24.84
0	0	0	295.0000	24.84
0	0	0	296.0119	24.84
0	0	0	297.0019	24.84
0	0	0	298.0037	24.84
0	0	0	299.0084	24.84
0	0	0	300.0090	24.84
0	0	0	301.0017	24.84
0	0	0	302.0018	24.84

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	303.0039	24.84
0	0	0	304.0028	24.84
0	0	0	305.0081	24.84
0	0	0	306.0049	24.84
0	0	0	307.0008	24.84
0	0	0	308.0029	24.84
0	0	0	309.0032	24.84
0	0	0	310.0107	24.84
0	0	0	311.0060	24.84
0	0	0	312.0027	24.84

Comment:

Boundary Stage: TC TAILWATER

Boundary Stage Set: 2.33yr

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	25.00
0	0	0	0.5004	25.00
0	0	0	1.0010	25.00
0	0	0	1.5002	25.00
0	0	0	2.0003	25.00
0	0	0	2.5007	25.00
0	0	0	3.0007	25.00
0	0	0	3.5004	25.00
0	0	0	4.0000	25.00
0	0	0	4.5004	25.00
0	0	0	5.0004	25.00
0	0	0	5.5002	25.01
0	0	0	6.0001	25.01
0	0	0	6.5000	25.01
0	0	0	7.0002	25.01
0	0	0	7.5001	25.01
0	0	0	8.0000	25.02
0	0	0	8.5000	25.02
0	0	0	9.0000	25.02
0	0	0	9.5007	25.03
0	0	0	10.0001	25.03
0	0	0	10.1669	25.04
0	0	0	10.3333	25.04
0	0	0	10.5000	25.04
0	0	0	10.6671	25.05
0	0	0	10.8334	25.05
0	0	0	11.0001	25.05
0	0	0	11.1668	25.06
0	0	0	11.3334	25.06

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	11.5000	25.06
0	0	0	11.6668	25.07
0	0	0	11.8335	25.08
0	0	0	12.0000	25.09
0	0	0	12.1668	25.11
0	0	0	12.3334	25.13
0	0	0	12.5001	25.15
0	0	0	12.6669	25.17
0	0	0	12.8334	25.19
0	0	0	13.0000	25.21
0	0	0	13.1668	25.22
0	0	0	13.3335	25.24
0	0	0	13.5000	25.25
0	0	0	13.6667	25.26
0	0	0	13.8335	25.27
0	0	0	14.0002	25.28
0	0	0	14.1667	25.28
0	0	0	14.3334	25.29
0	0	0	14.5001	25.30
0	0	0	14.6669	25.30
0	0	0	14.8335	25.31
0	0	0	15.0002	25.32
0	0	0	15.5001	25.33
0	0	0	16.0000	25.34
0	0	0	16.5001	25.35
0	0	0	17.0000	25.36
0	0	0	17.5001	25.36
0	0	0	18.0001	25.37
0	0	0	18.5002	25.38
0	0	0	19.0001	25.38
0	0	0	19.5002	25.39
0	0	0	20.0000	25.40
0	0	0	20.5002	25.40
0	0	0	21.0001	25.41
0	0	0	21.5001	25.41
0	0	0	22.0000	25.42
0	0	0	22.5000	25.42
0	0	0	23.0001	25.43
0	0	0	23.5001	25.43
0	0	0	24.0001	25.43
0	0	0	24.5000	25.44
0	0	0	25.0002	25.44
0	0	0	25.5001	25.44
0	0	0	26.0001	25.44
0	0	0	26.5001	25.44
0	0	0	27.0000	25.44
0	0	0	27.5000	25.44
0	0	0	28.0001	25.44
0	0	0	28.5000	25.44

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	29.0000	25.44
0	0	0	29.5000	25.44
0	0	0	30.0000	25.44
0	0	0	30.5000	25.44
0	0	0	31.0000	25.44
0	0	0	31.5000	25.44
0	0	0	32.0001	25.44
0	0	0	32.5001	25.44
0	0	0	33.0001	25.44
0	0	0	33.5000	25.43
0	0	0	34.0000	25.43
0	0	0	34.5000	25.43
0	0	0	35.0000	25.43
0	0	0	35.5001	25.43
0	0	0	36.0001	25.43
0	0	0	36.5000	25.43
0	0	0	37.0000	25.43
0	0	0	37.5000	25.42
0	0	0	38.0000	25.42
0	0	0	38.5000	25.42
0	0	0	39.0000	25.42
0	0	0	39.5001	25.42
0	0	0	40.0000	25.42
0	0	0	40.5000	25.42
0	0	0	41.0000	25.42
0	0	0	41.5000	25.41
0	0	0	42.0000	25.41
0	0	0	42.5000	25.41
0	0	0	43.0000	25.41
0	0	0	43.5000	25.41
0	0	0	44.0000	25.41
0	0	0	44.5000	25.40
0	0	0	45.0000	25.40
0	0	0	45.5001	25.40
0	0	0	46.0001	25.40
0	0	0	46.5000	25.40
0	0	0	47.0000	25.40
0	0	0	47.5000	25.40
0	0	0	48.0001	25.39
0	0	0	48.5001	25.39
0	0	0	49.0000	25.39
0	0	0	49.5000	25.39
0	0	0	50.0000	25.39
0	0	0	50.5001	25.39
0	0	0	51.0001	25.38
0	0	0	51.5001	25.38
0	0	0	52.0001	25.38
0	0	0	52.5000	25.38
0	0	0	53.0001	25.38

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	53.5001	25.38
0	0	0	54.0001	25.38
0	0	0	54.5001	25.37
0	0	0	55.0000	25.37
0	0	0	55.5000	25.37
0	0	0	56.0000	25.37
0	0	0	56.5001	25.37
0	0	0	57.0000	25.37
0	0	0	57.5001	25.37
0	0	0	58.0001	25.36
0	0	0	58.5001	25.36
0	0	0	59.0001	25.36
0	0	0	59.5001	25.36
0	0	0	60.0000	25.37
0	0	0	60.5000	25.38
0	0	0	61.0000	25.38
0	0	0	61.5000	25.38
0	0	0	62.0000	25.38
0	0	0	62.5000	25.38
0	0	0	63.0000	25.38
0	0	0	63.5000	25.38
0	0	0	64.0001	25.38
0	0	0	64.5000	25.37
0	0	0	65.0000	25.37
0	0	0	65.5000	25.37
0	0	0	66.0001	25.37
0	0	0	66.5000	25.36
0	0	0	67.0000	25.36
0	0	0	67.5000	25.36
0	0	0	68.0002	25.36
0	0	0	68.5001	25.36
0	0	0	69.0000	25.35
0	0	0	69.5000	25.35
0	0	0	70.0000	25.35
0	0	0	70.5001	25.35
0	0	0	71.0000	25.35
0	0	0	71.5001	25.35
0	0	0	72.0001	25.34
0	0	0	73.0001	25.34
0	0	0	74.0000	25.34
0	0	0	75.0000	25.34
0	0	0	76.0000	25.33
0	0	0	77.0001	25.33
0	0	0	78.0000	25.33
0	0	0	79.0002	25.33
0	0	0	80.0001	25.33
0	0	0	81.0001	25.33
0	0	0	82.0001	25.32
0	0	0	83.0001	25.32

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	84.0000	25.32
0	0	0	85.0001	25.32
0	0	0	86.0002	25.32
0	0	0	87.0001	25.32
0	0	0	88.0000	25.32
0	0	0	89.0000	25.32
0	0	0	90.0000	25.32
0	0	0	91.0000	25.32
0	0	0	92.0000	25.32
0	0	0	93.0001	25.32
0	0	0	94.0000	25.31
0	0	0	95.0001	25.31
0	0	0	96.0001	25.31
0	0	0	97.0000	25.31
0	0	0	98.0000	25.31
0	0	0	99.0001	25.31
0	0	0	100.0001	25.31
0	0	0	101.0000	25.31
0	0	0	102.0001	25.31
0	0	0	103.0001	25.31
0	0	0	104.0001	25.31
0	0	0	105.0000	25.31
0	0	0	106.0001	25.31
0	0	0	107.0001	25.31
0	0	0	108.0001	25.31
0	0	0	109.0001	25.31
0	0	0	110.0001	25.31
0	0	0	111.0001	25.31
0	0	0	112.0001	25.31
0	0	0	113.0001	25.31
0	0	0	114.0000	25.30
0	0	0	115.0001	25.30
0	0	0	116.0000	25.30
0	0	0	117.0001	25.30
0	0	0	118.0002	25.30
0	0	0	119.0000	25.30
0	0	0	120.0001	25.30
0	0	0	121.0001	25.30
0	0	0	122.0001	25.30
0	0	0	123.0000	25.30
0	0	0	124.0001	25.30
0	0	0	125.0002	25.30
0	0	0	126.0001	25.30
0	0	0	127.0000	25.30
0	0	0	128.0001	25.30
0	0	0	129.0003	25.30
0	0	0	130.0001	25.30
0	0	0	131.0001	25.30
0	0	0	132.0000	25.29

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	133.0000	25.29
0	0	0	134.0003	25.29
0	0	0	135.0002	25.29
0	0	0	136.0000	25.29
0	0	0	137.0001	25.29
0	0	0	138.0001	25.29
0	0	0	139.0001	25.29
0	0	0	140.0003	25.29
0	0	0	141.0001	25.29
0	0	0	142.0001	25.29
0	0	0	143.0004	25.29
0	0	0	144.0001	25.29
0	0	0	145.0001	25.29
0	0	0	146.0001	25.29
0	0	0	147.0001	25.28
0	0	0	148.0003	25.28
0	0	0	149.0000	25.28
0	0	0	150.0001	25.28
0	0	0	151.0000	25.28
0	0	0	152.0002	25.28
0	0	0	153.0004	25.28
0	0	0	154.0000	25.28
0	0	0	155.0001	25.28
0	0	0	156.0001	25.28
0	0	0	157.0002	25.28
0	0	0	158.0000	25.28
0	0	0	159.0001	25.27
0	0	0	160.0002	25.27
0	0	0	161.0003	25.27
0	0	0	162.0000	25.27
0	0	0	163.0002	25.27
0	0	0	164.0002	25.27
0	0	0	165.0003	25.27
0	0	0	166.0000	25.27
0	0	0	167.0001	25.27
0	0	0	168.0002	25.27
0	0	0	169.0001	25.27
0	0	0	170.0003	25.26
0	0	0	171.0002	25.26
0	0	0	172.0002	25.26
0	0	0	173.0001	25.26
0	0	0	174.0000	25.26
0	0	0	175.0003	25.26
0	0	0	176.0003	25.26
0	0	0	177.0000	25.26
0	0	0	178.0000	25.26
0	0	0	179.0001	25.26
0	0	0	180.0000	25.25
0	0	0	181.0001	25.25

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	182.0001	25.25
0	0	0	183.0003	25.25
0	0	0	184.0000	25.25
0	0	0	185.0002	25.25
0	0	0	186.0001	25.25
0	0	0	187.0000	25.25
0	0	0	188.0000	25.25
0	0	0	189.0002	25.24
0	0	0	190.0000	25.24
0	0	0	191.0002	25.24
0	0	0	192.0002	25.24
0	0	0	193.0001	25.24
0	0	0	194.0002	25.24
0	0	0	195.0002	25.24
0	0	0	196.0000	25.24
0	0	0	197.0003	25.24
0	0	0	198.0002	25.23
0	0	0	199.0002	25.23
0	0	0	200.0001	25.23
0	0	0	201.0000	25.23
0	0	0	202.0002	25.23
0	0	0	203.0001	25.23
0	0	0	204.0005	25.23
0	0	0	205.0001	25.22
0	0	0	206.0001	25.22
0	0	0	207.0000	25.22
0	0	0	208.0002	25.22
0	0	0	209.0001	25.22
0	0	0	210.0000	25.22
0	0	0	211.0003	25.22
0	0	0	212.0001	25.22
0	0	0	213.0003	25.21
0	0	0	214.0001	25.21
0	0	0	215.0003	25.21
0	0	0	216.0001	25.21
0	0	0	217.0000	25.21
0	0	0	218.0001	25.21
0	0	0	219.0000	25.20
0	0	0	220.0002	25.20
0	0	0	221.0001	25.20
0	0	0	222.0001	25.20
0	0	0	223.0002	25.20
0	0	0	224.0000	25.20
0	0	0	225.0002	25.20
0	0	0	226.0002	25.19
0	0	0	227.0001	25.19
0	0	0	228.0001	25.19
0	0	0	229.0001	25.19
0	0	0	230.0002	25.19

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	231.0000	25.19
0	0	0	232.0001	25.18
0	0	0	233.0000	25.18
0	0	0	234.0000	25.18
0	0	0	235.0000	25.18
0	0	0	236.0003	25.18
0	0	0	237.0002	25.17
0	0	0	238.0001	25.17
0	0	0	239.0000	25.17
0	0	0	240.0002	25.17
0	0	0	241.0002	25.17
0	0	0	242.0000	25.17
0	0	0	243.0002	25.16
0	0	0	244.0004	25.16
0	0	0	245.0001	25.16
0	0	0	246.0000	25.16
0	0	0	247.0001	25.16
0	0	0	248.0002	25.15
0	0	0	249.0001	25.15
0	0	0	250.0001	25.15
0	0	0	251.0001	25.15
0	0	0	252.0001	25.15
0	0	0	253.0001	25.14
0	0	0	254.0000	25.14
0	0	0	255.0001	25.14
0	0	0	256.0002	25.14
0	0	0	257.0000	25.13
0	0	0	258.0001	25.13
0	0	0	259.0000	25.13
0	0	0	260.0001	25.13
0	0	0	261.0001	25.13
0	0	0	262.0001	25.12
0	0	0	263.0000	25.12
0	0	0	264.0001	25.12
0	0	0	265.0003	25.12
0	0	0	266.0002	25.12
0	0	0	267.0000	25.11
0	0	0	268.0000	25.11
0	0	0	269.0001	25.11
0	0	0	270.0002	25.11
0	0	0	271.0001	25.11
0	0	0	272.0002	25.10
0	0	0	273.0000	25.10
0	0	0	274.0001	25.10
0	0	0	275.0000	25.10
0	0	0	276.0001	25.10
0	0	0	277.0000	25.09
0	0	0	278.0002	25.09
0	0	0	279.0001	25.09

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	280.0002	25.09
0	0	0	281.0002	25.09
0	0	0	282.0002	25.08
0	0	0	283.0003	25.08
0	0	0	284.0001	25.08
0	0	0	285.0001	25.08
0	0	0	286.0001	25.08
0	0	0	287.0000	25.07
0	0	0	288.0002	25.07
0	0	0	289.0002	25.07
0	0	0	290.0002	25.07
0	0	0	291.0000	25.07
0	0	0	292.0001	25.06
0	0	0	293.0001	25.06
0	0	0	294.0000	25.06
0	0	0	295.0002	25.06
0	0	0	296.0002	25.06
0	0	0	297.0001	25.05
0	0	0	298.0001	25.05
0	0	0	299.0001	25.05
0	0	0	300.0000	25.05
0	0	0	301.0001	25.05
0	0	0	302.0001	25.05
0	0	0	303.0001	25.04
0	0	0	304.0002	25.04
0	0	0	305.0001	25.04
0	0	0	306.0001	25.04
0	0	0	307.0000	25.04
0	0	0	308.0000	25.04
0	0	0	309.0000	25.03
0	0	0	310.0002	25.03
0	0	0	311.0000	25.03
0	0	0	312.0000	25.03

Comment:

Boundary Stage: Airport Basin 11

Boundary Stage Set: 25yr

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	25.00
0	0	0	30.0000	25.05
0	0	0	40.0000	25.18
0	0	0	60.0000	25.60
0	0	0	64.0000	26.00
0	0	0	80.0000	26.06

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	100.0000	26.00
0	0	0	240.0000	25.53
0	0	0	360.0000	25.33
0	0	0	999.0000	25.00

Comment:

Boundary Stage: EB TAILWATER

Boundary Stage Set: 25yr

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	24.84
0	0	0	30.0000	24.94
0	0	0	60.0000	25.34
0	0	0	73.0000	25.92
0	0	0	240.0000	25.36
0	0	0	360.0000	24.96
0	0	0	9999.0000	24.84

Comment:

Boundary Stage: TC TAILWATER

Boundary Stage Set: 25yr

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	25.00
0	0	0	30.0000	25.10
0	0	0	60.0000	25.50
0	0	0	73.3800	26.08
0	0	0	240.0000	25.52
0	0	0	360.0000	25.14
0	0	0	999.0000	25.00

Comment:

Boundary Stage: Airport Basin 11

Boundary Stage Set: 5yr

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	25.00
0	0	0	30.0000	25.05

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	40.0000	25.18
0	0	0	60.0000	25.60
0	0	0	64.0000	26.00
0	0	0	80.0000	26.06
0	0	0	100.0000	26.00
0	0	0	240.0000	25.53
0	0	0	360.0000	25.33
0	0	0	999.0000	25.00

Comment:

Boundary Stage: EB TAILWATER

Boundary Stage Set: 5yr

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	24.84
0	0	0	19.6000	24.94
0	0	0	336.0000	24.84

Comment:

Boundary Stage: TC TAILWATER

Boundary Stage Set: 5yr

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	25.00
0	0	0	30.0000	25.10
0	0	0	60.0000	25.50
0	0	0	73.3800	26.08
0	0	0	240.0000	25.52
0	0	0	360.0000	25.14
0	0	0	999.0000	25.00

Comment:

Simulation: 100Y3D

Scenario: Icpr3
Run Date/Time: 8/18/2022 3:34:08 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

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

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	30.0000
0	0	0	48.0000	15.0000
0	0	0	55.0000	10.0000
0	0	0	61.0000	10.0000
0	0	0	72.0000	60.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	30.0000
0	0	0	48.0000	15.0000
0	0	0	55.0000	10.0000
0	0	0	61.0000	15.0000
0	0	0	72.0000	60.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set: 25yr
Extern Hydrograph Set:
Curve Number Set: ICPR3
Green-Ampt Set: ICPR3
Vertical Layers Set:
Impervious Set: ICPR3
Roughness Set:

Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Region Specification
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Sfwmd72
		Rainfall Amount:	13.90 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y1D

Scenario:	Icpr3
Run Date/Time:	8/18/2022 4:34:02 PM
Program Version:	ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	312.0000

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

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	10.0000	5.0000
0	0	0	15.0000	5.0000
0	0	0	72.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	30.0000
0	0	0	10.0000	10.0000
0	0	0	15.0000	10.0000
0	0	0	72.0000	60.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set: 10yr
Extern Hydrograph Set:
Curve Number Set: ICPR3
Green-Ampt Set: ICPR3
Vertical Layers Set:
Impervious Set: ICPR3
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Region Specification
Rainfall Name: Flmod
Rainfall Amount: 6.50 in
Storm Duration: 24.0000 hr

Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 2.33Y1D

Scenario: Icpr3
Run Date/Time: 8/18/2022 3:11:28 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	312.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.0001	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	10.0000	5.0000
0	0	0	15.0000	5.0000
0	0	0	24.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	30.0000
0	0	0	10.0000	10.0000
0	0	0	15.0000	5.0000
0	0	0	9999.0000	30.0000

Groundwater

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

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set: 2.33yr
Extern Hydrograph Set:
Curve Number Set: ICPR3
Green-Ampt Set: ICPR3
Vertical Layers Set:
Impervious Set: ICPR3
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Region Specification
Rainfall Name: Flmod
Rainfall Amount: 4.50 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 25Y3D

Scenario: Icpr3
Run Date/Time: 8/18/2022 5:00:27 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.0001	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	48.0000	5.0000
0	0	0	55.0000	5.0000
0	0	0	61.0000	5.0000
0	0	0	72.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	30.0000
0	0	0	48.0000	15.0000
0	0	0	55.0000	10.0000
0	0	0	61.0000	15.0000
0	0	0	72.0000	60.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set: 25yr
Extern Hydrograph Set:
Curve Number Set: ICPR3
Green-Ampt Set: ICPR3
Vertical Layers Set:

Impervious Set:	ICPR3
Roughness Set:	
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Region Specification
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Sfwmd72
		Rainfall Amount:	10.60 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 5Y1D

Scenario:	Icpr3
Run Date/Time:	8/15/2022 11:58:32 PM
Program Version:	ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	312.0000

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

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	10.0000	5.0000
0	0	0	15.0000	5.0000
0	0	0	72.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	30.0000
0	0	0	10.0000	10.0000
0	0	0	15.0000	10.0000
0	0	0	72.0000	60.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set: 5yr
Extern Hydrograph Set:
Curve Number Set: ICPR3
Green-Ampt Set: ICPR3
Vertical Layers Set:
Impervious Set: ICPR3
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

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

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Region Specification
Rainfall Name: Flmod

		Rainfall Amount:	5.50 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

APPENDIX D- EXISTING CONDITIONS NODE MAX

Node Max Conditions [Icpr3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AirportBasin11	100Y3D	0.00	26.06	0.0000	706.23	0.00	0
BASIN 15	100Y3D	0.00	25.92	0.0001	220.77	218.39	496996
DS EAST	100Y3D	0.00	25.92	0.0001	892.92	889.39	5067785
DS NORTH	100Y3D	0.00	25.92	0.0001	520.03	481.38	5106131
DS WEST	100Y3D	0.00	25.92	0.0001	425.84	366.01	4628096
DUMMY 1	100Y3D	0.00	25.92	0.0027	43.91	17.81	2563
DUMMY 2	100Y3D	0.00	25.92	-0.0013	31.30	33.34	2670
Daniels Road	100Y3D	0.00	9999.00	0.0000	0.98	75.03	0
EB OUTFALL DUMMY	100Y3D	0.00	25.92	-0.0040	44.64	44.99	177
EB TAILWATER	100Y3D	0.00	25.92	0.0000	1198.93	262.35	0
Swale N2	100Y3D	0.00	26.15	0.0002	24.24	24.19	27767
Swale N3	100Y3D	0.00	26.13	0.0002	29.85	29.45	32484
Swale N4	100Y3D	0.00	26.08	-0.0002	43.73	43.53	19998
TC COMMERCIAL	100Y3D	0.00	26.20	0.0002	265.82	22.66	1597409
TC TAILWATER	100Y3D	0.00	26.08	0.0000	65.30	20.86	0
WETLAND 1	100Y3D	0.00	26.26	0.0002	2677.86	61.39	17401240
WETLAND 2	100Y3D	0.00	25.92	0.0001	373.45	364.82	1846080
WETLAND 3	100Y3D	0.00	25.92	0.0001	391.11	200.34	3642221
WETLAND 4	100Y3D	0.00	25.92	0.0001	275.08	210.97	1962536
WETLAND 5	100Y3D	0.00	25.92	0.0001	286.26	271.28	1261027
WETLAND 6	100Y3D	0.00	25.92	0.0001	150.68	150.87	373514
WETLAND 7	100Y3D	0.00	25.92	0.0001	1194.81	1190.20	3735906
AirportBasin11	10Y1D	0.00	25.66	0.0002	453.68	4.25	0
BASIN 15	10Y1D	0.00	25.79	0.0002	150.15	147.03	488952
DS EAST	10Y1D	0.00	25.77	0.0001	498.96	488.00	3840480
DS NORTH	10Y1D	0.00	25.80	0.0001	331.74	285.50	3662695
DS WEST	10Y1D	0.00	25.78	0.0002	322.49	203.69	4373583
DUMMY 1	10Y1D	0.00	25.75	0.0010	11.29	5.89	2413
DUMMY 2	10Y1D	0.00	25.74	0.0010	5.89	4.53	2520
Daniels Road	10Y1D	0.00	9999.00	0.0000	0.98	75.03	0
EB OUTFALL DUMMY	10Y1D	0.00	25.74	0.0038	49.07	49.32	178
EB TAILWATER	10Y1D	0.00	25.74	0.0004	680.35	666.66	0
Swale N2	10Y1D	0.00	25.81	0.0003	17.37	16.94	25088
Swale N3	10Y1D	0.00	25.75	0.0003	20.75	19.87	28977
Swale N4	10Y1D	0.00	25.64	0.0010	24.00	23.50	17587
TC COMMERCIAL	10Y1D	0.00	25.85	0.0003	156.65	13.26	1420998
TC	10Y1D	0.00	25.63	0.0002	40.50	0.24	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
TAILWATER							
WETLAND 1	10Y1D	0.00	25.89	0.0003	1661.44	65.79	16289935
WETLAND 2	10Y1D	0.00	25.78	0.0001	228.30	225.08	1742645
WETLAND 3	10Y1D	0.00	25.78	0.0002	293.51	206.75	3624481
WETLAND 4	10Y1D	0.00	25.77	0.0001	213.53	114.14	1959397
WETLAND 5	10Y1D	0.00	25.77	0.0001	227.13	144.23	1255833
WETLAND 6	10Y1D	0.00	25.77	0.0001	84.65	82.07	372431
WETLAND 7	10Y1D	0.00	25.74	0.0001	810.54	675.57	3684794
AirportBasin11	2.33Y1D	0.00	25.48	0.0001	320.78	0.00	0
BASIN 15	2.33Y1D	0.00	25.66	0.0000	113.77	113.73	472938
DS EAST	2.33Y1D	0.00	25.55	0.0001	400.70	368.50	2419122
DS NORTH	2.33Y1D	0.00	25.68	0.0000	229.43	226.32	2390489
DS WEST	2.33Y1D	0.00	25.56	0.0000	211.35	209.07	3383715
DUMMY 1	2.33Y1D	0.00	25.52	0.0010	11.29	5.89	2212
DUMMY 2	2.33Y1D	0.00	25.51	0.0010	5.89	4.07	2318
Daniels Road	2.33Y1D	0.00	9999.00	0.0000	0.98	75.02	0
EB OUTFALL DUMMY	2.33Y1D	0.00	25.48	0.0010	43.63	44.01	178
EB TAILWATER	2.33Y1D	0.00	25.46	0.0004	502.71	5.30	0
Swale N2	2.33Y1D	0.00	25.66	0.0001	14.87	14.56	23989
Swale N3	2.33Y1D	0.00	25.58	0.0001	17.97	17.36	27490
Swale N4	2.33Y1D	0.00	25.45	0.0001	21.57	21.10	16570
TC COMMERCIAL	2.33Y1D	0.00	25.71	0.0002	109.67	10.80	1312336
TC TAILWATER	2.33Y1D	0.00	25.44	0.0001	38.00	0.24	0
WETLAND 1	2.33Y1D	0.00	25.75	0.0002	1150.14	64.75	15436511
WETLAND 2	2.33Y1D	0.00	25.65	0.0000	168.51	168.38	1578297
WETLAND 3	2.33Y1D	0.00	25.56	0.0000	173.67	169.48	3564013
WETLAND 4	2.33Y1D	0.00	25.55	0.0001	181.54	121.87	1948963
WETLAND 5	2.33Y1D	0.00	25.56	0.0001	228.42	167.03	1242879
WETLAND 6	2.33Y1D	0.00	25.55	0.0005	189.14	105.02	370030
WETLAND 7	2.33Y1D	0.00	25.52	0.0003	545.54	498.03	3611120
AirportBasin11	25Y3D	0.00	26.06	0.0000	540.68	0.00	0
BASIN 15	25Y3D	0.00	25.92	0.0000	182.31	180.07	496953
DS EAST	25Y3D	0.00	25.92	0.0001	681.20	678.89	5062977
DS NORTH	25Y3D	0.00	25.92	0.0000	396.54	371.64	5090950
DS WEST	25Y3D	0.00	25.92	0.0001	337.38	282.19	4626956
DUMMY 1	25Y3D	0.00	25.92	0.0010	11.29	7.22	2562
DUMMY 2	25Y3D	0.00	25.92	0.0010	7.22	7.27	2669
Daniels Road	25Y3D	0.00	9999.00	0.0000	0.98	75.03	0
EB OUTFALL DUMMY	25Y3D	0.00	25.92	0.0010	40.01	40.35	177
EB	25Y3D	0.00	25.92	0.0000	921.06	281.41	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
TAILWATER							
Swale N2	25Y3D	0.00	26.08	0.0002	19.20	19.16	27219
Swale N3	25Y3D	0.00	26.08	0.0002	24.79	24.43	32068
Swale N4	25Y3D	0.00	26.08	-0.0002	38.71	38.51	19915
TC COMMERCIAL	25Y3D	0.00	26.08	0.0002	206.72	19.27	1561805
TC TAILWATER	25Y3D	0.00	26.08	0.0000	59.89	1.44	0
WETLAND 1	25Y3D	0.00	26.10	0.0002	2047.12	50.67	17019844
WETLAND 2	25Y3D	0.00	25.92	0.0000	289.02	281.46	1845513
WETLAND 3	25Y3D	0.00	25.92	0.0001	299.50	158.63	3642134
WETLAND 4	25Y3D	0.00	25.92	0.0001	213.53	155.25	1962522
WETLAND 5	25Y3D	0.00	25.92	0.0001	225.03	212.62	1261006
WETLAND 6	25Y3D	0.00	25.92	0.0001	114.08	114.20	373511
WETLAND 7	25Y3D	0.00	25.92	0.0001	918.18	913.58	3735893

APPENDIX E- EXISTING CONDITIONS LINK MAX

Link Min/Max Conditions [Icpr3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
B15 TO DS WEST	100Y3D	149.19	-7.93	0.09	1.13	1.13	1.13
B15 TO WETLAND 2	100Y3D	70.87	-7.77	0.07	0.53	0.53	0.53
CH-DMY1-DMY2	100Y3D	17.81	-33.34	-16.68	-1.58	-4.87	-3.23
CH-SW1-SW2	100Y3D	20.34	-2.58	-0.15	0.53	0.55	0.54
CH-SWN2-SWN3	100Y3D	24.19	-0.41	0.20	0.66	0.71	0.68
CH-SWN3-SWN4	100Y3D	29.45	-0.04	-2.39	0.87	1.13	1.00
CH-SWN4-TC OUTFALL	100Y3D	43.53	-20.86	-10.97	1.68	1.75	1.71
CS1-DRD-N3	100Y3D	7.47	-0.10	0.01	0.00	0.00	0.00
CS1-DRD-N4	100Y3D	13.07	-0.17	0.01	0.00	0.00	0.00
CS1-DRD-TC COM	100Y3D	6.80	-0.09	0.01	0.00	0.00	0.00
CS1-DRD-TC OUTFALL	100Y3D	3.26	-0.04	0.00	0.00	0.00	0.00
CS1-DS1-DRD	100Y3D	9.89	-0.13	0.01	0.00	0.00	0.00
CS2-DRD-TC COM	100Y3D	6.80	-0.09	0.01	0.00	0.00	0.00
CS2-DRD-TC OUTFALL	100Y3D	5.05	-0.07	0.00	0.00	0.00	0.00
CS2-DS1-DRD	100Y3D	8.33	-0.11	0.01	0.00	0.00	0.00
CS3-DRD-TC COM	100Y3D	4.48	-0.06	0.00	0.00	0.00	0.00
CS3-DRD-TC OUTFALL	100Y3D	9.89	-0.13	0.01	0.00	0.00	0.00
DS EAST TO WETLAND 5	100Y3D	15.78	-73.72	0.08	-0.41	-0.41	-0.41
DS NORTH TO B15	100Y3D	205.73	-10.38	0.08	1.16	1.16	1.16
DS-DMY2-EBTW - Pipe	100Y3D	9.32	-14.10	-14.10	0.00	0.00	0.00
DS-DMY2-EBTW - Weir: 1	100Y3D	9.37	-14.20	-14.20	-0.19	-0.19	-0.19
DS-WETLAND 1-SWALE N2 - Pipe	100Y3D	4.50	0.00	-0.07	0.00	0.00	0.00
DS-WETLAND 1-SWALE N2 - Weir: 1	100Y3D	4.50	0.00	-0.11	0.00	0.00	0.00
DS-WETLAND 1-SWALE N3 - Pipe	100Y3D	3.68	0.00	0.04	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DS-WETLAND 1-SWALE N3 - Weir: 1	100Y3D	3.68	0.00	0.07	0.00	0.00	0.00
DS-WETLAND 1-SWALE N4 - Pipe	100Y3D	4.25	0.00	-0.11	0.00	0.00	0.00
DS-WETLAND 1-SWALE N4 - Weir: 1	100Y3D	4.25	0.00	-0.23	0.00	0.00	0.00
DS-WETLAND 1-TC COMMERCIAL - Pipe	100Y3D	4.41	-1.74	0.05	0.00	0.00	0.00
DS-WETLAND 1-TC COMMERCIAL - Weir: 1	100Y3D	4.41	-1.74	0.06	0.00	0.00	0.00
DS1-WETLAND 1- TIMBER CREEK OUTFALL - Pipe	100Y3D	4.79	0.00	0.21	0.00	0.00	0.00
DS1-WETLAND 1- TIMBER CREEK OUTFALL - Weir: 1	100Y3D	4.79	0.00	0.28	0.00	0.00	0.00
DS1-WETLAND 1-AIRPORT BASIN 11 - Pipe	100Y3D	11.34	0.00	0.08	0.00	0.00	0.00
DS1-WETLAND 1-AIRPORT BASIN 11 - Weir: 1	100Y3D	11.34	0.00	0.13	0.10	0.10	0.10
DS2-WETLAND 1-AIRPORT BASIN 11 - Pipe	100Y3D	11.97	0.00	0.08	0.00	0.00	0.00
DS2-WETLAND 1-AIRPORT BASIN 11 - Weir: 1	100Y3D	11.97	0.00	0.13	0.10	0.10	0.10
DS2-WETLAND 1-TIMBER CREEK OUTFALL -	100Y3D	4.40	-1.68	0.05	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Pipe							
DS2-WETLAND 1-TIMBER CREEK OUTFALL - Weir: 1	100Y3D	4.40	-1.68	0.06	0.00	0.00	0.00
DS3-WETLAND 1-AIRPORT BASIN 11 - Pipe	100Y3D	12.10	0.00	0.08	0.00	0.00	0.00
DS3-WETLAND 1-AIRPORT BASIN 11 - Weir: 1	100Y3D	12.10	0.00	0.13	0.10	0.10	0.10
DS4-WETLAND 1-AIRPORT BASIN 11 - Pipe	100Y3D	12.19	0.00	0.08	0.00	0.00	0.00
DS4-WETLAND 1-AIRPORT BASIN 11 - Weir: 1	100Y3D	12.19	0.00	0.13	0.10	0.10	0.10
OW-DANIELS SOUTH-ESTERO BAY	100Y3D	1147.07	-256.74	0.75	1.51	1.51	1.51
OW-DS EAST-WETLAND 6	100Y3D	146.20	-24.88	0.94	0.18	0.18	0.18
OW-DS EAST-WETLAND 7	100Y3D	743.40	-150.17	0.45	1.49	1.49	1.49
OW-DS NORTH-WETLAND 2	100Y3D	275.74	-22.64	0.08	1.36	1.36	1.36
OW-DS WEST-WETLAND 4	100Y3D	96.99	-7.88	0.16	0.45	0.45	0.45
OW-DS WEST-WETLAND 5	100Y3D	234.44	-41.46	4.13	0.12	0.12	0.12
OW-WETLAND 2-DS EAST	100Y3D	294.91	-52.02	0.49	0.85	0.85	0.85
OW-WETLAND 2-WETLAND 3	100Y3D	69.99	-0.01	-0.09	0.94	0.94	0.94
OW-WETLAN	100Y3D	131.74	-40.28	-0.25	0.53	0.53	0.53

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D 3-DS EAST							
OW-WETLAND 3-DS WEST	100Y3D	27.24	-27.58	-0.07	0.34	0.34	0.34
OW-WETLAND 3-WETLAND 4	100Y3D	52.28	-1.24	-0.13	0.38	0.38	0.38
OW-WETLAND 4-DS EAST	100Y3D	210.97	-29.47	-2.22	0.11	0.11	0.11
OW-WETLAND 4-WETLAND 5	100Y3D	34.92	-26.17	0.07	0.70	0.70	0.70
OW-WETLAND 5-WETLAND 7	100Y3D	179.06	-38.74	0.05	1.71	1.71	1.71
OW-WETLAND 6-WETLAND 7	100Y3D	150.87	-29.34	0.04	1.43	1.43	1.43
P-DS WEST-DUMMY 1	100Y3D	11.57	-1.71	10.11	3.68	5.56	4.46
P-EB OUTFALL DMY-EB TW	100Y3D	44.99	-4.78	-8.76	1.79	1.78	1.79
P1-W7-EB DMY	100Y3D	13.77	-1.41	-2.00	2.27	2.96	2.62
P2-W7-EB DMY	100Y3D	11.57	-1.56	-1.79	2.17	2.97	2.57
P3-W7-EB DMY	100Y3D	5.12	-0.38	-0.60	2.90	2.90	2.90
P4-W7-EB DMY	100Y3D	9.48	-0.71	-1.11	3.02	3.02	3.02
P5-W7-EB DMY	100Y3D	9.48	-0.71	-1.11	3.02	3.02	3.02
B15 TO DS WEST	10Y1D	99.05	0.00	0.09	1.02	1.02	1.02
B15 TO WETLAND 2	10Y1D	48.40	-0.01	0.04	0.43	0.43	0.43
CH-DMY1-DMY2	10Y1D	5.89	-3.43	-0.64	0.59	0.46	0.53
CH-SW1-SW2	10Y1D	13.26	-3.49	-0.14	0.43	0.45	0.44
CH-SWN2-SWN3	10Y1D	16.94	-0.05	-0.18	0.58	0.62	0.60
CH-SWN3-SW	10Y1D	19.87	0.00	0.35	0.74	0.96	0.85

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N4							
CH-SWN4-TC OUTFALL	10Y1D	23.50	0.00	-7.49	1.14	1.17	1.15
CS1-DRD-N3	10Y1D	7.47	-0.10	0.02	0.00	0.00	0.00
CS1-DRD-N4	10Y1D	13.07	-0.17	0.04	0.00	0.00	0.00
CS1-DRD-TC COM	10Y1D	6.79	-0.09	0.02	0.00	0.00	0.00
CS1-DRD-TC OUTFALL	10Y1D	3.26	-0.04	0.01	0.00	0.00	0.00
CS1-DS1-DRD	10Y1D	9.89	-0.13	0.03	0.00	0.00	0.00
CS2-DRD-TC COM	10Y1D	6.79	-0.09	0.02	0.00	0.00	0.00
CS2-DRD-TC OUTFALL	10Y1D	5.05	-0.07	0.01	0.00	0.00	0.00
CS2-DS1-DRD	10Y1D	8.33	-0.11	0.02	0.00	0.00	0.00
CS3-DRD-TC COM	10Y1D	4.48	-0.06	0.01	0.00	0.00	0.00
CS3-DRD-TC OUTFALL	10Y1D	9.89	-0.13	0.03	0.00	0.00	0.00
DS EAST TO WETLAND 5	10Y1D	20.72	-41.57	0.23	-0.46	-0.46	-0.46
DS NORTH TO B15	10Y1D	136.38	0.00	0.06	1.04	1.04	1.04
DS-DMY2-EB TW - Pipe	10Y1D	4.52	-3.67	0.28	0.00	0.00	0.00
DS-DMY2-EB TW - Weir: 1	10Y1D	4.53	-3.67	0.30	0.06	0.06	0.06
DS-WETLAND 1-SWALE N2 - Pipe	10Y1D	7.39	-1.43	-0.07	0.00	0.00	0.00
DS-WETLAND 1-SWALE N2 - Weir: 1	10Y1D	7.39	-1.43	-0.10	0.01	0.01	0.01
DS-WETLAND 1-SWALE N3 - Pipe	10Y1D	3.81	-0.57	0.07	0.00	0.00	0.00
DS-WETLAND 1-SWALE N3 - Weir: 1	10Y1D	3.81	-0.57	0.09	0.00	0.00	0.00
DS-WETLAND 1-SWALE N4 - Pipe	10Y1D	4.21	0.00	0.16	0.00	0.00	0.00
DS-WETLAND 1-SWALE N4 - Weir: 1	10Y1D	4.22	0.00	0.21	0.01	0.01	0.01
DS-WETLAND 1-TC	10Y1D	7.42	-1.92	0.06	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
COMMERCIAL - Pipe							
DS-WETLAND 1-TC COMMERCIAL - Weir: 1	10Y1D	7.42	-1.92	0.09	0.01	0.01	0.01
DS1-WETLAND 1- TIMBER CREEK OUTFALL - Pipe	10Y1D	4.75	0.00	0.21	0.00	0.00	0.00
DS1-WETLAND 1- TIMBER CREEK OUTFALL - Weir: 1	10Y1D	4.76	0.00	0.22	0.01	0.01	0.01
DS1-WETLAND 1-AIRPORT BASIN 11 - Pipe	10Y1D	11.30	-1.02	0.05	0.00	0.00	0.00
DS1-WETLAND 1-AIRPORT BASIN 11 - Weir: 1	10Y1D	11.30	-1.03	-0.07	0.19	0.19	0.19
DS2-WETLAND 1-AIRPORT BASIN 11 - Pipe	10Y1D	11.85	-1.07	-0.06	0.00	0.00	0.00
DS2-WETLAND 1-AIRPORT BASIN 11 - Weir: 1	10Y1D	11.85	-1.08	-0.08	0.20	0.20	0.20
DS2-WETLAND 1-TIMBER CREEK OUTFALL - Pipe	10Y1D	6.50	-1.84	0.06	0.00	0.00	0.00
DS2-WETLAND 1-TIMBER CREEK OUTFALL - Weir: 1	10Y1D	6.51	-1.85	0.09	0.01	0.01	0.01
DS3-WETLAND 1-AIRPORT BASIN 11 - Pipe	10Y1D	11.96	-1.08	-0.06	0.00	0.00	0.00
DS3-WETLAN	10Y1D	11.96	-1.09	-0.08	0.20	0.20	0.20

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D 1-AIRPORT BASIN 11 - Weir: 1							
DS4-WETLAND 1-AIRPORT BASIN 11 - Pipe	10Y1D	12.03	-1.08	-0.06	0.00	0.00	0.00
DS4-WETLAND 1-AIRPORT BASIN 11 - Weir: 1	10Y1D	12.04	-1.09	-0.08	0.20	0.20	0.20
OW-DANIELS SOUTH-ESTERO BAY	10Y1D	666.28	-653.55	11.82	1.27	1.27	1.27
OW-DS EAST-WETLAND 6	10Y1D	79.22	-38.03	1.24	0.16	0.16	0.16
OW-DS EAST-WETLAND 7	10Y1D	412.92	-317.11	1.19	0.86	0.86	0.86
OW-DS NORTH-WETLAND 2	10Y1D	153.30	0.00	0.08	1.22	1.22	1.22
OW-DS WEST-WETLAND 4	10Y1D	42.12	-8.68	0.19	0.33	0.33	0.33
OW-DS WEST-WETLAND 5	10Y1D	180.56	-45.40	-4.33	0.12	0.12	0.12
OW-WETLAND 2-DS EAST	10Y1D	183.69	0.00	-0.63	0.61	0.61	0.61
OW-WETLAND 2-WETLAND 3	10Y1D	44.45	0.00	-0.06	0.78	0.78	0.78
OW-WETLAND 3-DS EAST	10Y1D	104.93	-100.13	0.35	0.66	0.66	0.66
OW-WETLAND 3-DS WEST	10Y1D	35.03	-19.21	-0.08	0.56	0.56	0.56
OW-WETLAND 3-WETLAND 4	10Y1D	72.25	-31.18	-0.22	0.63	0.63	0.63
OW-WETLAND 4-DS EAST	10Y1D	114.14	-137.97	-2.95	-0.08	-0.08	-0.08
OW-WETLAND	10Y1D	45.35	-21.86	0.18	0.87	0.87	0.87

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
4-WETLAND 5							
OW-WETLAND 5-WETLAND 7	10Y1D	98.38	-77.07	0.28	1.67	1.67	1.67
OW-WETLAND 6-WETLAND 7	10Y1D	82.07	-62.66	0.22	1.23	1.23	1.23
P-DS WEST-DUMMY 1	10Y1D	11.29	-3.20	-0.15	3.59	4.69	4.14
P-EB OUTFALL DMY-EB TW	10Y1D	49.32	-10.94	-8.76	1.94	1.94	1.94
P1-W7-EB DMY	10Y1D	14.28	-3.10	-2.23	2.43	3.11	2.76
P2-W7-EB DMY	10Y1D	10.39	-2.72	-2.01	2.30	3.12	2.69
P3-W7-EB DMY	10Y1D	5.38	-0.83	-0.65	3.04	3.04	3.04
P4-W7-EB DMY	10Y1D	9.96	-1.53	-1.20	3.17	3.17	3.17
P5-W7-EB DMY	10Y1D	9.96	-1.53	-1.20	3.17	3.17	3.17
B15 TO DS WEST	2.33Y1D	77.84	0.00	0.09	0.85	0.85	0.85
B15 TO WETLAND 2	2.33Y1D	35.89	0.00	0.03	0.32	0.32	0.32
CH-DMY1-DMY2	2.33Y1D	5.89	0.00	0.69	0.59	0.46	0.53
CH-SW1-SW2	2.33Y1D	10.80	-3.06	-0.14	0.38	0.40	0.39
CH-SWN2-SWN3	2.33Y1D	14.56	-2.71	-0.15	0.54	0.58	0.56
CH-SWN3-SWN4	2.33Y1D	17.36	0.00	-0.12	0.70	0.90	0.80
CH-SWN4-TC OUTFALL	2.33Y1D	21.10	0.00	0.52	1.09	1.12	1.10
CS1-DRD-N3	2.33Y1D	7.47	-0.10	0.02	0.00	0.00	0.00
CS1-DRD-N4	2.33Y1D	13.07	-0.17	0.04	0.00	0.00	0.00
CS1-DRD-TC COM	2.33Y1D	6.79	-0.09	0.02	0.00	0.00	0.00
CS1-DRD-TC OUTFALL	2.33Y1D	3.26	-0.04	0.01	0.00	0.00	0.00
CS1-DS1-DRD	2.33Y1D	9.89	-0.13	0.03	0.00	0.00	0.00
CS2-DRD-TC	2.33Y1D	6.79	-0.09	0.02	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
COM							
CS2-DRD-TC OUTFALL	2.33Y1D	5.05	-0.07	0.02	0.00	0.00	0.00
CS2-DS1-DRD	2.33Y1D	8.33	-0.11	0.03	0.00	0.00	0.00
CS3-DRD-TC COM	2.33Y1D	4.48	-0.06	0.01	0.00	0.00	0.00
CS3-DRD-TC OUTFALL	2.33Y1D	9.89	-0.13	0.03	0.00	0.00	0.00
DS EAST TO WETLAND 5	2.33Y1D	19.92	-54.41	-0.18	-0.60	-0.60	-0.60
DS NORTH TO B15	2.33Y1D	106.75	0.00	0.05	0.86	0.86	0.86
DS-DMY2-EB TW - Pipe	2.33Y1D	4.01	0.00	-0.12	0.00	0.00	0.00
DS-DMY2-EB TW - Weir: 1	2.33Y1D	4.07	0.00	0.16	0.00	0.00	0.00
DS-WETLAND 1-SWALE N2 - Pipe	2.33Y1D	6.32	0.00	-0.07	0.00	0.00	0.00
DS-WETLAND 1-SWALE N2 - Weir: 1	2.33Y1D	6.32	0.00	-0.10	0.01	0.01	0.01
DS-WETLAND 1-SWALE N3 - Pipe	2.33Y1D	3.68	0.00	-0.07	0.00	0.00	0.00
DS-WETLAND 1-SWALE N3 - Weir: 1	2.33Y1D	3.68	0.00	-0.13	0.00	0.00	0.00
DS-WETLAND 1-SWALE N4 - Pipe	2.33Y1D	4.14	0.00	0.12	0.00	0.00	0.00
DS-WETLAND 1-SWALE N4 - Weir: 1	2.33Y1D	4.14	0.00	0.18	0.01	0.01	0.01
DS-WETLAND 1-TC COMMERCIAL - Pipe	2.33Y1D	6.36	0.00	-0.07	0.00	0.00	0.00
DS-WETLAND 1-TC COMMERCIAL - Weir: 1	2.33Y1D	6.36	0.00	-0.11	0.01	0.01	0.01
DS1-WETLAND 1- TIMBER CREEK OUTFALL - Pipe	2.33Y1D	4.28	0.00	0.22	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DS1-WETLAND 1- TIMBER CREEK OUTFALL - Weir: 1	2.33Y1D	4.28	0.00	0.30	0.01	0.01	0.01
DS1-WETLAND 1-AIRPORT BASIN 11 - Pipe	2.33Y1D	10.85	0.00	0.09	0.00	0.00	0.00
DS1-WETLAND 1-AIRPORT BASIN 11 - Weir: 1	2.33Y1D	10.85	0.00	0.13	0.20	0.20	0.20
DS2-WETLAND 1-AIRPORT BASIN 11 - Pipe	2.33Y1D	11.34	0.00	0.09	0.00	0.00	0.00
DS2-WETLAND 1-AIRPORT BASIN 11 - Weir: 1	2.33Y1D	11.34	0.00	0.13	0.20	0.20	0.20
DS2-WETLAND 1-TIMBER CREEK OUTFALL - Pipe	2.33Y1D	6.07	0.00	-0.07	0.00	0.00	0.00
DS2-WETLAND 1-TIMBER CREEK OUTFALL - Weir: 1	2.33Y1D	6.07	0.00	-0.11	0.01	0.01	0.01
DS3-WETLAND 1-AIRPORT BASIN 11 - Pipe	2.33Y1D	11.44	0.00	0.09	0.00	0.00	0.00
DS3-WETLAND 1-AIRPORT BASIN 11 - Weir: 1	2.33Y1D	11.44	0.00	0.13	0.21	0.21	0.21
DS4-WETLAND 1-AIRPORT BASIN 11 - Pipe	2.33Y1D	11.51	0.00	0.09	0.00	0.00	0.00
DS4-WETLAND 1-AIRPORT BASIN 11 - Weir: 1	2.33Y1D	11.51	0.00	0.13	0.21	0.21	0.21

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
OW-DANIELS SOUTH-ESTERO BAY	2.33Y1D	475.58	0.00	0.45	1.24	1.24	1.24
OW-DS EAST-WETLAND 6	2.33Y1D	168.41	0.00	-2.14	0.33	0.33	0.33
OW-DS EAST-WETLAND 7	2.33Y1D	309.23	0.00	-0.56	1.01	1.01	1.01
OW-DS NORTH-WETLAND 2	2.33Y1D	119.57	0.00	0.07	1.08	1.08	1.08
OW-DS WEST-WETLAND 4	2.33Y1D	42.04	0.00	-0.15	0.39	0.39	0.39
OW-DS WEST-WETLAND 5	2.33Y1D	185.34	0.00	-4.13	0.13	0.13	0.13
OW-WETLAND 2-DS EAST	2.33Y1D	136.64	0.00	-0.57	0.46	0.46	0.46
OW-WETLAND 2-WETLAND 3	2.33Y1D	31.74	0.00	-0.06	0.60	0.60	0.60
OW-WETLAND 3-DS EAST	2.33Y1D	83.19	0.00	0.26	0.53	0.53	0.53
OW-WETLAND 3-DS WEST	2.33Y1D	28.60	-11.32	-0.11	0.46	0.46	0.46
OW-WETLAND 3-WETLAND 4	2.33Y1D	57.85	0.00	0.20	0.51	0.51	0.51
OW-WETLAND 4-DS EAST	2.33Y1D	121.87	-68.83	-2.60	0.09	0.09	0.09
OW-WETLAND 4-WETLAND 5	2.33Y1D	45.30	-31.64	-0.14	0.86	0.86	0.86
OW-WETLAND 5-WETLAND 7	2.33Y1D	99.53	0.00	-0.10	1.75	1.75	1.75
OW-WETLAND 6-WETLAND 7	2.33Y1D	105.02	0.00	0.21	1.93	1.93	1.93
P-DS	2.33Y1D	11.29	-0.01	-0.17	3.59	4.69	4.14

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
WEST-DUMMY 1							
P-EB OUTFALL DMY-EB TW	2.33Y1D	44.01	-5.30	8.00	1.73	1.73	1.73
P1-W7-EB DMY	2.33Y1D	12.95	-0.57	0.96	2.21	2.68	2.45
P2-W7-EB DMY	2.33Y1D	9.54	-0.25	0.53	2.18	2.71	2.44
P3-W7-EB DMY	2.33Y1D	4.61	-0.24	0.45	2.61	2.61	2.61
P4-W7-EB DMY	2.33Y1D	8.53	-0.40	0.83	2.72	2.72	2.72
P5-W7-EB DMY	2.33Y1D	8.53	-0.40	0.83	2.72	2.72	2.72
B15 TO DS WEST	25Y3D	114.70	-9.23	0.10	1.07	1.07	1.07
B15 TO WETLAND 2	25Y3D	66.69	-8.06	0.04	0.56	0.56	0.56
CH-DMY1-DMY2	25Y3D	7.22	-2.22	-0.52	0.59	0.46	0.53
CH-SW1-SW2	25Y3D	16.09	-3.52	-0.14	0.46	0.47	0.47
CH-SWN2-SWN3	25Y3D	19.16	-2.03	0.23	0.56	0.60	0.58
CH-SWN3-SWN4	25Y3D	24.43	-1.61	0.16	0.77	0.94	0.86
CH-SWN4-TC OUTFALL	25Y3D	38.51	-1.27	1.35	1.50	1.55	1.52
CS1-DRD-N3	25Y3D	7.47	-0.10	0.01	0.00	0.00	0.00
CS1-DRD-N4	25Y3D	13.07	-0.17	0.01	0.00	0.00	0.00
CS1-DRD-TC COM	25Y3D	6.80	-0.09	0.01	0.00	0.00	0.00
CS1-DRD-TC OUTFALL	25Y3D	3.26	-0.04	0.00	0.00	0.00	0.00
CS1-DS1-DRD	25Y3D	9.89	-0.13	0.01	0.00	0.00	0.00
CS2-DRD-TC COM	25Y3D	6.80	-0.09	0.01	0.00	0.00	0.00
CS2-DRD-TC OUTFALL	25Y3D	5.05	-0.07	0.00	0.00	0.00	0.00
CS2-DS1-DRD	25Y3D	8.33	-0.11	0.01	0.00	0.00	0.00
CS3-DRD-TC COM	25Y3D	4.48	-0.06	0.00	0.00	0.00	0.00
CS3-DRD-TC OUTFALL	25Y3D	9.89	-0.13	0.01	0.00	0.00	0.00
DS EAST TO WETLAND 5	25Y3D	16.50	-55.82	0.12	-0.37	-0.37	-0.37
DS NORTH	25Y3D	170.56	-11.77	0.06	1.15	1.15	1.15

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
TO B15							
DS-DMY2-EB TW - Pipe	25Y3D	7.22	-1.95	0.28	0.00	0.00	0.00
DS-DMY2-EB TW - Weir: 1	25Y3D	7.27	-2.05	-0.59	0.06	0.06	0.06
DS-WETLAND 1-SWALE N2 - Pipe	25Y3D	4.33	0.00	-0.04	0.00	0.00	0.00
DS-WETLAND 1-SWALE N2 - Weir: 1	25Y3D	4.33	0.00	-0.07	0.00	0.00	0.00
DS-WETLAND 1-SWALE N3 - Pipe	25Y3D	2.83	0.00	0.03	0.00	0.00	0.00
DS-WETLAND 1-SWALE N3 - Weir: 1	25Y3D	2.83	0.00	0.04	0.00	0.00	0.00
DS-WETLAND 1-SWALE N4 - Pipe	25Y3D	3.67	0.00	0.07	0.00	0.00	0.00
DS-WETLAND 1-SWALE N4 - Weir: 1	25Y3D	3.67	0.00	0.09	0.00	0.00	0.00
DS-WETLAND 1-TC COMMERCIAL - Pipe	25Y3D	4.08	-1.93	0.06	0.00	0.00	0.00
DS-WETLAND 1-TC COMMERCIAL - Weir: 1	25Y3D	4.08	-1.93	0.07	0.00	0.00	0.00
DS1-WETLAND 1- TIMBER CREEK OUTFALL - Pipe	25Y3D	4.15	0.00	0.09	0.00	0.00	0.00
DS1-WETLAND 1- TIMBER CREEK OUTFALL - Weir: 1	25Y3D	4.15	0.00	-0.09	0.00	0.00	0.00
DS1-WETLAND 1-AIRPORT BASIN 11 - Pipe	25Y3D	9.34	0.00	0.06	0.00	0.00	0.00
DS1-WETLAND 1-AIRPORT	25Y3D	9.34	0.00	0.08	0.08	0.08	0.08

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
BASIN 11 - Weir: 1							
DS2-WETLAND 1-AIRPORT BASIN 11 - Pipe	25Y3D	9.86	0.00	0.06	0.00	0.00	0.00
DS2-WETLAND 1-AIRPORT BASIN 11 - Weir: 1	25Y3D	9.86	0.00	0.08	0.08	0.08	0.08
DS2-WETLAND 1-TIMBER CREEK OUTFALL - Pipe	25Y3D	4.03	-1.86	0.06	0.00	0.00	0.00
DS2-WETLAND 1-TIMBER CREEK OUTFALL - Weir: 1	25Y3D	4.03	-1.86	0.07	0.00	0.00	0.00
DS3-WETLAND 1-AIRPORT BASIN 11 - Pipe	25Y3D	9.96	0.00	0.06	0.00	0.00	0.00
DS3-WETLAND 1-AIRPORT BASIN 11 - Weir: 1	25Y3D	9.96	0.00	0.08	0.08	0.08	0.08
DS4-WETLAND 1-AIRPORT BASIN 11 - Pipe	25Y3D	10.04	0.00	0.06	0.00	0.00	0.00
DS4-WETLAND 1-AIRPORT BASIN 11 - Weir: 1	25Y3D	10.04	0.00	0.08	0.08	0.08	0.08
OW-DANIELS SOUTH-ESTERO BAY	25Y3D	875.25	-275.38	0.24	1.42	1.42	1.42
OW-DS EAST-WETLAND 6	25Y3D	110.63	-27.84	1.09	0.15	0.15	0.15
OW-DS EAST-WETLAND 7	25Y3D	568.45	-162.87	0.52	1.27	1.27	1.27
OW-DS NORTH-WETL	25Y3D	201.19	-27.79	0.06	1.33	1.33	1.33

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
AND 2							
OW-DS WEST-WETLAND 4	25Y3D	71.99	-9.02	0.14	0.40	0.40	0.40
OW-DS WEST-WETLAND 5	25Y3D	184.59	-44.55	3.85	0.11	0.11	0.11
OW-WETLAND 2-DS EAST	25Y3D	235.06	-57.73	0.32	0.73	0.73	0.73
OW-WETLAND 2-WETLAND 3	25Y3D	46.86	-0.04	-0.03	0.81	0.81	0.81
OW-WETLAND 3-DS EAST	25Y3D	96.00	-41.78	-0.26	0.53	0.53	0.53
OW-WETLAND 3-DS WEST	25Y3D	25.18	-19.46	-0.04	0.41	0.41	0.41
OW-WETLAND 3-WETLAND 4	25Y3D	55.16	-1.76	-0.20	0.48	0.48	0.48
OW-WETLAND 4-DS EAST	25Y3D	155.25	-31.40	-2.58	0.09	0.09	0.09
OW-WETLAND 4-WETLAND 5	25Y3D	34.13	-20.70	0.15	0.68	0.68	0.68
OW-WETLAND 5-WETLAND 7	25Y3D	141.14	-41.74	0.04	1.51	1.51	1.51
OW-WETLAND 6-WETLAND 7	25Y3D	114.20	-32.34	0.04	1.23	1.23	1.23
P-DS WEST-DUMMY 1	25Y3D	11.29	-1.79	-0.18	3.59	4.69	4.14
P-EB OUTFALL DMY-EB TW	25Y3D	40.35	-4.45	-8.34	1.59	1.59	1.59
P1-W7-EB DMY	25Y3D	12.40	-1.39	1.78	2.02	2.51	2.26
P2-W7-EB DMY	25Y3D	10.33	-1.49	1.58	2.02	2.52	2.27
P3-W7-EB DMY	25Y3D	4.33	-0.43	0.50	2.45	2.45	2.45

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4-W7-EB DMY	25Y3D	8.01	-0.79	0.93	2.55	2.55	2.55
P5-W7-EB DMY	25Y3D	8.01	-0.79	0.93	2.55	2.55	2.55

APPENDIX F-EXISTING CONDITIONS MANUAL BASIN MAX

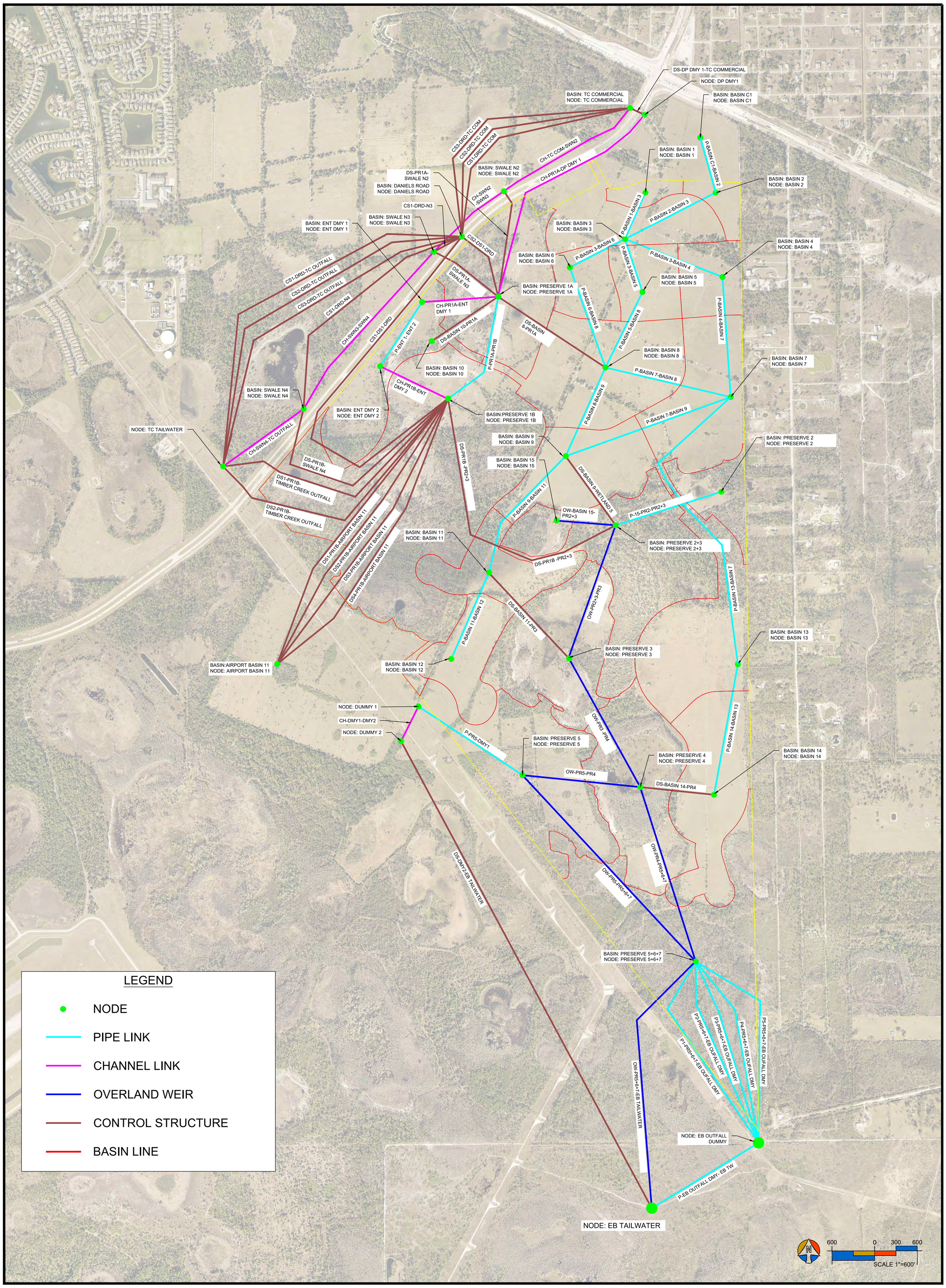
Manual Basin Runoff Summary [Icpr3]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
AirportBasin11	100Y3D	660.55	60.3333	13.90	13.35	213.6318	95.5	0.00	0.00
BASIN 15	100Y3D	38.77	60.2833	13.90	13.89	11.7350	100.0	0.00	0.00
DS EAST	100Y3D	248.06	62.7167	13.90	13.80	160.4520	98.9	0.00	0.00
DS NORTH	100Y3D	520.03	61.4500	13.90	13.83	227.5580	99.2	0.00	0.00
DS WEST	100Y3D	306.03	61.1000	13.90	13.90	114.5320	99.8	0.00	0.00
SWALE N2	100Y3D	5.65	60.0167	13.90	13.64	0.9200	98.0	0.00	0.00
SWALE N3	100Y3D	7.50	60.0167	13.90	13.64	1.2200	98.0	0.00	0.00
SWALE N4	100Y3D	0.31	60.0167	13.90	13.64	0.0500	98.0	0.00	0.00
TC COMMERCIAL	100Y3D	247.77	60.0833	13.90	13.43	39.7700	95.9	0.00	0.00
WETLAND 1	100Y3D	2659.10	60.0667	13.90	13.89	417.3750	99.7	0.00	0.00
WETLAND 2	100Y3D	241.72	60.2000	13.90	13.92	44.7130	99.9	0.00	0.00
WETLAND 3	100Y3D	333.46	60.5000	13.90	13.88	84.2470	99.6	0.00	0.00
WETLAND 4	100Y3D	167.99	60.5833	13.90	13.93	45.1480	100.0	0.00	0.00
WETLAND 5	100Y3D	97.81	60.7167	13.90	13.92	29.2040	100.0	0.00	0.00
WETLAND 6	100Y3D	49.18	60.1500	13.90	13.92	8.6420	100.0	0.00	0.00
WETLAND 7	100Y3D	279.69	60.8333	13.90	13.86	89.4770	99.5	0.00	0.00
AirportBasin11	10Y1D	406.60	12.4333	6.50	5.97	213.6318	95.5	0.00	0.00
BASIN 15	10Y1D	24.24	12.3833	6.50	6.50	11.7350	100.0	0.00	0.00
DS EAST	10Y1D	157.09	14.7833	6.50	6.39	160.4520	98.9	0.00	0.00
DS NORTH	10Y1D	331.74	13.5333	6.50	6.41	227.5580	99.2	0.00	0.00
DS WEST	10Y1D	195.78	13.1833	6.50	6.49	114.5320	99.8	0.00	0.00
SWALE N2	10Y1D	3.57	12.0500	6.50	6.25	0.9200	98.0	0.00	0.00
SWALE N3	10Y1D	4.73	12.0500	6.50	6.25	1.2200	98.0	0.00	0.00
SWALE N4	10Y1D	0.19	12.0500	6.50	6.25	0.0500	98.0	0.00	0.00
TC COMMERCIAL	10Y1D	151.88	12.1500	6.50	6.03	39.7700	95.9	0.00	0.00
WETLAND 1	10Y1D	1661.38	12.1333	6.50	6.48	417.3750	99.7	0.00	0.00
WETLAND 2	10Y1D	148.31	12.2833	6.50	6.51	44.7130	99.9	0.00	0.00
WETLAND 3	10Y1D	210.85	12.6000	6.50	6.47	84.2470	99.6	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
WETLAND 4	10Y1D	106.73	12.6667	6.50	6.51	45.1480	100.0	0.00	0.00
WETLAND 5	10Y1D	62.44	12.8167	6.50	6.51	29.2040	100.0	0.00	0.00
WETLAND 6	10Y1D	30.19	12.2333	6.50	6.51	8.6420	100.0	0.00	0.00
WETLAND 7	10Y1D	178.84	12.9167	6.50	6.45	89.4770	99.5	0.00	0.00
AirportBasin11	2.33Y1D	275.85	12.4333	4.50	3.98	213.6318	95.5	0.00	0.00
BASIN 15	2.33Y1D	16.78	12.3833	4.50	4.50	11.7350	100.0	0.00	0.00
DS EAST	2.33Y1D	108.54	14.7833	4.50	4.38	160.4520	98.9	0.00	0.00
DS NORTH	2.33Y1D	229.43	13.5333	4.50	4.41	227.5580	99.2	0.00	0.00
DS WEST	2.33Y1D	135.53	13.1833	4.50	4.48	114.5320	99.8	0.00	0.00
SWALE N2	2.33Y1D	2.46	12.0500	4.50	4.26	0.9200	98.0	0.00	0.00
SWALE N3	2.33Y1D	3.26	12.0500	4.50	4.26	1.2200	98.0	0.00	0.00
SWALE N4	2.33Y1D	0.13	12.0500	4.50	4.26	0.0500	98.0	0.00	0.00
TC COMMERCIAL	2.33Y1D	103.65	12.1500	4.50	4.04	39.7700	95.9	0.00	0.00
WETLAND 1	2.33Y1D	1150.08	12.1333	4.50	4.47	417.3750	99.7	0.00	0.00
WETLAND 2	2.33Y1D	102.68	12.2833	4.50	4.50	44.7130	99.9	0.00	0.00
WETLAND 3	2.33Y1D	145.95	12.6000	4.50	4.47	84.2470	99.6	0.00	0.00
WETLAND 4	2.33Y1D	73.89	12.6667	4.50	4.51	45.1480	100.0	0.00	0.00
WETLAND 5	2.33Y1D	43.23	12.8167	4.50	4.51	29.2040	100.0	0.00	0.00
WETLAND 6	2.33Y1D	20.90	12.2333	4.50	4.50	8.6420	100.0	0.00	0.00
WETLAND 7	2.33Y1D	123.77	12.9167	4.50	4.45	89.4770	99.5	0.00	0.00
AirportBasin11	25Y3D	502.72	60.3333	10.60	10.05	213.6318	95.5	0.00	0.00
BASIN 15	25Y3D	29.57	60.2833	10.60	10.59	11.7350	100.0	0.00	0.00
DS EAST	25Y3D	189.15	62.7167	10.60	10.49	160.4520	98.9	0.00	0.00
DS NORTH	25Y3D	396.54	61.4500	10.60	10.52	227.5580	99.2	0.00	0.00
DS WEST	25Y3D	233.37	61.1000	10.60	10.60	114.5320	99.8	0.00	0.00
SWALE N2	25Y3D	4.31	60.0167	10.60	10.35	0.9200	98.0	0.00	0.00
SWALE N3	25Y3D	5.71	60.0167	10.60	10.35	1.2200	98.0	0.00	0.00
SWALE N4	25Y3D	0.23	60.0167	10.60	10.35	0.0500	98.0	0.00	0.00
TC COMMERC	25Y3D	188.66	60.0833	10.60	10.13	39.7700	95.9	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
IAL									
WETLAND 1	25Y3D	2027.79	60.0667	10.60	10.59	417.3750	99.7	0.00	0.00
WETLAND 2	25Y3D	184.33	60.2000	10.60	10.62	44.7130	99.9	0.00	0.00
WETLAND 3	25Y3D	254.29	60.5000	10.60	10.58	84.2470	99.6	0.00	0.00
WETLAND 4	25Y3D	128.11	60.5833	10.60	10.62	45.1480	100.0	0.00	0.00
WETLAND 5	25Y3D	74.59	60.7167	10.60	10.62	29.2040	100.0	0.00	0.00
WETLAND 6	25Y3D	37.51	60.1500	10.60	10.62	8.6420	100.0	0.00	0.00
WETLAND 7	25Y3D	213.28	60.8333	10.60	10.56	89.4770	99.5	0.00	0.00
AirportBasin11	5Y1D	341.38	12.4333	5.50	4.97	213.6318	95.5	0.00	0.00
BASIN 15	5Y1D	20.51	12.3833	5.50	5.50	11.7350	100.0	0.00	0.00
DS EAST	5Y1D	132.83	14.7833	5.50	5.38	160.4520	98.9	0.00	0.00
DS NORTH	5Y1D	280.60	13.5333	5.50	5.41	227.5580	99.2	0.00	0.00
DS WEST	5Y1D	165.65	13.1833	5.50	5.49	114.5320	99.8	0.00	0.00
SWALE N2	5Y1D	3.02	12.0500	5.50	5.26	0.9200	98.0	0.00	0.00
SWALE N3	5Y1D	4.00	12.0500	5.50	5.26	1.2200	98.0	0.00	0.00
SWALE N4	5Y1D	0.16	12.0500	5.50	5.26	0.0500	98.0	0.00	0.00
TC COMMERCIAL	5Y1D	127.82	12.1500	5.50	5.03	39.7700	95.9	0.00	0.00
WETLAND 1	5Y1D	1405.73	12.1333	5.50	5.48	417.3750	99.7	0.00	0.00
WETLAND 2	5Y1D	125.50	12.2833	5.50	5.50	44.7130	99.9	0.00	0.00
WETLAND 3	5Y1D	178.40	12.6000	5.50	5.47	84.2470	99.6	0.00	0.00
WETLAND 4	5Y1D	90.31	12.6667	5.50	5.51	45.1480	100.0	0.00	0.00
WETLAND 5	5Y1D	52.84	12.8167	5.50	5.51	29.2040	100.0	0.00	0.00
WETLAND 6	5Y1D	25.54	12.2333	5.50	5.51	8.6420	100.0	0.00	0.00
WETLAND 7	5Y1D	151.31	12.9167	5.50	5.45	89.4770	99.5	0.00	0.00

APPENDIX G- PROPOSED CONDITIONS NODE MAP



8/25/2022 G:\21008 - Daniels Parkway South\Docs\Computations\ICPR Modeling Cnty\02 Zoning RAI 1\21008-02 Proposed Conditions Node Map.dwg

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DANIELS SOUTH

ADDRESS:

DANIELS PARKWAY, LEE COUNTY

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CLIENT:

LENNAR

SHEET TITLE:

PROPOSED CONDITIONS BASIN MAP

REVISIONS	DATE
JOB/FILE NUMBER:	14012-12
PROJECT MANAGER:	RMS
DRAWING BY:	ESS
JURISDICTION:	LEE COUNTY
DATE:	8/25/2022
SHEET NUMBER:	----

APPENDIX H-PROPOSED CONDITIONS INPUT REPORT

Manual Basin: BASIN 1

Scenario: Icpr3
Node: BASIN 1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 6.6300 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
6.6300	BASIN 1	BASIN 1			

Comment:

Manual Basin: BASIN 10

Scenario: Icpr3
Node: BASIN 10
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 39.8600 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
39.8600	BASIN 10	BASIN 10			

Comment:

Manual Basin: BASIN 11

Scenario: Icpr3
Node: BASIN 11
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 31.7600 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
31.7600	BASIN 11	BASIN 11			

Comment:

Manual Basin: BASIN 12

Scenario: Icpr3
Node: BASIN 12
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 28.5400 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
28.5400	BASIN 12	BASIN 12			

Comment:

Manual Basin: BASIN 13

Scenario: Icpr3
Node: BASIN 13
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 61.4200 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
61.4200	BASIN 13	BASIN 13			

Comment:

Manual Basin: BASIN 14

Scenario: Icpr3

Node: BASIN 14
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 58.1100 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
58.1100	BASIN 14	BASIN 14			

Comment:

Manual Basin: BASIN 15

Scenario: Icpr3
Node: BASIN 15
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 38.8700 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 11.7300 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
11.7300	BASIN 15	BASIN 15			

Comment:

Manual Basin: BASIN 2

Scenario: Icpr3
Node: BASIN 2
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 8.5300 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
8.5300	BASIN 2	BASIN 2			

Comment:

Manual Basin: BASIN 3

Scenario: Icpr3
Node: BASIN 3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 37.3900 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
37.3900	BASIN 3	BASIN 3			

Comment:

Manual Basin: BASIN 4

Scenario: Icpr3
Node: BASIN 4
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 20.8700 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
20.8700	BASIN 4	BASIN 4			

Comment:

Manual Basin: BASIN 5

Scenario: Icpr3

Node: BASIN 5
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 22.4500 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
22.4500	BASIN 5	BASIN 5			

Comment:

Manual Basin: BASIN 6

Scenario: Icpr3
Node: BASIN 6
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 18.9800 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
18.9800	BASIN 6	BASIN 6			

Comment:

Manual Basin: BASIN 7

Scenario: Icpr3
Node: BASIN 7
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 52.0600 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
52.0600	BASIN 7	BASIN 7			

Comment:

Manual Basin: BASIN 8

Scenario: Icpr3
Node: BASIN 8
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 68.6200 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
68.6200	BASIN 8	BASIN 8			

Comment:

Manual Basin: BASIN 9

Scenario: Icpr3
Node: BASIN 9
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 45.2800 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
45.2800	BASIN 9	BASIN 9			

Comment:

Manual Basin: BASIN C1

Scenario: Icpr3

Node: BASIN C1
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 20.0000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 48.9700 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
48.9700	C1	C1			

Comment:

Manual Basin: PRESERVE 1A

Scenario: Icpr3
Node: PRESERVE 1A
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 111.3700 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 64.7900 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
64.7900	PRESERVE 1A	PRESERVE 1A			

Comment:

Manual Basin: PRESERVE 1B

Scenario: Icpr3
Node: PRESERVE 1B
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 165.8600 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 196.9700 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
196.9700	PRESERVE 1B	PRESERVE 1B			

Comment:

Manual Basin: PRESERVE 2

Scenario: Icpr3
Node: PRESERVE 2
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 57.4400 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 18.3300 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
18.3300	PRESERVE 2	PRESERVE 2			

Comment:

Manual Basin: PRESERVE 2+3

Scenario: Icpr3
Node: PRESERVE 2+3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 100.3800 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 72.7900 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
72.7900	PRESERVE 2+3	PRESERVE 2+3			

Comment:

Manual Basin: PRESERVE 3

Scenario: Icpr3

Node: PRESERVE 3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 94.8700 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 62.4900 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
62.4900	PRESERVE 3	PRESERVE 3			

Comment:

Manual Basin: PRESERVE 4

Scenario: Icpr3
Node: PRESERVE 4
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 147.7000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 66.5500 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
66.5500	PRESERVE 4	PRESERVE 4			

Comment:

Manual Basin: PRESERVE 5

Scenario: Icpr3
Node: PRESERVE 5
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 158.8900 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 74.8900 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
74.8900	PRESERVE 5	PRESERVE 5			

Comment:

Manual Basin: PRESERVE 5+6+7

Scenario: Icpr3
Node: PRESERVE 5+6+7
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 335.2000 min
Max Allowable Q: 9999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 115.0600 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
115.0600	PRESERVE 5+6+7	PRESERVE 5+6+7			

Comment:

Manual Basin: SWALE N2

Scenario: Icpr3
Node: Swale N2
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh256
Peaking Factor: 256.0
Area: 0.9200 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9200	SWALE N2	SWALE N2			

Comment:

Manual Basin: SWALE N3

Scenario: Icpr3

Node: Swale N3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh256
Peaking Factor: 256.0
Area: 1.2200 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2200	SWALE N3	SWALE N3			

Comment:

Manual Basin: SWALE N4

Scenario: Icpr3
Node: Swale N4
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh256
Peaking Factor: 256.0
Area: 0.0500 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0500	SWALE N4	SWALE N4			

Comment:

Manual Basin: TC COMMERCIAL

Scenario: Icpr3
Node: TC COMMERCIAL
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.9800 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: Uh484
Peaking Factor: 484.0
Area: 39.7700 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
39.7700	OFFSITE 1	OFFSITE 1			

Comment:

Impervious: Icpr3 [Set]

Land Cover Zone	% Impervious	% DCIA	% Direct	Ia Impervious [in]	Ia Pervious [in]
AirportBasin11	0.00	0.00	0.00	0.100	0.000
BASIN 1	0.00	0.00	0.00	0.000	0.000
BASIN 10	0.00	0.00	0.00	0.000	0.000
BASIN 11	0.00	0.00	0.00	0.000	0.000
BASIN 12	0.00	0.00	0.00	0.000	0.000
BASIN 13	0.00	0.00	0.00	0.000	0.000
BASIN 14	0.00	0.00	0.00	0.000	0.000
BASIN 15	0.00	0.00	0.00	0.000	0.000
BASIN 2	0.00	0.00	0.00	0.000	0.000
BASIN 3	0.00	0.00	0.00	0.000	0.000
BASIN 4	0.00	0.00	0.00	0.000	0.000
BASIN 5	0.00	0.00	0.00	0.000	0.000
BASIN 6	0.00	0.00	0.00	0.000	0.000
BASIN 7	0.00	0.00	0.00	0.000	0.000
BASIN 8	0.00	0.00	0.00	0.000	0.000
BASIN 9	0.00	0.00	0.00	0.000	0.000
C1	0.00	0.00	0.00	0.000	0.000
DANIELS SOUTH	0.00	0.00	0.00	0.000	0.000
NG1	0.00	0.00	0.00	0.100	0.000
OFFSITE 1	0.00	0.00	0.00	0.100	0.000
OFFSITE 2	0.00	0.00	0.00	0.100	0.000
PRESERVE 1A	0.00	0.00	0.00	0.000	0.000
PRESERVE 1B	0.00	0.00	0.00	0.000	0.000
PRESERVE 2	0.00	0.00	0.00	0.000	0.000
PRESERVE 2+3	0.00	0.00	0.00	0.000	0.000
PRESERVE 3	0.00	0.00	0.00	0.000	0.000
PRESERVE 4	0.00	0.00	0.00	0.000	0.000
PRESERVE 5	0.00	0.00	0.00	0.000	0.000
PRESERVE 5+6+7	0.00	0.00	0.00	0.000	0.000
SWALE N2	0.00	0.00	0.00	0.100	0.000
SWALE N3	0.00	0.00	0.00	0.100	0.000
SWALE N4	0.00	0.00	0.00	0.100	0.000
SWALE OFF1	0.00	0.00	0.00	0.100	0.000
W1	0.00	0.00	0.00	0.100	0.000
W10	0.00	0.00	0.00	0.100	0.000
W2	0.00	0.00	0.00	0.100	0.000
W3	0.00	0.00	0.00	0.100	0.000
W4	0.00	0.00	0.00	0.100	0.000

Land Cover Zone	% Impervious	% DCIA	% Direct	Ia Impervious [in]	Ia Pervious [in]
W5-W7-W8N	0.00	0.00	0.00	0.100	0.000
W6	0.00	0.00	0.00	0.100	0.000
W9	0.00	0.00	0.00	0.100	0.000

Curve Number: Icpr3 [Set]

Land Cover Zone	Soil Zone	Curve Number [dec]
AirportBasin11	AirportBasin11	95.5
BASIN 1	BASIN 1	92.3
BASIN 10	BASIN 10	93.0
BASIN 11	BASIN 11	91.9
BASIN 12	BASIN 12	89.5
BASIN 13	BASIN 13	92.8
BASIN 14	BASIN 14	93.1
BASIN 15	BASIN 15	92.2
BASIN 2	BASIN 2	91.4
BASIN 3	BASIN 3	91.4
BASIN 4	BASIN 4	92.4
BASIN 5	BASIN 5	91.7
BASIN 6	BASIN 6	92.1
BASIN 7	BASIN 7	91.7
BASIN 8	BASIN 8	91.2
BASIN 9	BASIN 9	92.3
C1	C1	94.7
DANIELS SOUTH	DANIELS SOUTH	97.8
NG1	NG1	98.7
OFFSITE 1	OFFSITE 1	95.9
OFFSITE 2	OFFSITE 2	94.2
PRESERVE 1A	PRESERVE 1A	99.3
PRESERVE 1B	PRESERVE 1B	99.0
PRESERVE 2	PRESERVE 2	97.0
PRESERVE 2+3	PRESERVE 2+3	96.1
PRESERVE 3	PRESERVE 3	97.8
PRESERVE 4	PRESERVE 4	97.8
PRESERVE 5	PRESERVE 5	88.8
PRESERVE 5+6+7	PRESERVE 5+6+7	97.8
SWALE N2	SWALE N2	98.0
SWALE N3	SWALE N3	98.0
SWALE N4	SWALE N4	98.0
SWALE OFF1	SWALE OFF1	98.0
W1	W1	98.1
W10	W10	98.3
W2	W2	98.2
W3	W3	98.3
W4	W4	98.3
W5-W7-W8N	W5-W7-W8N	98.1

Land Cover Zone	Soil Zone	Curve Number [dec]
W6	W6	98.4
W9	W9	98.7

Node: AirportBasin11

Scenario: Icpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 25.00 ft
Warning Stage: 9999.00 ft
Boundary Stage: AirportBasin11

Comment:

Node: BASIN 1

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
25.50	1.3600	59242
26.00	1.4326	62404
26.50	1.5065	65623
27.00	1.5817	68899
27.50	1.6582	72231
27.50	4.5204	196911
9999.00	4.5204	196911

Comment:

Node: BASIN 10

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
25.50	5.4245	236293

Stage [ft]	Area [ac]	Area [ft2]
26.00	5.9055	257243
26.50	6.4020	278872
27.00	6.9141	301180
27.50	7.4418	324166
27.50	26.2224	1142249
9999.00	26.2224	1142249

Comment:

Node: BASIN 11

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
25.50	7.6454	333033
26.00	7.7273	336602
26.50	7.8094	340178
27.00	7.8917	343761
27.50	7.9740	347349
27.50	14.6377	637617
9999.00	14.6377	637617

Comment:

Node: BASIN 12

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
25.50	13.1613	573308
26.00	13.4700	586752
26.50	13.7809	600297
27.00	14.0942	613942
27.50	14.4097	627688
27.50	22.5873	983904
9999.00	22.5873	983904

Comment:

Node: BASIN 13

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
25.50	9.8445	428824
26.00	9.9420	433071
26.50	10.0396	437325
27.00	10.1374	441585
27.50	10.2353	445851
27.50	40.7864	1776655
9999.00	40.7864	1776655

Comment:

Node: BASIN 14

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
25.50	7.8440	341684
26.00	7.9299	345428
26.50	8.0160	349178
27.00	8.1023	352935
27.50	8.1886	356697
27.50	38.0232	1656290
9999.00	38.0232	1656290

Comment:

Node: BASIN 15

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.63 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0001	4

Stage [ft]	Area [ac]	Area [ft2]
23.62	0.0001	4
23.63	0.0284	1237
23.88	0.4169	18162
24.13	1.2809	55795
24.38	2.5895	112799
24.63	4.3951	191450
24.88	7.0752	308198
25.13	8.6515	376860
25.38	9.7255	423645
25.63	11.0292	480431
25.88	11.4408	498360
26.13	11.5928	504981
26.38	11.6690	508302
26.63	11.7000	509651
26.88	11.7167	510381
27.13	11.7251	510747
27.38	11.7310	511002
27.63	11.7346	511159
27.88	11.7350	511176

Comment:

Node: BASIN 2

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
25.50	2.4371	106158
26.00	2.5365	110491
26.50	2.6373	114880
27.00	2.7393	119326
27.50	2.8427	123828
27.50	6.0534	263687
9999.00	6.0534	263687

Comment:

Node: BASIN 3

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
25.50	10.6718	464863
26.00	10.9636	477574
26.50	11.2567	490342
27.00	11.5511	503166
27.50	11.8468	516047
27.50	26.1717	1140038
9999.00	26.1717	1140038

Comment:

Node: BASIN 4

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
25.50	4.1118	179109
26.00	4.2379	184602
26.50	4.3653	190152
27.00	4.4940	195758
27.50	4.6240	201421
27.50	14.1605	616831
9999.00	14.1605	616831

Comment:

Node: BASIN 5

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
25.50	5.8529	254951
26.00	6.0697	264395
26.50	6.2878	273895
27.00	6.5071	283451
27.50	6.7278	293064

Stage [ft]	Area [ac]	Area [ft2]
27.50	15.8086	688624
9999.00	15.8086	688624

Comment:

Node: BASIN 6

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
25.50	4.3195	188155
26.00	4.4459	193662
26.50	4.5736	199225
27.00	4.7026	204845
27.50	4.8329	210521
27.50	13.1192	571472
9999.00	13.1192	571472

Comment:

Node: BASIN 7

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
25.50	13.7828	600378
26.00	14.1755	617485
26.50	14.5708	634706
27.00	14.9688	652040
27.50	15.3693	669486
27.50	36.7530	1600959
9999.00	36.7530	1600959

Comment:

Node: BASIN 8

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
25.50	21.0577	917272
26.00	21.6134	941480
26.50	22.1704	965744
27.00	22.7288	990065
27.50	23.2884	1014443
27.50	49.5131	2156792
9999.00	49.5131	2156792

Comment:

Node: BASIN 9

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
25.50	9.5329	415255
26.00	9.8570	429371
26.50	10.1837	443600
27.00	10.5129	457943
27.50	10.8448	472398
27.50	33.0077	1437816
9999.00	33.0077	1437816

Comment:

Node: BASIN C1

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
25.50	6.3863	278189

Stage [ft]	Area [ac]	Area [ft2]
26.00	6.5400	284883
26.50	6.6944	291606
27.00	6.8493	298357
27.50	7.0050	305137
27.50	29.9057	1302690
9999.00	29.9057	1302690

Comment:

Node: DP DMY 1

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0001	4
9999.00	0.0001	4

Comment:

Node: DUMMY 1

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 24.84 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0001	4
9999.00	0.0001	4

Comment:

Node: DUMMY 2

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 24.84 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0001	4
9999.00	0.0001	4

Comment:

Node: Daniels Road

Scenario: Icpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 9999.00 ft
Warning Stage: 9999.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	9999.00
0	0	0	99999.0000	9999.00

Comment: This is a dummy node used to connect a time vs flow rate curve to nodes internal to the development represnting inflows from the equalizer pipes under daniels parkway.

Node: EB OUTFALL DUMMY

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 24.84 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
9999.00	0.0000	0

Comment:

Node: EB TAILWATER

Scenario: Icpr3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 24.84 ft
Warning Stage: 9999.00 ft
Boundary Stage: EB TAILWATER

Comment:

Node: ENTRANCE DMY 1

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.48 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0001	4
29.00	0.0001	4

Comment:

Node: ENTRANCE DMY 2

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.44 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0001	4
29.00	0.0001	4

Comment:

Node: PRESERVE 1A

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0001	4
22.62	0.0001	4
22.63	0.0502	2188
22.88	0.2268	9880

Stage [ft]	Area [ac]	Area [ft2]
23.13	0.5291	23046
23.38	1.0497	45723
23.63	3.1160	135733
23.88	7.6839	334709
24.13	17.2688	752228
24.38	29.4796	1284130
24.63	40.9868	1785386
24.88	51.6563	2250148
25.13	56.9630	2481310
25.38	60.2321	2623712
25.63	62.6618	2729546
25.88	63.5945	2770175
26.13	64.0319	2789228
26.38	64.3171	2801651
26.63	64.5023	2809719
26.88	64.6086	2814349
27.13	64.6543	2816339
27.38	64.6716	2817094
27.63	64.6787	2817404
27.88	64.6803	2817474
28.13	64.6805	2817481

Comment:

Node: PRESERVE 1B

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0001	4
21.72	0.0001	4
21.73	0.0111	484
21.98	0.0446	1944
22.23	0.1629	7096
22.48	0.3139	13671
22.73	0.8109	35321
22.98	1.6878	73522
23.23	2.8556	124389
23.48	7.7605	338049
23.73	21.2003	923484
23.98	41.6355	1813640
24.23	58.2465	2537217
24.48	73.5994	3205991

Stage [ft]	Area [ac]	Area [ft2]
24.73	90.7998	3955238
24.98	124.6139	5428180
25.23	158.2022	6891286
25.48	174.8214	7615222
25.73	185.4020	8076112
25.98	192.0094	8363929
26.23	195.0936	8498275
26.48	196.2278	8547683
26.73	196.4727	8558351
26.98	196.5424	8561388
27.23	196.5643	8562342
27.48	196.5698	8562583
27.73	196.5724	8562695
27.98	196.5731	8562726

Comment:

Node: PRESERVE 2

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.61 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0001	4
23.22	0.0001	4
23.23	0.0145	630
23.48	0.1888	8222
23.73	0.4170	18162
23.98	0.6612	28802
24.23	1.0275	44760
24.48	3.1281	136260
24.73	5.9872	260801
24.98	7.2182	314423
25.23	8.0088	348863
25.48	10.6602	464359
25.73	14.8228	645682
25.98	16.7964	731650
26.23	17.3976	757841
26.48	17.5847	765990
26.73	17.6926	770689
26.98	17.7651	773846
27.23	17.8138	775967
27.48	17.8435	777264
27.73	17.8586	777920

Stage [ft]	Area [ac]	Area [ft2]
27.98	17.8626	778094
28.23	17.8627	778100

Comment:

Node: PRESERVE 2+3

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.32 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0001	4
22.92	0.0001	4
22.93	0.0040	174
23.18	0.0210	913
23.43	0.0501	2184
23.68	0.1179	5136
23.93	0.3135	13654
24.18	0.8193	35691
24.43	2.0198	87983
24.68	5.3608	233515
24.93	15.8533	690569
25.18	34.9585	1522793
25.43	48.9483	2132187
25.68	59.3169	2583845
25.93	65.6245	2858604
26.18	69.0900	3009560
26.43	70.9959	3092580
26.68	72.1050	3140896
26.93	72.6657	3165317
27.18	72.8544	3173538
27.43	72.9085	3175895
27.68	72.9237	3176558
27.93	72.9256	3176637

Comment:

Node: PRESERVE 3

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.16 ft

Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0001	4
20.32	0.0001	4
20.33	0.0005	24
20.58	0.0030	132
20.83	0.0105	457
21.08	0.0183	797
21.33	0.0277	1206
21.58	0.0372	1621
21.83	0.0483	2104
22.08	0.0977	4256
22.33	0.7444	32427
22.58	3.3260	144881
22.83	5.4895	239123
23.08	7.0333	306369
23.33	10.8144	471073
23.58	17.5553	764710
23.83	26.9050	1171984
24.08	34.5027	1502938
24.33	39.5631	1723367
24.58	43.6791	1902661
24.83	47.7253	2078915
25.08	52.3568	2280664
25.33	56.4566	2459248
25.58	59.1891	2578279
25.83	60.4326	2632443
26.08	61.1238	2662552
26.33	61.5897	2682846
26.58	61.9113	2696855
26.83	62.1249	2706161
27.08	62.2749	2712696
27.33	62.3694	2716811
27.58	62.4207	2719047
27.83	62.4481	2720239
28.08	62.4630	2720888
28.33	62.4702	2721201
28.58	62.4756	2721438
28.83	62.4803	2721642
29.08	62.4846	2721831
29.33	62.4888	2722012
29.58	62.4927	2722182
29.83	62.4963	2722340
30.08	62.4997	2722487
30.33	62.5028	2722622
30.58	62.5051	2722724
30.83	62.5074	2722822
31.08	62.5093	2722907
31.33	62.5109	2722976

Stage [ft]	Area [ac]	Area [ft2]
31.58	62.5123	2723035
31.83	62.5136	2723091
32.08	62.5143	2723123
32.33	62.5145	2723131

Comment:

Node: PRESERVE 4

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.00 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0001	4
20.42	0.0001	4
20.43	0.0002	9
20.68	0.0013	55
20.93	0.0101	438
21.18	0.0402	1750
21.43	0.1726	7517
21.68	0.4917	21417
21.93	2.8642	124765
22.18	8.0513	350713
22.43	11.5521	503211
22.68	14.0054	610077
22.93	15.7263	685039
23.18	17.0785	743939
23.43	18.4449	803460
23.68	19.9052	867071
23.93	21.8866	953378
24.18	26.6630	1161441
24.43	35.4982	1546302
24.68	46.3111	2017311
24.93	55.0702	2398859
25.18	58.6283	2553848
25.43	60.8409	2650229
25.68	62.9633	2742680
25.93	64.6479	2816064
26.18	65.7064	2862169
26.43	66.1616	2881998
26.68	66.3779	2891419
26.93	66.4893	2896273
27.18	66.5336	2898202
27.43	66.5480	2898831

Stage [ft]	Area [ac]	Area [ft2]
27.68	66.5520	2899005
27.93	66.5543	2899104
28.18	66.5559	2899176
28.43	66.5572	2899231
28.68	66.5580	2899266
28.93	66.5583	2899279
29.18	66.5583	2899279

Comment:

Node: PRESERVE 5

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.08 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0001	4
22.82	0.0001	4
22.83	0.0030	129
23.08	0.0168	733
23.33	0.0519	2262
23.58	0.1570	6839
23.83	0.4203	18310
24.08	1.3486	58743
24.33	4.8102	209533
24.58	11.7512	511884
24.83	22.5525	982386
25.08	36.1871	1576309
25.33	53.5380	2332117
25.58	64.1392	2793904
25.83	67.1915	2926861
26.08	68.8343	2998420
26.33	69.9481	3046941
26.58	70.5828	3074587
26.83	70.9472	3090461
27.08	71.1320	3098511
27.33	71.2431	3103348
27.58	71.3011	3105874
27.83	71.3442	3107752
28.08	71.3711	3108925
28.33	71.3796	3109293
28.58	71.3803	3109326
28.83	71.3804	3109331
29.08	71.3804	3109331

Comment:

Node: PRESERVE 5+6+7

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 24.84 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0001	4
21.32	0.0001	4
21.33	0.0295	1285
21.58	0.9179	39985
21.83	1.8110	78889
22.08	3.1854	138757
22.33	4.6246	201446
22.58	6.1222	266682
22.83	7.8787	343195
23.08	20.3830	887882
23.33	33.5073	1459578
23.58	43.7079	1903918
23.83	52.2254	2274937
24.08	61.3363	2671811
24.33	69.7047	3036337
24.58	80.2236	3494539
24.83	91.1508	3970530
25.08	99.5617	4336906
25.33	104.2366	4540548
25.58	107.2245	4670700
25.83	109.7811	4782064
26.08	111.5128	4857499
26.33	112.5954	4904658
26.58	113.4901	4943629
26.83	114.1864	4973961
27.08	114.5538	4989962
27.33	114.7278	4997542
27.58	114.7946	5000451
27.83	114.8199	5001553
28.08	114.8359	5002251
28.33	114.8380	5002343

Comment:

Node: Swale N2

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.00 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
22.00	0.0001	4
9999.00	0.0001	4

Comment:

Node: Swale N3

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.00 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0001	4
9999.00	0.0001	4

Comment:

Node: Swale N4

Scenario: Icpr3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.00 ft
Warning Stage: 9999.00 ft

Comment:

Node: TC COMMERCIAL

Scenario: Icpr3
Type: Stage/Volume
Base Flow: 0.00 cfs
Initial Stage: 25.00 ft
Warning Stage: 9999.00 ft

Stage [ft]	Volume [ac-ft]	Volume [ft3]
20.30	0.00	0
20.40	0.00	2
20.50	0.00	31
20.60	0.00	115
20.70	0.01	269
20.80	0.01	499
20.90	0.02	835
21.00	0.03	1296
21.10	0.04	1880
21.20	0.06	2582
21.30	0.08	3412
21.40	0.10	4386
21.50	0.13	5535
21.60	0.16	6877
21.70	0.19	8411
21.80	0.23	10146
21.90	0.28	12120
22.00	0.33	14363
22.10	0.39	16888
22.20	0.45	19730
22.30	0.53	22951
22.40	0.61	26588
22.50	0.70	30663
22.60	0.81	35198
22.70	0.92	40276
22.80	1.06	46055
22.90	1.21	52655
23.00	1.38	60315
23.10	1.59	69163
23.20	1.82	79169
23.30	2.07	90340
23.40	2.36	102736
23.50	2.67	116313
23.60	3.01	131014
23.70	3.37	146832
23.80	3.76	163787
23.90	4.18	181930
24.00	4.62	201361
24.10	5.10	222199
24.20	5.61	244413
24.30	6.16	268309
24.40	6.76	294503
24.50	7.42	323168
24.60	8.15	355110
24.70	9.01	392328
24.80	9.99	435150
24.90	11.12	484221
25.00	12.40	540003

Stage [ft]	Volume [ac-ft]	Volume [ft3]
25.10	13.86	603646
25.20	15.53	676604
25.30	17.44	759877
25.40	19.62	854767
25.50	22.08	961713
25.60	24.78	1079351
25.70	27.67	1205304
25.80	30.73	1338568
25.90	33.97	1479666
26.00	37.38	1628324
26.10	40.91	1782246
26.20	44.52	1939479
26.30	48.19	2099086
26.40	51.89	2260352
26.50	55.62	2422768
26.60	59.37	2585987
26.70	63.13	2749787
26.80	66.90	2914054
26.90	70.68	3078743
27.00	74.47	3243829
27.10	78.27	3409272
27.20	82.07	3575064
27.30	85.89	3741195
27.40	89.71	3907670
27.50	93.54	4074517
27.60	97.38	4241752
27.70	101.22	4409338
27.80	105.08	4577233
27.90	108.94	4745416
28.00	112.81	4913885
28.10	116.68	5082642
28.20	120.56	5251676
28.30	124.45	5420962
28.40	128.34	5590479
28.50	132.24	5760208
28.60	136.14	5930141
28.70	140.04	6100272
28.80	143.95	6270598
28.90	147.87	6441113
29.00	151.79	6611802
29.10	155.71	6782658
29.20	159.63	6953673
29.30	163.56	7124843
29.40	167.50	7296159
29.50	171.43	7467613
29.60	175.37	7639201
29.70	179.31	7810922
29.80	183.26	7982777
29.90	187.21	8154764

Stage [ft]	Volume [ac-ft]	Volume [ft3]
30.00	191.16	8326886
30.10	195.11	8499149
30.20	199.07	8671561
30.30	203.03	8844136
30.40	207.00	9016885
30.50	210.97	9189813
30.60	214.94	9362913
30.70	218.92	9536169
30.80	222.90	9709563
30.90	226.88	9883076
31.00	230.87	10056695
31.10	234.86	10230411
31.20	238.85	10404208
31.30	242.84	10578077
31.40	246.83	10752008
31.50	250.83	10925992
31.60	254.82	11100024
31.70	258.82	11274091
31.80	262.81	11448183
31.90	266.81	11622294
32.00	270.81	11796415
32.10	274.81	11970541
32.20	278.80	12144669
32.30	282.80	12318798
32.40	286.80	12492926
32.50	290.80	12667055
32.60	294.79	12841184
32.70	298.79	13015312
32.80	302.79	13189441
32.90	306.79	13363569
33.00	310.78	13537698
33.10	314.78	13711827
33.20	318.78	13885955
33.30	322.78	14060084
33.40	326.77	14234212
33.50	330.77	14408341
33.60	334.77	14582470
33.70	338.76	14756598
33.80	342.76	14930727
33.90	346.76	15104855
34.00	350.76	15278984

Comment:

Node: TC TAILWATER

Scenario: Icpr3

Type:	Time/Stage
Base Flow:	0.00 cfs
Initial Stage:	25.00 ft
Warning Stage:	9999.00 ft
Boundary Stage:	TC TAILWATER

Comment:

Channel Link: CH-DMY1-DMY2		Upstream		Downstream	
Scenario:	Icpr3	Invert:	23.41 ft	Invert:	23.16 ft
From Node:	DUMMY 1	Manning's N:	0.0210	Manning's N:	0.0210
To Node:	DUMMY 2	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	999.00 ft	Max Depth:	999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	2.00 ft	Bottom Width:	2.00 ft
Length:	289.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.20	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.20	Op Table:		Op Table:	
Bend Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH-PR1A-DP DMY 1		Upstream		Downstream	
Scenario:	Icpr3	Invert:	25.50 ft	Invert:	25.50 ft
From Node:	PRESERVE 1A	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	DP DMY 1	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0100 ft	Bottom Width:	10.00 ft	Bottom Width:	10.00 ft
Length:	2035.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	1.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			

	Default: 0.00 ft		Default: 0.00 ft
	Op Table:		Op Table:
	Ref Node:		Ref Node:
	Manning's N: 0.0000		Manning's N: 0.0000

Comment:

Channel Link: CH-SWN2-SWN3		Upstream		Downstream	
Scenario:	Icpr3	Invert:	23.35 ft	Invert:	23.35 ft
From Node:	Swale N2	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	Swale N3	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	1276.49 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.10	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0300	Manning's N:	0.0300
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0300	Manning's N:	0.0300

Comment:

Channel Link: CH-SWN3-SWN4		Upstream		Downstream	
Scenario:	Icpr3	Invert:	23.35 ft	Invert:	23.35 ft
From Node:	Swale N3	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	Swale N4	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	1719.15 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.10	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0300	Manning's N:	0.0300
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	

		Manning's N:	0.0300	Manning's N:	0.0300

Comment:

Channel Link: CH-SWN4-TC OUTFALL		Upstream		Downstream	
Scenario:	Icpr3	Invert:	23.35 ft	Invert:	23.35 ft
From Node:	Swale N4	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	TC TAILWATER	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	70.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.10	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0300	Manning's N:	0.0300
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0300	Manning's N:	0.0300

Comment:

Channel Link: CH-TC COM-SWN2		Upstream		Downstream	
Scenario:	Icpr3	Invert:	23.35 ft	Invert:	23.35 ft
From Node:	TC COMMERCIAL	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	Swale N2	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	1264.66 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.10	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0300	Manning's N:	0.0300
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0300	Manning's N:	0.0300

Comment: CH-SW1-SW2

Channel Link: CH-WETLAND 1-ENT DMY 1		Upstream		Downstream	
		Invert:	25.50 ft	Invert:	25.50 ft
Scenario:	Icpr3	Manning's N:	0.0500	Manning's N:	0.0500
From Node:	PRESERVE 1A	Geometry: Trapezoidal		Geometry: Trapezoidal	
To Node:	ENTRANCE DMY 1	Max Depth:	999.00 ft	Max Depth:	999.00 ft
Link Count:	1	Extrapolation:	Normal	Extrapolation:	Normal
Flow Direction:	Both	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Damping:	0.0000 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Length:	440.00 ft	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Contraction Coef:	0.00	Bottom Clip			
Expansion Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Channel Link: CH-WETLAND 2- ENT DMY 2		Upstream		Downstream	
		Invert:	25.50 ft	Invert:	25.50 ft
Scenario:	Icpr3	Manning's N:	0.0500	Manning's N:	0.0500
From Node:	ENTRANCE DMY 2	Geometry: Trapezoidal		Geometry: Trapezoidal	
To Node:	PRESERVE 1B	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Link Count:	1	Extrapolation:	Normal	Extrapolation:	Normal
Flow Direction:	Both	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Damping:	0.0100 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Length:	1814.00 ft	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Contraction Coef:	0.00	Bottom Clip			
Expansion Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec	Top Clip			
Energy Switch:	Energy	Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: P-BASIN 1-BASIN 3		Upstream		Downstream	
Scenario:	Icpr3	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	BASIN 1	Manning's N:	0.0120	Manning's N:	0.0120

To Node:	BASIN 3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0010 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-BASIN 11-BASIN 9		Upstream		Downstream	
Scenario:	Icpr3	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	BASIN 11	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	BASIN 9	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0010 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	1860.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-BASIN 12-BASIN 11		Upstream		Downstream	
Scenario:	Icpr3	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	BASIN 12	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	BASIN 11	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0010 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-BASIN 13-BASIN 7		Upstream		Downstream	
Scenario:	Icpr3	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	BASIN 13	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	BASIN 7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0010 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	3300.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-BASIN 14-BASIN 13		Upstream		Downstream	
Scenario:	Icpr3	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	BASIN 14	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	BASIN 13	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0010 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-BASIN 2-BASIN 3		Upstream		Downstream	
Scenario:	Icpr3	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	BASIN 2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	BASIN 3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft

Flow Direction:	Both		Bottom Clip		
Damping:	0.0010 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-BASIN 3-BASIN 4		Upstream		Downstream	
Scenario:	Icpr3	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	BASIN 3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	BASIN 4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0010 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-BASIN 3-BASIN 5		Upstream		Downstream	
Scenario:	Icpr3	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	BASIN 3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	BASIN 5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both		Bottom Clip		
Damping:	0.0010 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50		Top Clip		
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-BASIN 3-BASIN 6		Upstream		Downstream	
Scenario:	Icpr3	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	BASIN 3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	BASIN 6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0010 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: P-BASIN 4-BASIN 7		Upstream		Downstream	
Scenario:	Icpr3	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	BASIN 4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	BASIN 7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0010 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: P-BASIN 5-BASIN 8		Upstream		Downstream	
Scenario:	Icpr3	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	BASIN 5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	BASIN 8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0010 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			

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

Comment:

Pipe Link: P-BASIN 6-BASIN 8		Upstream		Downstream	
Scenario:	Icpr3	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	BASIN 6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	BASIN 8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0010 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-BASIN 7-BASIN 8		Upstream		Downstream	
Scenario:	Icpr3	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	BASIN 7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	BASIN 8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0010 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-BASIN 7-BASIN 9		Upstream		Downstream	
Scenario:	Icpr3	Invert:	19.00 ft	Invert:	19.00 ft

From Node:	BASIN 7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	BASIN 9	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0010 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-BASIN 8-BASIN 9		Upstream		Downstream	
Scenario:	Icpr3	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	BASIN 8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	BASIN 9	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0010 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-EB OUTFALL-EB TW		Upstream		Downstream	
Scenario:	Icpr3	Invert:	21.95 ft	Invert:	21.84 ft
From Node:	EB OUTFALL	Manning's N:	0.0120	Manning's N:	0.0120
	DUMMY	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
To Node:	EB TAILWATER	Max Depth:	3.17 ft	Max Depth:	3.17 ft
Link Count:	2	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0001 ft	Op Table:		Op Table:	
Length:	36.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	

Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: P-ENT DMY 1- ENT DMY 2		Upstream		Downstream	
Scenario:	Icpr3	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	ENTRANCE DMY 1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	ENTRANCE DMY 2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0100 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	150.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: P-PR1A-PR1B		Upstream		Downstream	
Scenario:	Icpr3	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	PRESERVE 1A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PRESERVE 1B	Geometry: Circular		Geometry: Circular	
Link Count:	3	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0010 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	250.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: P-PR2-PR2+3		Upstream		Downstream	
Scenario:	Icpr3	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	PRESERVE 2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PRESERVE 2+3	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0010 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Originally named "P-WETLAND 4-WETLAND 5"

Pipe Link: P-PR5-DMY1		Upstream		Downstream	
Scenario:	Icpr3	Invert:	23.12 ft	Invert:	23.41 ft
From Node:	PRESERVE 5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	DUMMY 1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0010 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	31.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P1-PR5+6+7-EB TW DMY		Upstream		Downstream	
Scenario:	Icpr3	Invert:	23.65 ft	Invert:	23.75 ft
From Node:	PRESERVE 5+6+7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EB OUTFALL	Geometry: Circular		Geometry: Circular	
	DUMMY	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	2	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0001 ft	Op Table:		Op Table:	
Length:	31.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P2-PR5+6+7-EB TW DMY		Upstream		Downstream	
Scenario:	Icpr3	Invert:	24.16 ft	Invert:	24.14 ft
From Node:	PRESERVE 5+6+7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EB OUTFALL	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
	DUMMY	Max Depth:	2.83 ft	Max Depth:	2.83 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0001 ft	Op Table:		Op Table:	
Length:	31.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P3-DS-PR5+6+7-EB TW DMY		Upstream		Downstream	
Scenario:	Icpr3	Invert:	23.41 ft	Invert:	23.41 ft
From Node:	PRESERVE 5+6+7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EB OUTFALL	Geometry: Circular		Geometry: Circular	
	DUMMY	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0001 ft	Op Table:		Op Table:	
Length:	31.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P4-PR5+6+7-EB TW DMY		Upstream		Downstream	
Scenario:	Icpr3	Invert:	22.84 ft	Invert:	22.76 ft
From Node:	PRESERVE 5+6+7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EB OUTFALL	Geometry: Circular		Geometry: Circular	
	DUMMY	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			

Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0001 ft	Op Table:		Op Table:	
Length:	31.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P5-PR5+6+7-EB TW DMY		Upstream		Downstream	
Scenario:	Icpr3	Invert:	22.75 ft	Invert:	22.68 ft
From Node:	PRESERVE 5+6+7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EB OUTFALL	Geometry: Circular		Geometry: Circular	
	DUMMY	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0001 ft	Op Table:		Op Table:	
Length:	31.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Weir Link: OW-BASIN15-PR2+3			
Scenario:	Icpr3	Bottom Clip	
From Node:	BASIN 15	Default:	0.00 ft
To Node:	PRESERVE 2+3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0010 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	25.27 ft	Discharge Coefficients	
Control Elevation:	25.63 ft	Weir Default:	2.800
Cross Section:	B15 TO WETLAND 2	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment: Orginally named "OW-W3-W5".

Weir Link: OW-PR2+3-PR3

Scenario:	Icpr3
From Node:	PRESERVE 2+3
To Node:	PRESERVE 3
Link Count:	1
Flow Direction:	Both
Damping:	0.0010 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	25.37 ft
Control Elevation:	25.37 ft
Cross Section:	OW-W5-W6

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: Orginally named "OW-W5-W6".

Weir Link: OW-PR3-PR4

Scenario:	Icpr3
From Node:	PRESERVE 3
To Node:	PRESERVE 4
Link Count:	1
Flow Direction:	Both
Damping:	0.0010 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	25.20 ft
Control Elevation:	25.20 ft
Cross Section:	W6-W7

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: Orginally named "OW-W6-W7".

Weir Link: OW-PR4-PR5+6+7

Scenario:	Icpr3
From Node:	PRESERVE 4
To Node:	PRESERVE 5+6+7
Link Count:	1
Flow Direction:	Both
Damping:	0.0010 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	25.27 ft
Control Elevation:	25.27 ft
Cross Section:	W7-W8

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600

	Orifice Table:

Comment:

Weir Link: OW-PR5+6+7-EB TW DMY

Scenario:	Icpr3
From Node:	PRESERVE 5+6+7
To Node:	EB TAILWATER
Link Count:	1
Flow Direction:	Both
Damping:	0.0010 ft
Weir Type:	Gravel Road Vertical
Geometry Type:	Irregular
Invert:	25.20 ft
Control Elevation:	25.20 ft
Cross Section:	OW-W7-EB TW DMY

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: OW-PR5-PR4

Scenario:	Icpr3
From Node:	PRESERVE 5
To Node:	PRESERVE 4
Link Count:	1
Flow Direction:	Both
Damping:	0.0010 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	25.12 ft
Control Elevation:	25.12 ft
Cross Section:	OW-PRESERVE 1-WETLAND 8

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: OW-PR5-PR5+6+7

Scenario:	Icpr3
From Node:	PRESERVE 5
To Node:	PRESERVE 5+6+7
Link Count:	1
Flow Direction:	Both

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	

Damping:	0.0010 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	25.12 ft
Control Elevation:	25.12 ft
Cross Section:	OW-PRESERVE 1-WETLAND 8

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Drop Structure Link: DS-BASIN 10-PR1A

Scenario:	Icpr3
From Node:	BASIN 10
To Node:	PRESERVE 1A
Link Count:	1
Flow Direction:	Both
Solution:	Combine
Increments:	0
Pipe Count:	1
Damping:	0.0010 ft
Length:	350.00 ft
FHWA Code:	1
Entr Loss Coef:	0.20
Exit Loss Coef:	0.50
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Upstream Pipe	
Invert:	19.00 ft
Manning's N:	0.0120
Geometry: Circular	
Max Depth:	4.00 ft
Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Downstream Pipe	
Invert:	19.00 ft
Manning's N:	0.0120
Geometry: Circular	
Max Depth:	4.00 ft
Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Pipe Comment:

Weir Component

Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0100 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	25.50 ft
Control Elevation:	25.50 ft
Max Depth:	0.25 ft
Max Width:	0.69 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

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

Weir Comment:

Weir Component

Weir:	2
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0100 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	26.42 ft
Control Elevation:	25.50 ft
Max Depth:	0.45 ft
Max Width:	0.44 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Weir Component

Weir:	3
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	28.10 ft
Control Elevation:	25.50 ft
Max Depth:	999.00 ft
Max Width:	15.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment: Originally named "DS-BASIN 10-WETLAND 1"

Drop Structure Link: DS-BASIN 11-PR3		Upstream Pipe		Downstream Pipe	
Scenario:	Icpr3	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	BASIN 11	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PRESERVE 3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0010 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	350.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.20	Op Table:		Op Table:	

Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0100 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	26.15 ft	Ref Node:	
Control Elevation:	25.50 ft	**Discharge Coefficients**	
Max Depth:	0.50 ft	Weir Default:	3.200
Max Width:	2.69 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Weir Component		Bottom Clip	
Weir:	2	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	28.00 ft	Ref Node:	
Control Elevation:	25.50 ft	**Discharge Coefficients**	
Max Depth:	999.00 ft	Weir Default:	3.200
Max Width:	15.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment: Originally named "DS-BASIN 11-WETLAND 6".

Drop Structure Link: DS-BASIN 14-PR4		Upstream Pipe		Downstream Pipe	
Scenario:	Icpr3	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	BASIN 14	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PRESERVE 4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft

Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0010 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	350.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.20	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	26.15 ft	Op Table:	
Control Elevation:	25.50 ft	Ref Node:	
Max Depth:	0.50 ft	Discharge Coefficients	
Max Width:	2.69 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Weir Component			
Weir:	2	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	28.00 ft	Op Table:	
Control Elevation:	25.50 ft	Ref Node:	
Max Depth:	999.00 ft	Discharge Coefficients	
Max Width:	15.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment: Originally named "DS- BASIN 14 - WETLAND 7".

Drop Structure Link: DS-BASIN 8-PR1A	Upstream Pipe	Downstream Pipe

Scenario:	Icpr3	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	BASIN 8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PRESERVE 1A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0010 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	350.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.20	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0100 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	25.50 ft	Ref Node:	
Control Elevation:	25.50 ft	Discharge Coefficients	
Max Depth:	0.25 ft	Weir Default:	3.200
Max Width:	3.23 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Weir Component		Bottom Clip	
Weir:	2	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	28.00 ft	Ref Node:	
Control Elevation:	25.50 ft	Discharge Coefficients	
Max Depth:	999.00 ft	Weir Default:	3.200
Max Width:	15.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment: Originally named "DS-BASIN 8-WETLAND 1"

Drop Structure Link: DS-BASIN 9-PR2+3		Upstream Pipe		Downstream Pipe	
Scenario:	Icpr3	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	BASIN 9	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PRESERVE 2+3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0010 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	350.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.20	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0100 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	25.50 ft	Ref Node:	
Control Elevation:	25.50 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	3.200
Max Width:	2.69 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Weir Component		Bottom Clip	
Weir:	2	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	28.00 ft	Ref Node:	
Control Elevation:	25.50 ft	Discharge Coefficients	
Max Depth:	999.00 ft		

Max Width:	15.00 ft
Fillet:	0.00 ft

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment: Originally named "DS-BASIN 9-WETLAND 5".

Drop Structure Link: DS-BASIN C1-BASIN 2	
Scenario:	Icpr3
From Node:	BASIN C1
To Node:	BASIN 2
Link Count:	1
Flow Direction:	Both
Solution:	Combine
Increments:	0
Pipe Count:	1
Damping:	0.0010 ft
Length:	350.00 ft
FHWA Code:	1
Entr Loss Coef:	0.20
Exit Loss Coef:	0.50
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Upstream Pipe	
Invert:	19.00 ft
Manning's N:	0.0120
Geometry: Circular	
Max Depth:	3.00 ft
Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Downstream Pipe	
Invert:	19.00 ft
Manning's N:	0.0120
Geometry: Circular	
Max Depth:	3.00 ft
Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Pipe Comment:

Weir Component	
Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0100 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	25.50 ft
Control Elevation:	25.50 ft
Max Depth:	0.50 ft
Max Width:	1.23 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS-DMY2-EB TW		Upstream Pipe		Downstream Pipe	
Scenario:	Icpr3	Invert:	23.16 ft	Invert:	23.36 ft
From Node:	DUMMY 2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EB TAILWATER	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	2.83 ft	Max Depth:	2.83 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0010 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	31.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.20	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	25.50 ft	Ref Node:	
Control Elevation:	25.50 ft	Discharge Coefficients	
Max Depth:	999.00 ft	Weir Default:	3.200
Max Width:	999.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS-DP DMY 1-TC COMMERCIAL		Upstream Pipe		Downstream Pipe	
		Invert:	22.23 ft	Invert:	22.23 ft
Scenario:	Icpr3	Manning's N:	0.0140	Manning's N:	0.0140
From Node:	DP DMY 1	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
To Node:	TC COMMERCIAL	Max Depth:	1.58 ft	Max Depth:	1.58 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000

Damping:	0.0010 ft	Top Clip			
Length:	187.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	30	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	1.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.50				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0100 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	25.50 ft	Op Table:	
Control Elevation:	25.50 ft	Ref Node:	
Max Depth:	999.00 ft	Discharge Coefficients	
Max Width:	999.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS-PR1A-SWALE N2		Upstream Pipe		Downstream Pipe	
Scenario:	Icpr3	Invert:	22.53 ft	Invert:	22.53 ft
From Node:	PRESERVE 1A	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	Swale N2	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	1.58 ft	Max Depth:	1.58 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0010 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	195.00 ft	Top Clip			
FHWA Code:	30	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0100 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	25.50 ft	Ref Node:	
Control Elevation:	25.50 ft	**Discharge Coefficients**	
Max Depth:	9999.00 ft	Weir Default:	3.200
Max Width:	9999.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS-PR1A-SWALE N3		Upstream Pipe		Downstream Pipe	
Scenario:	Icpr3	Invert:	22.36 ft	Invert:	22.34 ft
From Node:	PRESERVE 1A	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	Swale N3	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	1.17 ft	Max Depth:	1.17 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0010 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	206.00 ft	Top Clip			
FHWA Code:	30	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	25.50 ft	Ref Node:	
Control Elevation:	25.50 ft	**Discharge Coefficients**	
Max Depth:	9999.00 ft		

Max Width:	9999.00 ft		
Fillet:	0.00 ft	Weir Default:	3.200
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS-PR1B-PR2+3		Upstream Pipe		Downstream Pipe	
Scenario:	Icpr3	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	PRESERVE 1B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	PRESERVE 2+3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0010 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	1650.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.20	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0100 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	25.81 ft	Op Table:	
Control Elevation:	25.50 ft	Ref Node:	
Max Depth:	9999.00 ft	Discharge Coefficients	
Max Width:	15.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS-PR1B-SWALE N4		Upstream Pipe		Downstream Pipe	
Scenario:	Icpr3	Invert:	24.08 ft	Invert:	24.11 ft
From Node:	PRESERVE 1B	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	Swale N4	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	1.17 ft	Max Depth:	1.17 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0010 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	204.00 ft	Top Clip			
FHWA Code:	30	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	25.50 ft	Op Table:	
Control Elevation:	25.00 ft	Ref Node:	
Max Depth:	9999.00 ft	Discharge Coefficients	
Max Width:	9999.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS1-PR1B-AIRPORT BASIN 11		Upstream Pipe		Downstream Pipe	
		Invert:	23.50 ft	Invert:	23.50 ft
Scenario:	Icpr3	Manning's N:	0.0140	Manning's N:	0.0140
From Node:	PRESERVE 1B	Geometry: Circular		Geometry: Circular	
To Node:	AirportBasin11	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000

Damping:	0.0010 ft
Length:	52.00 ft
FHWA Code:	1
Entr Loss Coef:	0.50
Exit Loss Coef:	1.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Pipe Comment:

Weir Component	
Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	25.50 ft
Control Elevation:	25.50 ft
Max Depth:	999.00 ft
Max Width:	999.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS1-PR1B-TIMBER CREEK OUTFALL	
Scenario:	Icpr3
From Node:	PRESERVE 1B
To Node:	TC TAILWATER
Link Count:	1
Flow Direction:	Both
Solution:	Combine
Increments:	0
Pipe Count:	1
Damping:	0.0010 ft
Length:	160.00 ft
FHWA Code:	30
Entr Loss Coef:	0.50
Exit Loss Coef:	1.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Upstream Pipe		Downstream Pipe	
Invert:	24.74 ft	Invert:	23.88 ft
Manning's N:	0.0140	Manning's N:	0.0140
Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Max Depth:	1.17 ft	Max Depth:	1.17 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	25.50 ft	Ref Node:	
Control Elevation:	25.00 ft	Discharge Coefficients	
Max Depth:	9999.00 ft	Weir Default:	3.200
Max Width:	9999.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS2-PR1B-AIRPORT BASIN 11		Upstream Pipe		Downstream Pipe	
Scenario:	Icpr3	Invert:	23.50 ft	Invert:	23.50 ft
From Node:	PRESERVE 1B	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	AirportBasin11	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip		Bottom Clip	
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0010 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	36.00 ft	Top Clip		Top Clip	
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	25.50 ft		

Control Elevation:	25.50 ft
Max Depth:	999.00 ft
Max Width:	999.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS2-PR1B-TIMBER CREEK OUTFALL		Upstream Pipe		Downstream Pipe	
Scenario:	Icpr3	Invert:	24.26 ft	Invert:	24.25 ft
From Node:	PRESERVE 1B	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	TC TAILWATER	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	1.17 ft	Max Depth:	1.17 ft
Flow Direction:	Both	Bottom Clip		Bottom Clip	
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	2	Ref Node:		Ref Node:	
Damping:	0.0010 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	177.00 ft	Top Clip		Top Clip	
FHWA Code:	30	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	25.50 ft	Op Table:	
Control Elevation:	25.00 ft	Ref Node:	
Max Depth:	9999.00 ft	Discharge Coefficients	
Max Width:	9999.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS3-PR1B-AIRPORT		Upstream Pipe		Downstream Pipe	
BASIN 11		Invert:	23.50 ft	Invert:	23.50 ft
Scenario:	Icpr3	Manning's N:	0.0140	Manning's N:	0.0140
From Node:	PRESERVE 1B	Geometry: Circular		Geometry: Circular	
To Node:	AirportBasin11	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0010 ft	Top Clip			
Length:	33.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	1	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	1.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	25.50 ft	Ref Node:	
Control Elevation:	25.50 ft	Discharge Coefficients	
Max Depth:	999.00 ft	Weir Default:	3.200
Max Width:	999.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS4-PR1B-AIRPORT		Upstream Pipe		Downstream Pipe	
BASIN 11		Invert:	23.50 ft	Invert:	23.50 ft
Scenario:	Icpr3	Manning's N:	0.0140	Manning's N:	0.0140
From Node:	PRESERVE 1B	Geometry: Circular		Geometry: Circular	
To Node:	AirportBasin11	Max Depth:	2.00 ft	Max Depth:	2.00 ft

Link Count:	1
Flow Direction:	Both
Solution:	Combine
Increments:	0
Pipe Count:	1
Damping:	0.0010 ft
Length:	31.00 ft
FHWA Code:	1
Entr Loss Coef:	0.50
Exit Loss Coef:	1.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Pipe Comment:

Weir Component

Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	25.50 ft
Control Elevation:	25.50 ft
Max Depth:	999.00 ft
Max Width:	999.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Rating Curve Link: CS1-DRD-N3

Scenario:	Icpr3
From Node:	Daniels Road
To Node:	Swale N3
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-12	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS1-DRD-N4

Scenario: Icpr3
From Node: Daniels Road
To Node: Swale N4
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-11	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS1-DRD-TC COM

Scenario: Icpr3
From Node: Daniels Road
To Node: TC COMMERCIAL
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-14	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS1-DRD-TC OUTFALL

Scenario: Icpr3
From Node: Daniels Road
To Node: TC TAILWATER
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-7	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS1-DS1-DRD

Scenario: Icpr3
From Node: Daniels Road
To Node: PRESERVE 1B
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-9	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS2-DRD-TC COM

Scenario: Icpr3
From Node: Daniels Road
To Node: TC COMMERCIAL
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-15	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS2-DRD-TC OUTFALL

Scenario: Icpr3
From Node: Daniels Road
To Node: TC TAILWATER
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-8	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS2-DS1-DRD

Scenario: Icpr3
From Node: Daniels Road
To Node: PRESERVE 1A
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-13	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS3-DRD-TC COM

Scenario: Icpr3
From Node: Daniels Road
To Node: TC COMMERCIAL
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-16	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS3-DRD-TC OUTFALL

Scenario: Icpr3
From Node: Daniels Road
To Node: TC TAILWATER
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-10	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Weir Cross Section: B15 TO WETLAND 2

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	26.31
2	4.31	26.01
3	9.51	25.74
4	13.05	25.69
5	19.64	25.75
6	28.73	25.64
7	29.77	25.64
8	35.23	25.65
9	39.25	25.66
10	39.89	25.68
11	47.98	26.19
12	50.02	26.22
13	56.72	26.00
14	60.14	25.89
15	65.45	25.72

Order	Station [ft]	Elevation [ft]
16	70.27	25.77
17	74.19	25.89
18	80.40	25.88
19	88.96	25.87
20	90.52	25.89
21	91.66	25.89
22	98.76	26.07
23	100.65	26.11
24	109.12	26.22
25	110.77	26.26
26	113.05	26.26
27	120.90	26.16
28	126.59	26.04
29	131.03	26.07
30	135.33	26.01
31	141.15	26.00
32	149.19	25.85
33	151.28	25.85
34	152.79	25.94
35	161.41	25.66
36	161.53	25.66
37	162.30	25.67
38	171.53	25.94
39	179.00	26.30
40	180.97	26.34
41	181.66	26.36
42	184.68	26.29
43	185.40	26.27
44	188.39	26.26
45	191.83	26.25
46	196.16	26.21
47	202.02	26.18
48	204.68	26.13
49	212.22	25.81
50	213.19	25.87
51	218.09	25.83
52	222.41	25.85
53	223.48	25.89
54	232.60	25.81
55	236.18	25.74
56	239.65	25.77
57	242.79	25.80
58	243.46	25.79
59	247.28	25.70
60	248.58	25.67
61	251.10	25.65
62	252.91	25.64
63	254.91	25.64
64	258.73	25.64

Order	Station [ft]	Elevation [ft]
65	260.08	25.64
66	262.97	25.61
67	265.34	25.59
68	273.02	25.45
69	282.41	25.73
70	283.07	25.76
71	289.03	25.47
72	292.75	25.27
73	293.12	25.28
74	293.58	25.28
75	303.17	25.46
76	311.02	25.41
77	313.22	25.46
78	320.16	25.51
79	321.12	25.52
80	323.27	25.56
81	324.87	25.61
82	326.97	25.68
83	328.63	25.83
84	332.38	26.16
85	333.29	26.24
86	336.14	26.19
87	339.12	26.13
88	339.90	26.14
89	343.30	26.21
90	343.65	26.20
91	347.38	26.12
92	347.41	26.12
93	351.16	26.00
94	353.30	25.94
95	354.92	25.84
96	356.87	25.72
97	358.68	25.64
98	363.34	25.43
99	371.04	25.82
100	373.38	25.93
101	382.05	26.08
102	383.41	26.14

Comment:

Weir Cross Section: OW-PRESERVE 1-WETLAND 8

Scenario: Icpr3

Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
0	0.00	25.12
1	28.80	25.17
2	65.07	25.21
3	105.84	25.20

Comment:

Weir Cross Section: OW-W5-W6

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
0	0.00	25.37
1	280.70	25.42
2	523.56	25.47
3	810.54	25.72
4	1163.11	25.51
5	1546.54	25.49

Comment:

Weir Cross Section: OW-W7-EB TW DMY

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
0	0.00	25.20
1	1657.16	25.60
2	2942.13	25.20
3	3153.57	26.10

Comment:

Weir Cross Section: W6-W7

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
0	0.00	25.23
1	182.02	26.17
2	335.72	25.20
3	475.57	25.22

Comment:

Weir Cross Section: W7-W8

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
0	0.00	25.46
1	128.68	25.32
2	302.59	25.27

Comment:

Weir Cross Section: B15 TO WETLAND 2

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
1	0.00	26.31
2	4.31	26.01
3	9.51	25.74
4	13.05	25.69
5	19.64	25.75
6	28.73	25.64
7	29.77	25.64
8	35.23	25.65
9	39.25	25.66
10	39.89	25.68
11	47.98	26.19
12	50.02	26.22
13	56.72	26.00
14	60.14	25.89
15	65.45	25.72
16	70.27	25.77
17	74.19	25.89
18	80.40	25.88
19	88.96	25.87

Order	Station [ft]	Elevation [ft]
20	90.52	25.89
21	91.66	25.89
22	98.76	26.07
23	100.65	26.11
24	109.12	26.22
25	110.77	26.26
26	113.05	26.26
27	120.90	26.16
28	126.59	26.04
29	131.03	26.07
30	135.33	26.01
31	141.15	26.00
32	149.19	25.85
33	151.28	25.85
34	152.79	25.94
35	161.41	25.66
36	161.53	25.66
37	162.30	25.67
38	171.53	25.94
39	179.00	26.30
40	180.97	26.34
41	181.66	26.36
42	184.68	26.29
43	185.40	26.27
44	188.39	26.26
45	191.83	26.25
46	196.16	26.21
47	202.02	26.18
48	204.68	26.13
49	212.22	25.81
50	213.19	25.87
51	218.09	25.83
52	222.41	25.85
53	223.48	25.89
54	232.60	25.81
55	236.18	25.74
56	239.65	25.77
57	242.79	25.80
58	243.46	25.79
59	247.28	25.70
60	248.58	25.67
61	251.10	25.65
62	252.91	25.64
63	254.91	25.64
64	258.73	25.64
65	260.08	25.64
66	262.97	25.61
67	265.34	25.59
68	273.02	25.45

Order	Station [ft]	Elevation [ft]
69	282.41	25.73
70	283.07	25.76
71	289.03	25.47
72	292.75	25.27
73	293.12	25.28
74	293.58	25.28
75	303.17	25.46
76	311.02	25.41
77	313.22	25.46
78	320.16	25.51
79	321.12	25.52
80	323.27	25.56
81	324.87	25.61
82	326.97	25.68
83	328.63	25.83
84	332.38	26.16
85	333.29	26.24
86	336.14	26.19
87	339.12	26.13
88	339.90	26.14
89	343.30	26.21
90	343.65	26.20
91	347.38	26.12
92	347.41	26.12
93	351.16	26.00
94	353.30	25.94
95	354.92	25.84
96	356.87	25.72
97	358.68	25.64
98	363.34	25.43
99	371.04	25.82
100	373.38	25.93
101	382.05	26.08
102	383.41	26.14

Comment:

Weir Cross Section: OW-PRESERVE 1-WETLAND 8

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
0	0.00	25.12
1	28.80	25.17
2	65.07	25.21

Order	Station [ft]	Elevation [ft]
3	105.84	25.20

Comment:

Weir Cross Section: OW-W5-W6

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
0	0.00	25.37
1	280.70	25.42
2	523.56	25.47
3	810.54	25.72
4	1163.11	25.51
5	1546.54	25.49

Comment:

Weir Cross Section: OW-W7-EB TW DMY

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
0	0.00	25.20
1	1657.16	25.60
2	2942.13	25.20
3	3153.57	26.10

Comment:

Weir Cross Section: W6-W7

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
0	0.00	25.23
1	182.02	26.17
2	335.72	25.20

Order	Station [ft]	Elevation [ft]
3	475.57	25.22

Comment:

Weir Cross Section: W7-W8

Scenario: Icpr3
Lid: No

Bottom Point Table

Order	Station [ft]	Elevation [ft]
0	0.00	25.46
1	128.68	25.32
2	302.59	25.27

Comment:

Rating Curve: CS-10

Scenario: Icpr3
Type: Time

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	0.0000	0.00
0	0	0	0.5000	0.00
0	0	0	1.0000	0.00
0	0	0	1.5000	0.00
0	0	0	2.0000	0.00
0	0	0	2.5000	0.00
0	0	0	3.0000	0.00
0	0	0	3.5000	0.00
0	0	0	4.0000	0.00
0	0	0	4.5000	0.00
0	0	0	5.0000	0.00
0	0	0	5.5000	0.01
0	0	0	6.0000	0.01
0	0	0	6.5000	0.01
0	0	0	7.0000	0.01
0	0	0	7.5000	0.01
0	0	0	8.0000	0.01
0	0	0	8.5000	0.02
0	0	0	9.0000	0.02
0	0	0	9.5000	0.02
0	0	0	10.0000	0.02
0	0	0	10.5000	0.03
0	0	0	11.0000	0.03

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	11.5000	0.03
0	0	0	12.0000	0.04
0	0	0	12.5000	0.04
0	0	0	13.0000	0.04
0	0	0	13.5000	0.05
0	0	0	14.0000	0.05
0	0	0	14.5000	0.05
0	0	0	15.0000	0.05
0	0	0	15.5000	0.06
0	0	0	16.0000	0.06
0	0	0	16.5000	0.06
0	0	0	17.0000	0.07
0	0	0	17.5000	0.07
0	0	0	18.0000	0.07
0	0	0	18.5000	0.08
0	0	0	19.0000	0.08
0	0	0	19.5000	0.08
0	0	0	20.0000	0.08
0	0	0	20.5000	0.09
0	0	0	21.0000	0.09
0	0	0	21.5000	0.09
0	0	0	22.0000	0.09
0	0	0	22.5000	0.10
0	0	0	23.0000	0.10
0	0	0	23.5000	0.10
0	0	0	24.0000	0.10
0	0	0	24.5000	0.11
0	0	0	25.0000	0.11
0	0	0	25.5000	0.12
0	0	0	26.0000	0.12
0	0	0	26.5000	0.13
0	0	0	27.0000	0.13
0	0	0	27.5000	0.14
0	0	0	28.0000	0.14
0	0	0	28.5000	0.15
0	0	0	29.0000	0.15
0	0	0	29.5000	0.16
0	0	0	30.0000	0.16
0	0	0	30.5000	0.16
0	0	0	31.0000	0.17
0	0	0	31.5000	0.17
0	0	0	32.0000	0.17
0	0	0	32.5000	0.18
0	0	0	33.0000	0.18
0	0	0	33.5000	0.18
0	0	0	34.0000	0.19
0	0	0	34.5000	0.19
0	0	0	35.0000	0.19
0	0	0	35.5000	0.19

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	36.0000	0.20
0	0	0	36.5000	0.20
0	0	0	37.0000	0.20
0	0	0	37.5000	0.20
0	0	0	38.0000	0.21
0	0	0	38.5000	0.21
0	0	0	39.0000	0.21
0	0	0	39.5000	0.21
0	0	0	40.0000	0.21
0	0	0	40.5000	0.21
0	0	0	41.0000	0.22
0	0	0	41.5000	0.22
0	0	0	42.0000	0.22
0	0	0	42.5000	0.22
0	0	0	43.0000	0.22
0	0	0	43.5000	0.22
0	0	0	44.0000	0.22
0	0	0	44.5000	0.22
0	0	0	45.0000	0.22
0	0	0	45.5000	0.22
0	0	0	46.0000	0.22
0	0	0	46.5000	0.23
0	0	0	47.0000	0.23
0	0	0	47.5000	0.23
0	0	0	48.0000	0.23
0	0	0	48.5000	0.23
0	0	0	48.7500	0.23
0	0	0	49.0000	0.23
0	0	0	49.2500	0.23
0	0	0	49.5000	0.23
0	0	0	49.7500	0.23
0	0	0	50.0000	0.24
0	0	0	50.2500	0.23
0	0	0	50.5000	0.24
0	0	0	50.7500	0.24
0	0	0	51.0000	0.24
0	0	0	51.2500	0.25
0	0	0	51.5000	0.25
0	0	0	51.7500	0.25
0	0	0	52.0000	0.25
0	0	0	52.2500	0.26
0	0	0	52.5000	0.27
0	0	0	52.7500	0.27
0	0	0	53.0000	0.27
0	0	0	53.2500	0.28
0	0	0	53.5000	0.29
0	0	0	53.7500	0.30
0	0	0	54.0000	0.31
0	0	0	54.2500	0.32

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	54.5000	0.33
0	0	0	54.7500	0.34
0	0	0	55.0000	0.35
0	0	0	55.2500	0.36
0	0	0	55.4200	0.37
0	0	0	55.5800	0.38
0	0	0	55.7500	0.39
0	0	0	55.9200	0.40
0	0	0	56.0800	0.41
0	0	0	56.2500	0.41
0	0	0	56.4200	0.43
0	0	0	56.5800	0.44
0	0	0	56.7500	0.45
0	0	0	56.9200	0.46
0	0	0	57.0800	0.47
0	0	0	57.2500	0.48
0	0	0	57.4200	0.50
0	0	0	57.5800	0.51
0	0	0	57.7500	0.52
0	0	0	57.9200	0.54
0	0	0	58.0800	0.55
0	0	0	58.2500	0.57
0	0	0	58.4200	0.59
0	0	0	58.5800	0.61
0	0	0	58.7500	0.63
0	0	0	58.9200	0.66
0	0	0	59.0800	0.69
0	0	0	59.2500	0.73
0	0	0	59.4200	0.78
0	0	0	59.5800	0.88
0	0	0	59.7500	2.96
0	0	0	59.9200	6.77
0	0	0	60.0800	9.89
0	0	0	60.2500	9.58
0	0	0	60.4200	8.25
0	0	0	60.5800	7.11
0	0	0	60.7500	5.99
0	0	0	60.9200	5.07
0	0	0	61.0800	4.37
0	0	0	61.3300	3.52
0	0	0	61.5800	2.92
0	0	0	61.8300	2.48
0	0	0	62.0800	2.14
0	0	0	62.3300	1.84
0	0	0	62.5800	1.61
0	0	0	62.8300	1.41
0	0	0	63.0800	1.27
0	0	0	63.3300	1.15
0	0	0	63.5800	1.07

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	63.8300	0.99
0	0	0	64.0800	0.93
0	0	0	64.3300	0.83
0	0	0	64.5800	0.73
0	0	0	64.8300	0.65
0	0	0	65.0800	0.58
0	0	0	65.3300	0.51
0	0	0	65.5800	0.44
0	0	0	65.8300	0.46
0	0	0	66.0800	0.39
0	0	0	66.3300	0.33
0	0	0	66.5800	0.38
0	0	0	66.8300	0.30
0	0	0	67.0800	0.37
0	0	0	67.3300	0.27
0	0	0	67.5800	0.36
0	0	0	67.8300	0.42
0	0	0	68.0800	0.28
0	0	0	68.3300	0.32
0	0	0	68.5800	0.33
0	0	0	68.8300	0.08
0	0	0	69.0800	0.22
0	0	0	69.3300	0.29
0	0	0	69.5800	0.32
0	0	0	69.8300	0.04
0	0	0	70.0800	0.22
0	0	0	70.3300	0.29
0	0	0	70.5800	0.32
0	0	0	70.8300	0.02
0	0	0	71.0800	0.22
0	0	0	71.3300	0.30
0	0	0	71.5800	0.33
0	0	0	71.8300	0.34
0	0	0	72.0800	0.33
0	0	0	73.0800	-0.13
0	0	0	74.0800	0.00
0	0	0	75.0800	0.00
0	0	0	76.0800	0.00
0	0	0	77.0800	0.00
0	0	0	78.0800	0.00
0	0	0	79.0800	0.13
0	0	0	80.0800	0.00
0	0	0	81.0800	0.00
0	0	0	82.0800	0.00
0	0	0	83.0800	0.13
0	0	0	84.0800	0.00
0	0	0	85.0800	0.00
0	0	0	86.0800	0.00
0	0	0	87.0800	0.13

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	88.0800	0.00
0	0	0	89.0800	0.00
0	0	0	90.0800	0.13
0	0	0	91.0800	0.00
0	0	0	92.0800	0.00
0	0	0	93.0800	0.00
0	0	0	94.0800	0.13
0	0	0	95.0800	0.00
0	0	0	96.0800	0.00
0	0	0	97.0800	0.12
0	0	0	98.0800	0.00
0	0	0	99.0800	0.00
0	0	0	100.0800	0.00
0	0	0	101.0800	0.12
0	0	0	102.0800	0.01
0	0	0	103.0800	0.00
0	0	0	104.0800	0.11
0	0	0	105.0800	0.01
0	0	0	106.0800	0.00
0	0	0	107.0800	0.00
0	0	0	108.0800	0.10
0	0	0	109.0800	0.02
0	0	0	110.0800	0.00
0	0	0	111.0800	0.00
0	0	0	112.0800	0.09
0	0	0	113.0800	0.03
0	0	0	114.0800	0.01
0	0	0	115.0800	0.00
0	0	0	116.0800	0.07
0	0	0	117.0800	0.03
0	0	0	118.0800	0.01
0	0	0	119.0800	0.01
0	0	0	120.0800	0.06
0	0	0	121.0800	0.03
0	0	0	122.0800	0.02
0	0	0	123.0800	0.07
0	0	0	124.0800	0.04
0	0	0	125.0800	0.02
0	0	0	126.0800	0.01
0	0	0	127.0800	0.07
0	0	0	128.0800	0.04
0	0	0	129.0800	0.02
0	0	0	130.0800	0.01
0	0	0	131.0800	0.06
0	0	0	132.0800	0.04
0	0	0	133.0800	0.02
0	0	0	134.0800	0.01
0	0	0	135.0800	0.06
0	0	0	136.0800	0.04

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	137.0800	0.02
0	0	0	138.0800	0.01
0	0	0	139.0800	0.06
0	0	0	140.0800	0.04
0	0	0	141.0800	0.02
0	0	0	142.0800	0.01
0	0	0	143.0800	0.06
0	0	0	144.0800	0.04
0	0	0	145.0800	0.02
0	0	0	146.0800	0.01
0	0	0	147.0800	0.06
0	0	0	148.0800	0.04
0	0	0	149.0800	0.02
0	0	0	150.0800	0.01
0	0	0	151.0800	0.06
0	0	0	152.0800	0.04
0	0	0	153.0800	0.02
0	0	0	154.0800	0.07
0	0	0	155.0800	0.04
0	0	0	156.0800	0.02
0	0	0	157.0800	0.01
0	0	0	158.0800	0.06
0	0	0	159.0800	0.04
0	0	0	160.0800	0.02
0	0	0	161.0800	0.01
0	0	0	162.0800	0.06
0	0	0	163.0800	0.03
0	0	0	164.0800	0.02
0	0	0	165.0800	0.01
0	0	0	166.0800	0.06
0	0	0	167.0800	0.03
0	0	0	168.0800	0.02
0	0	0	169.0800	0.01
0	0	0	170.0800	0.06
0	0	0	171.0800	0.03
0	0	0	172.0800	0.02
0	0	0	173.0800	0.01
0	0	0	174.0800	0.06
0	0	0	175.0800	0.03
0	0	0	176.0800	0.02
0	0	0	177.0800	0.01
0	0	0	178.0800	0.06
0	0	0	179.0800	0.03
0	0	0	180.0800	0.02
0	0	0	181.0800	0.01
0	0	0	182.0800	0.06
0	0	0	183.0800	0.03
0	0	0	184.0800	0.02
0	0	0	185.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	186.0800	0.06
0	0	0	187.0800	0.03
0	0	0	188.0800	0.02
0	0	0	189.0800	0.06
0	0	0	190.0800	0.04
0	0	0	191.0800	0.02
0	0	0	192.0800	0.01
0	0	0	193.0800	0.06
0	0	0	194.0800	0.03
0	0	0	195.0800	0.02
0	0	0	196.0800	0.01
0	0	0	197.0800	0.06
0	0	0	198.0800	0.03
0	0	0	199.0800	0.02
0	0	0	200.0800	0.01
0	0	0	201.0800	0.06
0	0	0	202.0800	0.03
0	0	0	203.0800	0.02
0	0	0	204.0800	0.01
0	0	0	205.0800	0.06
0	0	0	206.0800	0.03
0	0	0	207.0800	0.02
0	0	0	208.0800	0.01
0	0	0	209.0800	0.06
0	0	0	210.0800	0.03
0	0	0	211.0800	0.02
0	0	0	212.0800	0.01
0	0	0	213.0800	0.06
0	0	0	214.0800	0.03
0	0	0	215.0800	0.02
0	0	0	216.0800	0.01
0	0	0	217.0800	0.06
0	0	0	218.0800	0.03
0	0	0	219.0800	0.02
0	0	0	220.0800	0.01
0	0	0	221.0800	0.05
0	0	0	222.0800	0.03
0	0	0	223.0800	0.02
0	0	0	224.0800	0.06
0	0	0	225.0800	0.04
0	0	0	226.0800	0.02
0	0	0	227.0800	0.01
0	0	0	228.0800	0.05
0	0	0	229.0800	0.03
0	0	0	230.0800	0.02
0	0	0	231.0800	0.01
0	0	0	232.0800	0.05
0	0	0	233.0800	0.03
0	0	0	234.0800	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	235.0800	0.01
0	0	0	236.0800	0.05
0	0	0	237.0800	0.03
0	0	0	238.0800	0.02
0	0	0	239.0800	0.01
0	0	0	240.0800	0.05
0	0	0	241.0800	0.03
0	0	0	242.0800	0.02
0	0	0	243.0800	0.01
0	0	0	244.0800	0.05
0	0	0	245.0800	0.03
0	0	0	246.0800	0.02
0	0	0	247.0800	0.01
0	0	0	248.0800	0.05
0	0	0	249.0800	0.03
0	0	0	250.0800	0.02
0	0	0	251.0800	0.01
0	0	0	252.0800	0.05
0	0	0	253.0800	0.03
0	0	0	254.0800	0.02
0	0	0	255.0800	0.01
0	0	0	256.0800	0.05
0	0	0	257.0800	0.03
0	0	0	258.0800	0.02
0	0	0	259.0800	0.01
0	0	0	260.0800	0.05
0	0	0	261.0800	0.03
0	0	0	262.0800	0.02
0	0	0	263.0800	0.01
0	0	0	264.0800	0.05
0	0	0	265.0800	0.03
0	0	0	266.0800	0.02
0	0	0	267.0800	0.01
0	0	0	268.0800	0.05
0	0	0	269.0800	0.03
0	0	0	270.0800	0.02
0	0	0	271.0800	0.01
0	0	0	272.0800	0.05
0	0	0	273.0800	0.03
0	0	0	274.0800	0.02
0	0	0	275.0800	0.01
0	0	0	276.0800	0.05
0	0	0	277.0800	0.03
0	0	0	278.0800	0.02
0	0	0	279.0800	0.01
0	0	0	280.0800	0.05
0	0	0	281.0800	0.03
0	0	0	282.0800	0.02
0	0	0	283.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	284.0800	0.05
0	0	0	285.0800	0.03
0	0	0	286.0800	0.02
0	0	0	287.0800	0.01
0	0	0	288.0800	0.04
0	0	0	289.0800	0.03
0	0	0	290.0800	0.02
0	0	0	291.0800	0.01
0	0	0	292.0800	0.04
0	0	0	293.0800	0.03
0	0	0	294.0800	0.02
0	0	0	295.0800	0.01
0	0	0	296.0800	0.04
0	0	0	297.0800	0.03
0	0	0	298.0800	0.02
0	0	0	299.0800	0.01
0	0	0	300.0800	0.04
0	0	0	301.0800	0.03
0	0	0	302.0800	0.02
0	0	0	303.0800	0.01
0	0	0	304.0800	0.04
0	0	0	305.0800	0.03
0	0	0	306.0800	0.02
0	0	0	307.0800	0.01
0	0	0	308.0800	0.04
0	0	0	309.0800	0.03
0	0	0	310.0800	0.02
0	0	0	311.0800	0.01
0	0	0	312.0800	0.04
0	0	0	313.0800	0.03
0	0	0	314.0800	0.02
0	0	0	315.0800	0.02
0	0	0	316.0800	0.04
0	0	0	317.0800	0.03
0	0	0	318.0800	0.02
0	0	0	319.0800	0.02
0	0	0	320.0800	0.04
0	0	0	321.0800	0.03
0	0	0	322.0800	0.02
0	0	0	323.0800	0.02
0	0	0	324.0800	0.04
0	0	0	325.0800	0.03
0	0	0	326.0800	0.02
0	0	0	327.0800	0.02
0	0	0	328.0800	0.04
0	0	0	329.0800	0.03
0	0	0	330.0800	0.02
0	0	0	331.0800	0.02
0	0	0	332.0800	0.04

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	333.0800	0.03
0	0	0	334.0800	0.02
0	0	0	335.0800	0.02
0	0	0	336.0800	0.03
0	0	0	337.0800	0.03
0	0	0	338.0800	0.02
0	0	0	339.0800	0.02
0	0	0	340.0800	0.03
0	0	0	341.0800	0.03
0	0	0	342.0800	0.02
0	0	0	343.0800	0.02
0	0	0	344.0800	0.01
0	0	0	345.0800	0.03
0	0	0	346.0800	0.03
0	0	0	347.0800	0.02
0	0	0	348.0800	0.02
0	0	0	349.0800	0.03
0	0	0	350.0800	0.03
0	0	0	351.0800	0.02
0	0	0	352.0800	0.02
0	0	0	353.0800	0.03
0	0	0	354.0800	0.03
0	0	0	355.0800	0.02
0	0	0	356.0800	0.02
0	0	0	357.0800	0.03
0	0	0	358.0800	0.03
0	0	0	359.0800	0.02
0	0	0	360.0000	0.02

Comment: Daniels Roadway Control Str# 10

Rating Curve: CS-11

Scenario: Icpr3

Type: Time

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	0.0000	0.00
0	0	0	0.5000	0.00
0	0	0	1.0000	0.00
0	0	0	1.5000	0.00
0	0	0	2.0000	0.00
0	0	0	2.5000	0.00
0	0	0	3.0000	0.00
0	0	0	3.5000	0.00
0	0	0	4.0000	0.00
0	0	0	4.5000	0.00

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	5.0000	0.01
0	0	0	5.5000	0.01
0	0	0	6.0000	0.01
0	0	0	6.5000	0.01
0	0	0	7.0000	0.01
0	0	0	7.5000	0.02
0	0	0	8.0000	0.02
0	0	0	8.5000	0.02
0	0	0	9.0000	0.03
0	0	0	9.5000	0.03
0	0	0	10.0000	0.03
0	0	0	10.5000	0.04
0	0	0	11.0000	0.04
0	0	0	11.5000	0.04
0	0	0	12.0000	0.05
0	0	0	12.5000	0.05
0	0	0	13.0000	0.06
0	0	0	13.5000	0.06
0	0	0	14.0000	0.06
0	0	0	14.5000	0.07
0	0	0	15.0000	0.07
0	0	0	15.5000	0.08
0	0	0	16.0000	0.08
0	0	0	16.5000	0.08
0	0	0	17.0000	0.09
0	0	0	17.5000	0.09
0	0	0	18.0000	0.10
0	0	0	18.5000	0.10
0	0	0	19.0000	0.10
0	0	0	19.5000	0.11
0	0	0	20.0000	0.11
0	0	0	20.5000	0.11
0	0	0	21.0000	0.12
0	0	0	21.5000	0.12
0	0	0	22.0000	0.12
0	0	0	22.5000	0.13
0	0	0	23.0000	0.13
0	0	0	23.5000	0.13
0	0	0	24.0000	0.14
0	0	0	24.5000	0.14
0	0	0	25.0000	0.15
0	0	0	25.5000	0.16
0	0	0	26.0000	0.16
0	0	0	26.5000	0.17
0	0	0	27.0000	0.18
0	0	0	27.5000	0.18
0	0	0	28.0000	0.19
0	0	0	28.5000	0.19
0	0	0	29.0000	0.20

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	29.5000	0.20
0	0	0	30.0000	0.21
0	0	0	30.5000	0.22
0	0	0	31.0000	0.22
0	0	0	31.5000	0.22
0	0	0	32.0000	0.23
0	0	0	32.5000	0.23
0	0	0	33.0000	0.24
0	0	0	33.5000	0.24
0	0	0	34.0000	0.25
0	0	0	34.5000	0.25
0	0	0	35.0000	0.25
0	0	0	35.5000	0.26
0	0	0	36.0000	0.26
0	0	0	36.5000	0.26
0	0	0	37.0000	0.27
0	0	0	37.5000	0.27
0	0	0	38.0000	0.27
0	0	0	38.5000	0.28
0	0	0	39.0000	0.28
0	0	0	39.5000	0.28
0	0	0	40.0000	0.28
0	0	0	40.5000	0.28
0	0	0	41.0000	0.29
0	0	0	41.5000	0.29
0	0	0	42.0000	0.29
0	0	0	42.5000	0.29
0	0	0	43.0000	0.29
0	0	0	43.5000	0.29
0	0	0	44.0000	0.29
0	0	0	44.5000	0.30
0	0	0	45.0000	0.30
0	0	0	45.5000	0.30
0	0	0	46.0000	0.30
0	0	0	46.5000	0.30
0	0	0	47.0000	0.30
0	0	0	47.5000	0.30
0	0	0	48.0000	0.30
0	0	0	48.5000	0.30
0	0	0	48.7500	0.31
0	0	0	49.0000	0.30
0	0	0	49.2500	0.31
0	0	0	49.5000	0.31
0	0	0	49.7500	0.31
0	0	0	50.0000	0.31
0	0	0	50.2500	0.31
0	0	0	50.5000	0.31
0	0	0	50.7500	0.32
0	0	0	51.0000	0.32

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	51.2500	0.33
0	0	0	51.5000	0.33
0	0	0	51.7500	0.33
0	0	0	52.0000	0.34
0	0	0	52.2500	0.34
0	0	0	52.5000	0.35
0	0	0	52.7500	0.36
0	0	0	53.0000	0.36
0	0	0	53.2500	0.37
0	0	0	53.5000	0.39
0	0	0	53.7500	0.39
0	0	0	54.0000	0.41
0	0	0	54.2500	0.42
0	0	0	54.5000	0.43
0	0	0	54.7500	0.45
0	0	0	55.0000	0.46
0	0	0	55.2500	0.48
0	0	0	55.4200	0.49
0	0	0	55.5800	0.50
0	0	0	55.7500	0.51
0	0	0	55.9200	0.52
0	0	0	56.0800	0.54
0	0	0	56.2500	0.55
0	0	0	56.4200	0.56
0	0	0	56.5800	0.58
0	0	0	56.7500	0.59
0	0	0	56.9200	0.60
0	0	0	57.0800	0.62
0	0	0	57.2500	0.63
0	0	0	57.4200	0.65
0	0	0	57.5800	0.68
0	0	0	57.7500	0.69
0	0	0	57.9200	0.71
0	0	0	58.0800	0.73
0	0	0	58.2500	0.76
0	0	0	58.4200	0.78
0	0	0	58.5800	0.80
0	0	0	58.7500	0.84
0	0	0	58.9200	0.87
0	0	0	59.0800	0.91
0	0	0	59.2500	0.97
0	0	0	59.4200	1.03
0	0	0	59.5800	1.16
0	0	0	59.7500	3.91
0	0	0	59.9200	8.95
0	0	0	60.0800	13.07
0	0	0	60.2500	12.66
0	0	0	60.4200	10.91
0	0	0	60.5800	9.40

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	60.7500	7.92
0	0	0	60.9200	6.70
0	0	0	61.0800	5.78
0	0	0	61.3300	4.65
0	0	0	61.5800	3.86
0	0	0	61.8300	3.27
0	0	0	62.0800	2.83
0	0	0	62.3300	2.43
0	0	0	62.5800	2.12
0	0	0	62.8300	1.87
0	0	0	63.0800	1.68
0	0	0	63.3300	1.52
0	0	0	63.5800	1.42
0	0	0	63.8300	1.31
0	0	0	64.0800	1.23
0	0	0	64.3300	1.10
0	0	0	64.5800	0.97
0	0	0	64.8300	0.86
0	0	0	65.0800	0.76
0	0	0	65.3300	0.67
0	0	0	65.5800	0.58
0	0	0	65.8300	0.60
0	0	0	66.0800	0.52
0	0	0	66.3300	0.43
0	0	0	66.5800	0.50
0	0	0	66.8300	0.40
0	0	0	67.0800	0.49
0	0	0	67.3300	0.35
0	0	0	67.5800	0.48
0	0	0	67.8300	0.56
0	0	0	68.0800	0.37
0	0	0	68.3300	0.42
0	0	0	68.5800	0.44
0	0	0	68.8300	0.10
0	0	0	69.0800	0.29
0	0	0	69.3300	0.38
0	0	0	69.5800	0.42
0	0	0	69.8300	0.05
0	0	0	70.0800	0.29
0	0	0	70.3300	0.39
0	0	0	70.5800	0.43
0	0	0	70.8300	0.03
0	0	0	71.0800	0.29
0	0	0	71.3300	0.40
0	0	0	71.5800	0.44
0	0	0	71.8300	0.45
0	0	0	72.0800	0.44
0	0	0	73.0800	-0.17
0	0	0	74.0800	0.00

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	75.0800	0.00
0	0	0	76.0800	0.00
0	0	0	77.0800	0.00
0	0	0	78.0800	0.00
0	0	0	79.0800	0.18
0	0	0	80.0800	0.00
0	0	0	81.0800	0.00
0	0	0	82.0800	0.00
0	0	0	83.0800	0.17
0	0	0	84.0800	0.00
0	0	0	85.0800	0.00
0	0	0	86.0800	0.00
0	0	0	87.0800	0.17
0	0	0	88.0800	0.00
0	0	0	89.0800	0.00
0	0	0	90.0800	0.17
0	0	0	91.0800	0.00
0	0	0	92.0800	0.00
0	0	0	93.0800	0.00
0	0	0	94.0800	0.17
0	0	0	95.0800	0.00
0	0	0	96.0800	0.00
0	0	0	97.0800	0.16
0	0	0	98.0800	0.01
0	0	0	99.0800	0.00
0	0	0	100.0800	0.00
0	0	0	101.0800	0.16
0	0	0	102.0800	0.01
0	0	0	103.0800	0.00
0	0	0	104.0800	0.15
0	0	0	105.0800	0.01
0	0	0	106.0800	0.00
0	0	0	107.0800	0.00
0	0	0	108.0800	0.13
0	0	0	109.0800	0.02
0	0	0	110.0800	0.00
0	0	0	111.0800	0.00
0	0	0	112.0800	0.11
0	0	0	113.0800	0.04
0	0	0	114.0800	0.01
0	0	0	115.0800	0.00
0	0	0	116.0800	0.09
0	0	0	117.0800	0.04
0	0	0	118.0800	0.02
0	0	0	119.0800	0.01
0	0	0	120.0800	0.08
0	0	0	121.0800	0.05
0	0	0	122.0800	0.02
0	0	0	123.0800	0.09

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	124.0800	0.05
0	0	0	125.0800	0.03
0	0	0	126.0800	0.01
0	0	0	127.0800	0.09
0	0	0	128.0800	0.05
0	0	0	129.0800	0.03
0	0	0	130.0800	0.01
0	0	0	131.0800	0.09
0	0	0	132.0800	0.05
0	0	0	133.0800	0.02
0	0	0	134.0800	0.01
0	0	0	135.0800	0.08
0	0	0	136.0800	0.05
0	0	0	137.0800	0.02
0	0	0	138.0800	0.01
0	0	0	139.0800	0.08
0	0	0	140.0800	0.05
0	0	0	141.0800	0.02
0	0	0	142.0800	0.01
0	0	0	143.0800	0.08
0	0	0	144.0800	0.05
0	0	0	145.0800	0.02
0	0	0	146.0800	0.01
0	0	0	147.0800	0.08
0	0	0	148.0800	0.05
0	0	0	149.0800	0.03
0	0	0	150.0800	0.01
0	0	0	151.0800	0.08
0	0	0	152.0800	0.05
0	0	0	153.0800	0.03
0	0	0	154.0800	0.09
0	0	0	155.0800	0.05
0	0	0	156.0800	0.03
0	0	0	157.0800	0.01
0	0	0	158.0800	0.08
0	0	0	159.0800	0.05
0	0	0	160.0800	0.03
0	0	0	161.0800	0.01
0	0	0	162.0800	0.08
0	0	0	163.0800	0.05
0	0	0	164.0800	0.03
0	0	0	165.0800	0.01
0	0	0	166.0800	0.08
0	0	0	167.0800	0.05
0	0	0	168.0800	0.03
0	0	0	169.0800	0.01
0	0	0	170.0800	0.08
0	0	0	171.0800	0.05
0	0	0	172.0800	0.03

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	173.0800	0.01
0	0	0	174.0800	0.08
0	0	0	175.0800	0.05
0	0	0	176.0800	0.03
0	0	0	177.0800	0.01
0	0	0	178.0800	0.08
0	0	0	179.0800	0.05
0	0	0	180.0800	0.03
0	0	0	181.0800	0.01
0	0	0	182.0800	0.08
0	0	0	183.0800	0.05
0	0	0	184.0800	0.03
0	0	0	185.0800	0.01
0	0	0	186.0800	0.08
0	0	0	187.0800	0.05
0	0	0	188.0800	0.03
0	0	0	189.0800	0.08
0	0	0	190.0800	0.05
0	0	0	191.0800	0.03
0	0	0	192.0800	0.02
0	0	0	193.0800	0.08
0	0	0	194.0800	0.05
0	0	0	195.0800	0.03
0	0	0	196.0800	0.01
0	0	0	197.0800	0.08
0	0	0	198.0800	0.04
0	0	0	199.0800	0.03
0	0	0	200.0800	0.01
0	0	0	201.0800	0.08
0	0	0	202.0800	0.04
0	0	0	203.0800	0.03
0	0	0	204.0800	0.01
0	0	0	205.0800	0.07
0	0	0	206.0800	0.04
0	0	0	207.0800	0.03
0	0	0	208.0800	0.01
0	0	0	209.0800	0.07
0	0	0	210.0800	0.04
0	0	0	211.0800	0.03
0	0	0	212.0800	0.01
0	0	0	213.0800	0.07
0	0	0	214.0800	0.04
0	0	0	215.0800	0.03
0	0	0	216.0800	0.01
0	0	0	217.0800	0.07
0	0	0	218.0800	0.04
0	0	0	219.0800	0.03
0	0	0	220.0800	0.01
0	0	0	221.0800	0.07

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	222.0800	0.04
0	0	0	223.0800	0.03
0	0	0	224.0800	0.08
0	0	0	225.0800	0.05
0	0	0	226.0800	0.03
0	0	0	227.0800	0.02
0	0	0	228.0800	0.07
0	0	0	229.0800	0.04
0	0	0	230.0800	0.03
0	0	0	231.0800	0.02
0	0	0	232.0800	0.07
0	0	0	233.0800	0.04
0	0	0	234.0800	0.03
0	0	0	235.0800	0.02
0	0	0	236.0800	0.07
0	0	0	237.0800	0.04
0	0	0	238.0800	0.03
0	0	0	239.0800	0.02
0	0	0	240.0800	0.07
0	0	0	241.0800	0.04
0	0	0	242.0800	0.03
0	0	0	243.0800	0.02
0	0	0	244.0800	0.07
0	0	0	245.0800	0.04
0	0	0	246.0800	0.03
0	0	0	247.0800	0.02
0	0	0	248.0800	0.07
0	0	0	249.0800	0.04
0	0	0	250.0800	0.03
0	0	0	251.0800	0.02
0	0	0	252.0800	0.07
0	0	0	253.0800	0.04
0	0	0	254.0800	0.03
0	0	0	255.0800	0.02
0	0	0	256.0800	0.07
0	0	0	257.0800	0.04
0	0	0	258.0800	0.03
0	0	0	259.0800	0.02
0	0	0	260.0800	0.07
0	0	0	261.0800	0.04
0	0	0	262.0800	0.03
0	0	0	263.0800	0.02
0	0	0	264.0800	0.06
0	0	0	265.0800	0.04
0	0	0	266.0800	0.03
0	0	0	267.0800	0.02
0	0	0	268.0800	0.06
0	0	0	269.0800	0.04
0	0	0	270.0800	0.03

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	271.0800	0.02
0	0	0	272.0800	0.06
0	0	0	273.0800	0.04
0	0	0	274.0800	0.03
0	0	0	275.0800	0.02
0	0	0	276.0800	0.06
0	0	0	277.0800	0.04
0	0	0	278.0800	0.03
0	0	0	279.0800	0.02
0	0	0	280.0800	0.06
0	0	0	281.0800	0.04
0	0	0	282.0800	0.03
0	0	0	283.0800	0.02
0	0	0	284.0800	0.06
0	0	0	285.0800	0.04
0	0	0	286.0800	0.03
0	0	0	287.0800	0.02
0	0	0	288.0800	0.06
0	0	0	289.0800	0.04
0	0	0	290.0800	0.03
0	0	0	291.0800	0.02
0	0	0	292.0800	0.06
0	0	0	293.0800	0.04
0	0	0	294.0800	0.03
0	0	0	295.0800	0.02
0	0	0	296.0800	0.06
0	0	0	297.0800	0.04
0	0	0	298.0800	0.03
0	0	0	299.0800	0.02
0	0	0	300.0800	0.06
0	0	0	301.0800	0.04
0	0	0	302.0800	0.03
0	0	0	303.0800	0.02
0	0	0	304.0800	0.06
0	0	0	305.0800	0.04
0	0	0	306.0800	0.03
0	0	0	307.0800	0.02
0	0	0	308.0800	0.05
0	0	0	309.0800	0.04
0	0	0	310.0800	0.03
0	0	0	311.0800	0.02
0	0	0	312.0800	0.05
0	0	0	313.0800	0.04
0	0	0	314.0800	0.03
0	0	0	315.0800	0.02
0	0	0	316.0800	0.05
0	0	0	317.0800	0.04
0	0	0	318.0800	0.03
0	0	0	319.0800	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	320.0800	0.05
0	0	0	321.0800	0.04
0	0	0	322.0800	0.03
0	0	0	323.0800	0.02
0	0	0	324.0800	0.05
0	0	0	325.0800	0.04
0	0	0	326.0800	0.03
0	0	0	327.0800	0.02
0	0	0	328.0800	0.05
0	0	0	329.0800	0.04
0	0	0	330.0800	0.03
0	0	0	331.0800	0.02
0	0	0	332.0800	0.05
0	0	0	333.0800	0.04
0	0	0	334.0800	0.03
0	0	0	335.0800	0.02
0	0	0	336.0800	0.05
0	0	0	337.0800	0.04
0	0	0	338.0800	0.03
0	0	0	339.0800	0.02
0	0	0	340.0800	0.04
0	0	0	341.0800	0.04
0	0	0	342.0800	0.03
0	0	0	343.0800	0.02
0	0	0	344.0800	0.02
0	0	0	345.0800	0.04
0	0	0	346.0800	0.03
0	0	0	347.0800	0.03
0	0	0	348.0800	0.02
0	0	0	349.0800	0.04
0	0	0	350.0800	0.03
0	0	0	351.0800	0.03
0	0	0	352.0800	0.02
0	0	0	353.0800	0.04
0	0	0	354.0800	0.03
0	0	0	355.0800	0.03
0	0	0	356.0800	0.02
0	0	0	357.0800	0.04
0	0	0	358.0800	0.03
0	0	0	359.0800	0.03
0	0	0	360.0000	0.03

Comment: Daniels Roadway Control Str# 11

Rating Curve: CS-12

Scenario: Icpr3

Type: Time

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	0.0000	0.00
0	0	0	0.5000	0.00
0	0	0	1.0000	0.00
0	0	0	1.5000	0.00
0	0	0	2.0000	0.00
0	0	0	2.5000	0.00
0	0	0	3.0000	0.00
0	0	0	3.5000	0.00
0	0	0	4.0000	0.00
0	0	0	4.5000	0.00
0	0	0	5.0000	0.00
0	0	0	5.5000	0.00
0	0	0	6.0000	0.01
0	0	0	6.5000	0.01
0	0	0	7.0000	0.01
0	0	0	7.5000	0.01
0	0	0	8.0000	0.01
0	0	0	8.5000	0.01
0	0	0	9.0000	0.01
0	0	0	9.5000	0.02
0	0	0	10.0000	0.02
0	0	0	10.5000	0.02
0	0	0	11.0000	0.02
0	0	0	11.5000	0.03
0	0	0	12.0000	0.03
0	0	0	12.5000	0.03
0	0	0	13.0000	0.03
0	0	0	13.5000	0.03
0	0	0	14.0000	0.04
0	0	0	14.5000	0.04
0	0	0	15.0000	0.04
0	0	0	15.5000	0.04
0	0	0	16.0000	0.05
0	0	0	16.5000	0.05
0	0	0	17.0000	0.05
0	0	0	17.5000	0.05
0	0	0	18.0000	0.05
0	0	0	18.5000	0.06
0	0	0	19.0000	0.06
0	0	0	19.5000	0.06
0	0	0	20.0000	0.06
0	0	0	20.5000	0.07
0	0	0	21.0000	0.07
0	0	0	21.5000	0.07
0	0	0	22.0000	0.07
0	0	0	22.5000	0.07
0	0	0	23.0000	0.07

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	23.5000	0.08
0	0	0	24.0000	0.08
0	0	0	24.5000	0.08
0	0	0	25.0000	0.09
0	0	0	25.5000	0.09
0	0	0	26.0000	0.09
0	0	0	26.5000	0.10
0	0	0	27.0000	0.10
0	0	0	27.5000	0.10
0	0	0	28.0000	0.11
0	0	0	28.5000	0.11
0	0	0	29.0000	0.11
0	0	0	29.5000	0.12
0	0	0	30.0000	0.12
0	0	0	30.5000	0.12
0	0	0	31.0000	0.13
0	0	0	31.5000	0.13
0	0	0	32.0000	0.13
0	0	0	32.5000	0.13
0	0	0	33.0000	0.14
0	0	0	33.5000	0.14
0	0	0	34.0000	0.14
0	0	0	34.5000	0.14
0	0	0	35.0000	0.14
0	0	0	35.5000	0.15
0	0	0	36.0000	0.15
0	0	0	36.5000	0.15
0	0	0	37.0000	0.15
0	0	0	37.5000	0.15
0	0	0	38.0000	0.16
0	0	0	38.5000	0.16
0	0	0	39.0000	0.16
0	0	0	39.5000	0.16
0	0	0	40.0000	0.16
0	0	0	40.5000	0.16
0	0	0	41.0000	0.16
0	0	0	41.5000	0.16
0	0	0	42.0000	0.16
0	0	0	42.5000	0.17
0	0	0	43.0000	0.17
0	0	0	43.5000	0.17
0	0	0	44.0000	0.17
0	0	0	44.5000	0.17
0	0	0	45.0000	0.17
0	0	0	45.5000	0.17
0	0	0	46.0000	0.17
0	0	0	46.5000	0.17
0	0	0	47.0000	0.17
0	0	0	47.5000	0.17

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	48.0000	0.17
0	0	0	48.5000	0.17
0	0	0	48.7500	0.17
0	0	0	49.0000	0.17
0	0	0	49.2500	0.17
0	0	0	49.5000	0.18
0	0	0	49.7500	0.18
0	0	0	50.0000	0.18
0	0	0	50.2500	0.18
0	0	0	50.5000	0.18
0	0	0	50.7500	0.18
0	0	0	51.0000	0.18
0	0	0	51.2500	0.19
0	0	0	51.5000	0.19
0	0	0	51.7500	0.19
0	0	0	52.0000	0.19
0	0	0	52.2500	0.20
0	0	0	52.5000	0.20
0	0	0	52.7500	0.20
0	0	0	53.0000	0.21
0	0	0	53.2500	0.21
0	0	0	53.5000	0.22
0	0	0	53.7500	0.23
0	0	0	54.0000	0.23
0	0	0	54.2500	0.24
0	0	0	54.5000	0.25
0	0	0	54.7500	0.26
0	0	0	55.0000	0.26
0	0	0	55.2500	0.27
0	0	0	55.4200	0.28
0	0	0	55.5800	0.29
0	0	0	55.7500	0.29
0	0	0	55.9200	0.30
0	0	0	56.0800	0.31
0	0	0	56.2500	0.31
0	0	0	56.4200	0.32
0	0	0	56.5800	0.33
0	0	0	56.7500	0.34
0	0	0	56.9200	0.35
0	0	0	57.0800	0.36
0	0	0	57.2500	0.36
0	0	0	57.4200	0.37
0	0	0	57.5800	0.39
0	0	0	57.7500	0.40
0	0	0	57.9200	0.41
0	0	0	58.0800	0.42
0	0	0	58.2500	0.43
0	0	0	58.4200	0.45
0	0	0	58.5800	0.46

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	58.7500	0.48
0	0	0	58.9200	0.50
0	0	0	59.0800	0.52
0	0	0	59.2500	0.55
0	0	0	59.4200	0.59
0	0	0	59.5800	0.66
0	0	0	59.7500	2.24
0	0	0	59.9200	5.12
0	0	0	60.0800	7.47
0	0	0	60.2500	7.24
0	0	0	60.4200	6.24
0	0	0	60.5800	5.37
0	0	0	60.7500	4.53
0	0	0	60.9200	3.83
0	0	0	61.0800	3.30
0	0	0	61.3300	2.66
0	0	0	61.5800	2.21
0	0	0	61.8300	1.87
0	0	0	62.0800	1.62
0	0	0	62.3300	1.39
0	0	0	62.5800	1.21
0	0	0	62.8300	1.07
0	0	0	63.0800	0.96
0	0	0	63.3300	0.87
0	0	0	63.5800	0.81
0	0	0	63.8300	0.75
0	0	0	64.0800	0.70
0	0	0	64.3300	0.63
0	0	0	64.5800	0.55
0	0	0	64.8300	0.49
0	0	0	65.0800	0.44
0	0	0	65.3300	0.38
0	0	0	65.5800	0.33
0	0	0	65.8300	0.35
0	0	0	66.0800	0.30
0	0	0	66.3300	0.25
0	0	0	66.5800	0.29
0	0	0	66.8300	0.23
0	0	0	67.0800	0.28
0	0	0	67.3300	0.20
0	0	0	67.5800	0.27
0	0	0	67.8300	0.32
0	0	0	68.0800	0.21
0	0	0	68.3300	0.24
0	0	0	68.5800	0.25
0	0	0	68.8300	0.06
0	0	0	69.0800	0.17
0	0	0	69.3300	0.22
0	0	0	69.5800	0.24

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	69.8300	0.03
0	0	0	70.0800	0.16
0	0	0	70.3300	0.22
0	0	0	70.5800	0.25
0	0	0	70.8300	0.02
0	0	0	71.0800	0.17
0	0	0	71.3300	0.23
0	0	0	71.5800	0.25
0	0	0	71.8300	0.26
0	0	0	72.0800	0.25
0	0	0	73.0800	-0.10
0	0	0	74.0800	0.00
0	0	0	75.0800	0.00
0	0	0	76.0800	0.00
0	0	0	77.0800	0.00
0	0	0	78.0800	0.00
0	0	0	79.0800	0.10
0	0	0	80.0800	0.00
0	0	0	81.0800	0.00
0	0	0	82.0800	0.00
0	0	0	83.0800	0.10
0	0	0	84.0800	0.00
0	0	0	85.0800	0.00
0	0	0	86.0800	0.00
0	0	0	87.0800	0.10
0	0	0	88.0800	0.00
0	0	0	89.0800	0.00
0	0	0	90.0800	0.10
0	0	0	91.0800	0.00
0	0	0	92.0800	0.00
0	0	0	93.0800	0.00
0	0	0	94.0800	0.10
0	0	0	95.0800	0.00
0	0	0	96.0800	0.00
0	0	0	97.0800	0.09
0	0	0	98.0800	0.00
0	0	0	99.0800	0.00
0	0	0	100.0800	0.00
0	0	0	101.0800	0.09
0	0	0	102.0800	0.01
0	0	0	103.0800	0.00
0	0	0	104.0800	0.08
0	0	0	105.0800	0.01
0	0	0	106.0800	0.00
0	0	0	107.0800	0.00
0	0	0	108.0800	0.08
0	0	0	109.0800	0.01
0	0	0	110.0800	0.00
0	0	0	111.0800	0.00

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	112.0800	0.06
0	0	0	113.0800	0.02
0	0	0	114.0800	0.00
0	0	0	115.0800	0.00
0	0	0	116.0800	0.05
0	0	0	117.0800	0.02
0	0	0	118.0800	0.01
0	0	0	119.0800	0.00
0	0	0	120.0800	0.05
0	0	0	121.0800	0.03
0	0	0	122.0800	0.01
0	0	0	123.0800	0.05
0	0	0	124.0800	0.03
0	0	0	125.0800	0.02
0	0	0	126.0800	0.01
0	0	0	127.0800	0.05
0	0	0	128.0800	0.03
0	0	0	129.0800	0.01
0	0	0	130.0800	0.01
0	0	0	131.0800	0.05
0	0	0	132.0800	0.03
0	0	0	133.0800	0.01
0	0	0	134.0800	0.01
0	0	0	135.0800	0.05
0	0	0	136.0800	0.03
0	0	0	137.0800	0.01
0	0	0	138.0800	0.01
0	0	0	139.0800	0.05
0	0	0	140.0800	0.03
0	0	0	141.0800	0.01
0	0	0	142.0800	0.01
0	0	0	143.0800	0.05
0	0	0	144.0800	0.03
0	0	0	145.0800	0.01
0	0	0	146.0800	0.01
0	0	0	147.0800	0.05
0	0	0	148.0800	0.03
0	0	0	149.0800	0.01
0	0	0	150.0800	0.01
0	0	0	151.0800	0.05
0	0	0	152.0800	0.03
0	0	0	153.0800	0.01
0	0	0	154.0800	0.05
0	0	0	155.0800	0.03
0	0	0	156.0800	0.02
0	0	0	157.0800	0.01
0	0	0	158.0800	0.05
0	0	0	159.0800	0.03
0	0	0	160.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	161.0800	0.01
0	0	0	162.0800	0.05
0	0	0	163.0800	0.03
0	0	0	164.0800	0.01
0	0	0	165.0800	0.01
0	0	0	166.0800	0.05
0	0	0	167.0800	0.03
0	0	0	168.0800	0.01
0	0	0	169.0800	0.01
0	0	0	170.0800	0.05
0	0	0	171.0800	0.03
0	0	0	172.0800	0.01
0	0	0	173.0800	0.01
0	0	0	174.0800	0.05
0	0	0	175.0800	0.03
0	0	0	176.0800	0.01
0	0	0	177.0800	0.01
0	0	0	178.0800	0.05
0	0	0	179.0800	0.03
0	0	0	180.0800	0.01
0	0	0	181.0800	0.01
0	0	0	182.0800	0.04
0	0	0	183.0800	0.03
0	0	0	184.0800	0.01
0	0	0	185.0800	0.01
0	0	0	186.0800	0.04
0	0	0	187.0800	0.03
0	0	0	188.0800	0.01
0	0	0	189.0800	0.05
0	0	0	190.0800	0.03
0	0	0	191.0800	0.02
0	0	0	192.0800	0.01
0	0	0	193.0800	0.04
0	0	0	194.0800	0.03
0	0	0	195.0800	0.01
0	0	0	196.0800	0.01
0	0	0	197.0800	0.04
0	0	0	198.0800	0.03
0	0	0	199.0800	0.01
0	0	0	200.0800	0.01
0	0	0	201.0800	0.04
0	0	0	202.0800	0.03
0	0	0	203.0800	0.01
0	0	0	204.0800	0.01
0	0	0	205.0800	0.04
0	0	0	206.0800	0.03
0	0	0	207.0800	0.01
0	0	0	208.0800	0.01
0	0	0	209.0800	0.04

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	210.0800	0.03
0	0	0	211.0800	0.01
0	0	0	212.0800	0.01
0	0	0	213.0800	0.04
0	0	0	214.0800	0.03
0	0	0	215.0800	0.01
0	0	0	216.0800	0.01
0	0	0	217.0800	0.04
0	0	0	218.0800	0.03
0	0	0	219.0800	0.01
0	0	0	220.0800	0.01
0	0	0	221.0800	0.04
0	0	0	222.0800	0.03
0	0	0	223.0800	0.01
0	0	0	224.0800	0.04
0	0	0	225.0800	0.03
0	0	0	226.0800	0.02
0	0	0	227.0800	0.01
0	0	0	228.0800	0.04
0	0	0	229.0800	0.03
0	0	0	230.0800	0.02
0	0	0	231.0800	0.01
0	0	0	232.0800	0.04
0	0	0	233.0800	0.03
0	0	0	234.0800	0.01
0	0	0	235.0800	0.01
0	0	0	236.0800	0.04
0	0	0	237.0800	0.03
0	0	0	238.0800	0.01
0	0	0	239.0800	0.01
0	0	0	240.0800	0.04
0	0	0	241.0800	0.03
0	0	0	242.0800	0.01
0	0	0	243.0800	0.01
0	0	0	244.0800	0.04
0	0	0	245.0800	0.02
0	0	0	246.0800	0.02
0	0	0	247.0800	0.01
0	0	0	248.0800	0.04
0	0	0	249.0800	0.02
0	0	0	250.0800	0.02
0	0	0	251.0800	0.01
0	0	0	252.0800	0.04
0	0	0	253.0800	0.02
0	0	0	254.0800	0.02
0	0	0	255.0800	0.01
0	0	0	256.0800	0.04
0	0	0	257.0800	0.02
0	0	0	258.0800	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	259.0800	0.01
0	0	0	260.0800	0.04
0	0	0	261.0800	0.02
0	0	0	262.0800	0.02
0	0	0	263.0800	0.01
0	0	0	264.0800	0.04
0	0	0	265.0800	0.02
0	0	0	266.0800	0.02
0	0	0	267.0800	0.01
0	0	0	268.0800	0.04
0	0	0	269.0800	0.02
0	0	0	270.0800	0.02
0	0	0	271.0800	0.01
0	0	0	272.0800	0.04
0	0	0	273.0800	0.02
0	0	0	274.0800	0.02
0	0	0	275.0800	0.01
0	0	0	276.0800	0.04
0	0	0	277.0800	0.02
0	0	0	278.0800	0.02
0	0	0	279.0800	0.01
0	0	0	280.0800	0.03
0	0	0	281.0800	0.02
0	0	0	282.0800	0.02
0	0	0	283.0800	0.01
0	0	0	284.0800	0.03
0	0	0	285.0800	0.02
0	0	0	286.0800	0.02
0	0	0	287.0800	0.01
0	0	0	288.0800	0.03
0	0	0	289.0800	0.02
0	0	0	290.0800	0.02
0	0	0	291.0800	0.01
0	0	0	292.0800	0.03
0	0	0	293.0800	0.02
0	0	0	294.0800	0.02
0	0	0	295.0800	0.01
0	0	0	296.0800	0.03
0	0	0	297.0800	0.02
0	0	0	298.0800	0.02
0	0	0	299.0800	0.01
0	0	0	300.0800	0.03
0	0	0	301.0800	0.02
0	0	0	302.0800	0.02
0	0	0	303.0800	0.01
0	0	0	304.0800	0.03
0	0	0	305.0800	0.02
0	0	0	306.0800	0.02
0	0	0	307.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	308.0800	0.03
0	0	0	309.0800	0.02
0	0	0	310.0800	0.02
0	0	0	311.0800	0.01
0	0	0	312.0800	0.03
0	0	0	313.0800	0.02
0	0	0	314.0800	0.02
0	0	0	315.0800	0.01
0	0	0	316.0800	0.03
0	0	0	317.0800	0.02
0	0	0	318.0800	0.02
0	0	0	319.0800	0.01
0	0	0	320.0800	0.03
0	0	0	321.0800	0.02
0	0	0	322.0800	0.02
0	0	0	323.0800	0.01
0	0	0	324.0800	0.03
0	0	0	325.0800	0.02
0	0	0	326.0800	0.02
0	0	0	327.0800	0.01
0	0	0	328.0800	0.03
0	0	0	329.0800	0.02
0	0	0	330.0800	0.02
0	0	0	331.0800	0.01
0	0	0	332.0800	0.03
0	0	0	333.0800	0.02
0	0	0	334.0800	0.02
0	0	0	335.0800	0.01
0	0	0	336.0800	0.03
0	0	0	337.0800	0.02
0	0	0	338.0800	0.02
0	0	0	339.0800	0.01
0	0	0	340.0800	0.03
0	0	0	341.0800	0.02
0	0	0	342.0800	0.02
0	0	0	343.0800	0.01
0	0	0	344.0800	0.01
0	0	0	345.0800	0.02
0	0	0	346.0800	0.02
0	0	0	347.0800	0.02
0	0	0	348.0800	0.01
0	0	0	349.0800	0.02
0	0	0	350.0800	0.02
0	0	0	351.0800	0.02
0	0	0	352.0800	0.01
0	0	0	353.0800	0.02
0	0	0	354.0800	0.02
0	0	0	355.0800	0.02
0	0	0	356.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	357.0800	0.02
0	0	0	358.0800	0.02
0	0	0	359.0800	0.02
0	0	0	360.0000	0.01

Comment: Daniels Roadway Control Str# 12

Rating Curve: CS-13

Scenario: Icpr3

Type: Time

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	0.0000	0.00
0	0	0	0.5000	0.00
0	0	0	1.0000	0.00
0	0	0	1.5000	0.00
0	0	0	2.0000	0.00
0	0	0	2.5000	0.00
0	0	0	3.0000	0.00
0	0	0	3.5000	0.00
0	0	0	4.0000	0.00
0	0	0	4.5000	0.00
0	0	0	5.0000	0.00
0	0	0	5.5000	0.00
0	0	0	6.0000	0.01
0	0	0	6.5000	0.01
0	0	0	7.0000	0.01
0	0	0	7.5000	0.01
0	0	0	8.0000	0.01
0	0	0	8.5000	0.01
0	0	0	9.0000	0.02
0	0	0	9.5000	0.02
0	0	0	10.0000	0.02
0	0	0	10.5000	0.02
0	0	0	11.0000	0.03
0	0	0	11.5000	0.03
0	0	0	12.0000	0.03
0	0	0	12.5000	0.03
0	0	0	13.0000	0.04
0	0	0	13.5000	0.04
0	0	0	14.0000	0.04
0	0	0	14.5000	0.04
0	0	0	15.0000	0.05
0	0	0	15.5000	0.05
0	0	0	16.0000	0.05
0	0	0	16.5000	0.05

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	17.0000	0.06
0	0	0	17.5000	0.06
0	0	0	18.0000	0.06
0	0	0	18.5000	0.06
0	0	0	19.0000	0.07
0	0	0	19.5000	0.07
0	0	0	20.0000	0.07
0	0	0	20.5000	0.07
0	0	0	21.0000	0.07
0	0	0	21.5000	0.08
0	0	0	22.0000	0.08
0	0	0	22.5000	0.08
0	0	0	23.0000	0.08
0	0	0	23.5000	0.09
0	0	0	24.0000	0.09
0	0	0	24.5000	0.09
0	0	0	25.0000	0.10
0	0	0	25.5000	0.10
0	0	0	26.0000	0.10
0	0	0	26.5000	0.11
0	0	0	27.0000	0.11
0	0	0	27.5000	0.12
0	0	0	28.0000	0.12
0	0	0	28.5000	0.12
0	0	0	29.0000	0.13
0	0	0	29.5000	0.13
0	0	0	30.0000	0.13
0	0	0	30.5000	0.14
0	0	0	31.0000	0.14
0	0	0	31.5000	0.14
0	0	0	32.0000	0.15
0	0	0	32.5000	0.15
0	0	0	33.0000	0.15
0	0	0	33.5000	0.15
0	0	0	34.0000	0.16
0	0	0	34.5000	0.16
0	0	0	35.0000	0.16
0	0	0	35.5000	0.16
0	0	0	36.0000	0.17
0	0	0	36.5000	0.17
0	0	0	37.0000	0.17
0	0	0	37.5000	0.17
0	0	0	38.0000	0.17
0	0	0	38.5000	0.18
0	0	0	39.0000	0.18
0	0	0	39.5000	0.18
0	0	0	40.0000	0.18
0	0	0	40.5000	0.18
0	0	0	41.0000	0.18

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	41.5000	0.18
0	0	0	42.0000	0.18
0	0	0	42.5000	0.19
0	0	0	43.0000	0.19
0	0	0	43.5000	0.19
0	0	0	44.0000	0.19
0	0	0	44.5000	0.19
0	0	0	45.0000	0.19
0	0	0	45.5000	0.19
0	0	0	46.0000	0.19
0	0	0	46.5000	0.19
0	0	0	47.0000	0.19
0	0	0	47.5000	0.19
0	0	0	48.0000	0.19
0	0	0	48.5000	0.19
0	0	0	48.7500	0.19
0	0	0	49.0000	0.19
0	0	0	49.2500	0.19
0	0	0	49.5000	0.20
0	0	0	49.7500	0.20
0	0	0	50.0000	0.20
0	0	0	50.2500	0.20
0	0	0	50.5000	0.20
0	0	0	50.7500	0.20
0	0	0	51.0000	0.21
0	0	0	51.2500	0.21
0	0	0	51.5000	0.21
0	0	0	51.7500	0.21
0	0	0	52.0000	0.21
0	0	0	52.2500	0.22
0	0	0	52.5000	0.22
0	0	0	52.7500	0.23
0	0	0	53.0000	0.23
0	0	0	53.2500	0.24
0	0	0	53.5000	0.25
0	0	0	53.7500	0.25
0	0	0	54.0000	0.26
0	0	0	54.2500	0.27
0	0	0	54.5000	0.27
0	0	0	54.7500	0.29
0	0	0	55.0000	0.30
0	0	0	55.2500	0.30
0	0	0	55.4200	0.31
0	0	0	55.5800	0.32
0	0	0	55.7500	0.33
0	0	0	55.9200	0.33
0	0	0	56.0800	0.34
0	0	0	56.2500	0.35
0	0	0	56.4200	0.36

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	56.5800	0.37
0	0	0	56.7500	0.38
0	0	0	56.9200	0.39
0	0	0	57.0800	0.40
0	0	0	57.2500	0.40
0	0	0	57.4200	0.42
0	0	0	57.5800	0.43
0	0	0	57.7500	0.44
0	0	0	57.9200	0.46
0	0	0	58.0800	0.47
0	0	0	58.2500	0.48
0	0	0	58.4200	0.50
0	0	0	58.5800	0.51
0	0	0	58.7500	0.53
0	0	0	58.9200	0.56
0	0	0	59.0800	0.58
0	0	0	59.2500	0.62
0	0	0	59.4200	0.66
0	0	0	59.5800	0.74
0	0	0	59.7500	2.49
0	0	0	59.9200	5.71
0	0	0	60.0800	8.33
0	0	0	60.2500	8.07
0	0	0	60.4200	6.95
0	0	0	60.5800	5.99
0	0	0	60.7500	5.05
0	0	0	60.9200	4.27
0	0	0	61.0800	3.68
0	0	0	61.3300	2.96
0	0	0	61.5800	2.46
0	0	0	61.8300	2.09
0	0	0	62.0800	1.80
0	0	0	62.3300	1.55
0	0	0	62.5800	1.35
0	0	0	62.8300	1.19
0	0	0	63.0800	1.07
0	0	0	63.3300	0.97
0	0	0	63.5800	0.90
0	0	0	63.8300	0.83
0	0	0	64.0800	0.79
0	0	0	64.3300	0.70
0	0	0	64.5800	0.62
0	0	0	64.8300	0.55
0	0	0	65.0800	0.49
0	0	0	65.3300	0.43
0	0	0	65.5800	0.37
0	0	0	65.8300	0.38
0	0	0	66.0800	0.33
0	0	0	66.3300	0.27

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	66.5800	0.32
0	0	0	66.8300	0.25
0	0	0	67.0800	0.31
0	0	0	67.3300	0.23
0	0	0	67.5800	0.31
0	0	0	67.8300	0.36
0	0	0	68.0800	0.23
0	0	0	68.3300	0.27
0	0	0	68.5800	0.28
0	0	0	68.8300	0.06
0	0	0	69.0800	0.19
0	0	0	69.3300	0.24
0	0	0	69.5800	0.27
0	0	0	69.8300	0.03
0	0	0	70.0800	0.18
0	0	0	70.3300	0.25
0	0	0	70.5800	0.27
0	0	0	70.8300	0.02
0	0	0	71.0800	0.19
0	0	0	71.3300	0.25
0	0	0	71.5800	0.28
0	0	0	71.8300	0.29
0	0	0	72.0800	0.28
0	0	0	73.0800	-0.11
0	0	0	74.0800	0.00
0	0	0	75.0800	0.00
0	0	0	76.0800	0.00
0	0	0	77.0800	0.00
0	0	0	78.0800	0.00
0	0	0	79.0800	0.11
0	0	0	80.0800	0.00
0	0	0	81.0800	0.00
0	0	0	82.0800	0.00
0	0	0	83.0800	0.11
0	0	0	84.0800	0.00
0	0	0	85.0800	0.00
0	0	0	86.0800	0.00
0	0	0	87.0800	0.11
0	0	0	88.0800	0.00
0	0	0	89.0800	0.00
0	0	0	90.0800	0.11
0	0	0	91.0800	0.00
0	0	0	92.0800	0.00
0	0	0	93.0800	0.00
0	0	0	94.0800	0.11
0	0	0	95.0800	0.00
0	0	0	96.0800	0.00
0	0	0	97.0800	0.10
0	0	0	98.0800	0.00

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	99.0800	0.00
0	0	0	100.0800	0.00
0	0	0	101.0800	0.10
0	0	0	102.0800	0.01
0	0	0	103.0800	0.00
0	0	0	104.0800	0.09
0	0	0	105.0800	0.01
0	0	0	106.0800	0.00
0	0	0	107.0800	0.00
0	0	0	108.0800	0.08
0	0	0	109.0800	0.02
0	0	0	110.0800	0.00
0	0	0	111.0800	0.00
0	0	0	112.0800	0.07
0	0	0	113.0800	0.02
0	0	0	114.0800	0.01
0	0	0	115.0800	0.00
0	0	0	116.0800	0.06
0	0	0	117.0800	0.03
0	0	0	118.0800	0.01
0	0	0	119.0800	0.01
0	0	0	120.0800	0.05
0	0	0	121.0800	0.03
0	0	0	122.0800	0.02
0	0	0	123.0800	0.06
0	0	0	124.0800	0.03
0	0	0	125.0800	0.02
0	0	0	126.0800	0.01
0	0	0	127.0800	0.06
0	0	0	128.0800	0.03
0	0	0	129.0800	0.02
0	0	0	130.0800	0.01
0	0	0	131.0800	0.05
0	0	0	132.0800	0.03
0	0	0	133.0800	0.02
0	0	0	134.0800	0.01
0	0	0	135.0800	0.05
0	0	0	136.0800	0.03
0	0	0	137.0800	0.02
0	0	0	138.0800	0.01
0	0	0	139.0800	0.05
0	0	0	140.0800	0.03
0	0	0	141.0800	0.02
0	0	0	142.0800	0.01
0	0	0	143.0800	0.05
0	0	0	144.0800	0.03
0	0	0	145.0800	0.02
0	0	0	146.0800	0.01
0	0	0	147.0800	0.05

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	148.0800	0.03
0	0	0	149.0800	0.02
0	0	0	150.0800	0.01
0	0	0	151.0800	0.05
0	0	0	152.0800	0.03
0	0	0	153.0800	0.02
0	0	0	154.0800	0.06
0	0	0	155.0800	0.03
0	0	0	156.0800	0.02
0	0	0	157.0800	0.01
0	0	0	158.0800	0.05
0	0	0	159.0800	0.03
0	0	0	160.0800	0.02
0	0	0	161.0800	0.01
0	0	0	162.0800	0.05
0	0	0	163.0800	0.03
0	0	0	164.0800	0.02
0	0	0	165.0800	0.01
0	0	0	166.0800	0.05
0	0	0	167.0800	0.03
0	0	0	168.0800	0.02
0	0	0	169.0800	0.01
0	0	0	170.0800	0.05
0	0	0	171.0800	0.03
0	0	0	172.0800	0.02
0	0	0	173.0800	0.01
0	0	0	174.0800	0.05
0	0	0	175.0800	0.03
0	0	0	176.0800	0.02
0	0	0	177.0800	0.01
0	0	0	178.0800	0.05
0	0	0	179.0800	0.03
0	0	0	180.0800	0.02
0	0	0	181.0800	0.01
0	0	0	182.0800	0.05
0	0	0	183.0800	0.03
0	0	0	184.0800	0.02
0	0	0	185.0800	0.01
0	0	0	186.0800	0.05
0	0	0	187.0800	0.03
0	0	0	188.0800	0.02
0	0	0	189.0800	0.05
0	0	0	190.0800	0.03
0	0	0	191.0800	0.02
0	0	0	192.0800	0.01
0	0	0	193.0800	0.05
0	0	0	194.0800	0.03
0	0	0	195.0800	0.02
0	0	0	196.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	197.0800	0.05
0	0	0	198.0800	0.03
0	0	0	199.0800	0.02
0	0	0	200.0800	0.01
0	0	0	201.0800	0.05
0	0	0	202.0800	0.03
0	0	0	203.0800	0.02
0	0	0	204.0800	0.01
0	0	0	205.0800	0.05
0	0	0	206.0800	0.03
0	0	0	207.0800	0.02
0	0	0	208.0800	0.01
0	0	0	209.0800	0.05
0	0	0	210.0800	0.03
0	0	0	211.0800	0.02
0	0	0	212.0800	0.01
0	0	0	213.0800	0.05
0	0	0	214.0800	0.03
0	0	0	215.0800	0.02
0	0	0	216.0800	0.01
0	0	0	217.0800	0.05
0	0	0	218.0800	0.03
0	0	0	219.0800	0.02
0	0	0	220.0800	0.01
0	0	0	221.0800	0.05
0	0	0	222.0800	0.03
0	0	0	223.0800	0.02
0	0	0	224.0800	0.05
0	0	0	225.0800	0.03
0	0	0	226.0800	0.02
0	0	0	227.0800	0.01
0	0	0	228.0800	0.05
0	0	0	229.0800	0.03
0	0	0	230.0800	0.02
0	0	0	231.0800	0.01
0	0	0	232.0800	0.04
0	0	0	233.0800	0.03
0	0	0	234.0800	0.02
0	0	0	235.0800	0.01
0	0	0	236.0800	0.04
0	0	0	237.0800	0.03
0	0	0	238.0800	0.02
0	0	0	239.0800	0.01
0	0	0	240.0800	0.04
0	0	0	241.0800	0.03
0	0	0	242.0800	0.02
0	0	0	243.0800	0.01
0	0	0	244.0800	0.04
0	0	0	245.0800	0.03

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	246.0800	0.02
0	0	0	247.0800	0.01
0	0	0	248.0800	0.04
0	0	0	249.0800	0.03
0	0	0	250.0800	0.02
0	0	0	251.0800	0.01
0	0	0	252.0800	0.04
0	0	0	253.0800	0.03
0	0	0	254.0800	0.02
0	0	0	255.0800	0.01
0	0	0	256.0800	0.04
0	0	0	257.0800	0.03
0	0	0	258.0800	0.02
0	0	0	259.0800	0.01
0	0	0	260.0800	0.04
0	0	0	261.0800	0.03
0	0	0	262.0800	0.02
0	0	0	263.0800	0.01
0	0	0	264.0800	0.04
0	0	0	265.0800	0.03
0	0	0	266.0800	0.02
0	0	0	267.0800	0.01
0	0	0	268.0800	0.04
0	0	0	269.0800	0.03
0	0	0	270.0800	0.02
0	0	0	271.0800	0.01
0	0	0	272.0800	0.04
0	0	0	273.0800	0.03
0	0	0	274.0800	0.02
0	0	0	275.0800	0.01
0	0	0	276.0800	0.04
0	0	0	277.0800	0.03
0	0	0	278.0800	0.02
0	0	0	279.0800	0.01
0	0	0	280.0800	0.04
0	0	0	281.0800	0.03
0	0	0	282.0800	0.02
0	0	0	283.0800	0.01
0	0	0	284.0800	0.04
0	0	0	285.0800	0.03
0	0	0	286.0800	0.02
0	0	0	287.0800	0.01
0	0	0	288.0800	0.04
0	0	0	289.0800	0.03
0	0	0	290.0800	0.02
0	0	0	291.0800	0.01
0	0	0	292.0800	0.04
0	0	0	293.0800	0.03
0	0	0	294.0800	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	295.0800	0.01
0	0	0	296.0800	0.04
0	0	0	297.0800	0.03
0	0	0	298.0800	0.02
0	0	0	299.0800	0.01
0	0	0	300.0800	0.04
0	0	0	301.0800	0.03
0	0	0	302.0800	0.02
0	0	0	303.0800	0.01
0	0	0	304.0800	0.04
0	0	0	305.0800	0.03
0	0	0	306.0800	0.02
0	0	0	307.0800	0.01
0	0	0	308.0800	0.03
0	0	0	309.0800	0.03
0	0	0	310.0800	0.02
0	0	0	311.0800	0.01
0	0	0	312.0800	0.03
0	0	0	313.0800	0.03
0	0	0	314.0800	0.02
0	0	0	315.0800	0.01
0	0	0	316.0800	0.03
0	0	0	317.0800	0.03
0	0	0	318.0800	0.02
0	0	0	319.0800	0.01
0	0	0	320.0800	0.03
0	0	0	321.0800	0.03
0	0	0	322.0800	0.02
0	0	0	323.0800	0.01
0	0	0	324.0800	0.03
0	0	0	325.0800	0.02
0	0	0	326.0800	0.02
0	0	0	327.0800	0.01
0	0	0	328.0800	0.03
0	0	0	329.0800	0.02
0	0	0	330.0800	0.02
0	0	0	331.0800	0.01
0	0	0	332.0800	0.03
0	0	0	333.0800	0.02
0	0	0	334.0800	0.02
0	0	0	335.0800	0.01
0	0	0	336.0800	0.03
0	0	0	337.0800	0.02
0	0	0	338.0800	0.02
0	0	0	339.0800	0.01
0	0	0	340.0800	0.03
0	0	0	341.0800	0.02
0	0	0	342.0800	0.02
0	0	0	343.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	344.0800	0.01
0	0	0	345.0800	0.03
0	0	0	346.0800	0.02
0	0	0	347.0800	0.02
0	0	0	348.0800	0.01
0	0	0	349.0800	0.03
0	0	0	350.0800	0.02
0	0	0	351.0800	0.02
0	0	0	352.0800	0.01
0	0	0	353.0800	0.03
0	0	0	354.0800	0.02
0	0	0	355.0800	0.02
0	0	0	356.0800	0.02
0	0	0	357.0800	0.02
0	0	0	358.0800	0.02
0	0	0	359.0800	0.02
0	0	0	360.0000	0.02

Comment: Daniels Roadway Control Str# 13

Rating Curve: CS-14

Scenario: Icpr3
Type: Time

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	0.0000	0.00
0	0	0	0.5000	0.00
0	0	0	1.0000	0.00
0	0	0	1.5000	0.00
0	0	0	2.0000	0.00
0	0	0	2.5000	0.00
0	0	0	3.0000	0.00
0	0	0	3.5000	0.00
0	0	0	4.0000	0.00
0	0	0	4.5000	0.00
0	0	0	5.0000	0.00
0	0	0	5.5000	0.00
0	0	0	6.0000	0.00
0	0	0	6.5000	0.01
0	0	0	7.0000	0.01
0	0	0	7.5000	0.01
0	0	0	8.0000	0.01
0	0	0	8.5000	0.01
0	0	0	9.0000	0.01
0	0	0	9.5000	0.02
0	0	0	10.0000	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	10.5000	0.02
0	0	0	11.0000	0.02
0	0	0	11.5000	0.02
0	0	0	12.0000	0.02
0	0	0	12.5000	0.03
0	0	0	13.0000	0.03
0	0	0	13.5000	0.03
0	0	0	14.0000	0.03
0	0	0	14.5000	0.04
0	0	0	15.0000	0.04
0	0	0	15.5000	0.04
0	0	0	16.0000	0.04
0	0	0	16.5000	0.04
0	0	0	17.0000	0.05
0	0	0	17.5000	0.05
0	0	0	18.0000	0.05
0	0	0	18.5000	0.05
0	0	0	19.0000	0.05
0	0	0	19.5000	0.06
0	0	0	20.0000	0.06
0	0	0	20.5000	0.06
0	0	0	21.0000	0.06
0	0	0	21.5000	0.06
0	0	0	22.0000	0.06
0	0	0	22.5000	0.07
0	0	0	23.0000	0.07
0	0	0	23.5000	0.07
0	0	0	24.0000	0.07
0	0	0	24.5000	0.07
0	0	0	25.0000	0.08
0	0	0	25.5000	0.08
0	0	0	26.0000	0.08
0	0	0	26.5000	0.09
0	0	0	27.0000	0.09
0	0	0	27.5000	0.09
0	0	0	28.0000	0.10
0	0	0	28.5000	0.10
0	0	0	29.0000	0.10
0	0	0	29.5000	0.11
0	0	0	30.0000	0.11
0	0	0	30.5000	0.11
0	0	0	31.0000	0.11
0	0	0	31.5000	0.12
0	0	0	32.0000	0.12
0	0	0	32.5000	0.12
0	0	0	33.0000	0.12
0	0	0	33.5000	0.13
0	0	0	34.0000	0.13
0	0	0	34.5000	0.13

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	35.0000	0.13
0	0	0	35.5000	0.13
0	0	0	36.0000	0.14
0	0	0	36.5000	0.14
0	0	0	37.0000	0.14
0	0	0	37.5000	0.14
0	0	0	38.0000	0.14
0	0	0	38.5000	0.14
0	0	0	39.0000	0.14
0	0	0	39.5000	0.15
0	0	0	40.0000	0.15
0	0	0	40.5000	0.15
0	0	0	41.0000	0.15
0	0	0	41.5000	0.15
0	0	0	42.0000	0.15
0	0	0	42.5000	0.15
0	0	0	43.0000	0.15
0	0	0	43.5000	0.15
0	0	0	44.0000	0.15
0	0	0	44.5000	0.15
0	0	0	45.0000	0.15
0	0	0	45.5000	0.15
0	0	0	46.0000	0.15
0	0	0	46.5000	0.16
0	0	0	47.0000	0.16
0	0	0	47.5000	0.16
0	0	0	48.0000	0.16
0	0	0	48.5000	0.16
0	0	0	48.7500	0.16
0	0	0	49.0000	0.16
0	0	0	49.2500	0.16
0	0	0	49.5000	0.16
0	0	0	49.7500	0.16
0	0	0	50.0000	0.16
0	0	0	50.2500	0.16
0	0	0	50.5000	0.16
0	0	0	50.7500	0.17
0	0	0	51.0000	0.17
0	0	0	51.2500	0.17
0	0	0	51.5000	0.17
0	0	0	51.7500	0.17
0	0	0	52.0000	0.17
0	0	0	52.2500	0.18
0	0	0	52.5000	0.18
0	0	0	52.7500	0.18
0	0	0	53.0000	0.19
0	0	0	53.2500	0.19
0	0	0	53.5000	0.20
0	0	0	53.7500	0.20

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	54.0000	0.21
0	0	0	54.2500	0.22
0	0	0	54.5000	0.22
0	0	0	54.7500	0.23
0	0	0	55.0000	0.24
0	0	0	55.2500	0.25
0	0	0	55.4200	0.25
0	0	0	55.5800	0.26
0	0	0	55.7500	0.27
0	0	0	55.9200	0.27
0	0	0	56.0800	0.28
0	0	0	56.2500	0.28
0	0	0	56.4200	0.29
0	0	0	56.5800	0.30
0	0	0	56.7500	0.31
0	0	0	56.9200	0.31
0	0	0	57.0800	0.32
0	0	0	57.2500	0.33
0	0	0	57.4200	0.34
0	0	0	57.5800	0.35
0	0	0	57.7500	0.36
0	0	0	57.9200	0.37
0	0	0	58.0800	0.38
0	0	0	58.2500	0.39
0	0	0	58.4200	0.41
0	0	0	58.5800	0.42
0	0	0	58.7500	0.44
0	0	0	58.9200	0.45
0	0	0	59.0800	0.47
0	0	0	59.2500	0.50
0	0	0	59.4200	0.54
0	0	0	59.5800	0.60
0	0	0	59.7500	2.03
0	0	0	59.9200	4.66
0	0	0	60.0800	6.80
0	0	0	60.2500	6.58
0	0	0	60.4200	5.67
0	0	0	60.5800	4.89
0	0	0	60.7500	4.12
0	0	0	60.9200	3.48
0	0	0	61.0800	3.00
0	0	0	61.3300	2.42
0	0	0	61.5800	2.01
0	0	0	61.8300	1.70
0	0	0	62.0800	1.47
0	0	0	62.3300	1.27
0	0	0	62.5800	1.10
0	0	0	62.8300	0.97
0	0	0	63.0800	0.88

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	63.3300	0.79
0	0	0	63.5800	0.74
0	0	0	63.8300	0.68
0	0	0	64.0800	0.64
0	0	0	64.3300	0.57
0	0	0	64.5800	0.50
0	0	0	64.8300	0.45
0	0	0	65.0800	0.40
0	0	0	65.3300	0.35
0	0	0	65.5800	0.30
0	0	0	65.8300	0.31
0	0	0	66.0800	0.27
0	0	0	66.3300	0.22
0	0	0	66.5800	0.26
0	0	0	66.8300	0.21
0	0	0	67.0800	0.25
0	0	0	67.3300	0.18
0	0	0	67.5800	0.25
0	0	0	67.8300	0.29
0	0	0	68.0800	0.19
0	0	0	68.3300	0.22
0	0	0	68.5800	0.23
0	0	0	68.8300	0.05
0	0	0	69.0800	0.15
0	0	0	69.3300	0.20
0	0	0	69.5800	0.22
0	0	0	69.8300	0.03
0	0	0	70.0800	0.15
0	0	0	70.3300	0.20
0	0	0	70.5800	0.22
0	0	0	70.8300	0.02
0	0	0	71.0800	0.15
0	0	0	71.3300	0.21
0	0	0	71.5800	0.23
0	0	0	71.8300	0.24
0	0	0	72.0800	0.23
0	0	0	73.0800	-0.09
0	0	0	74.0800	0.00
0	0	0	75.0800	0.00
0	0	0	76.0800	0.00
0	0	0	77.0800	0.00
0	0	0	78.0800	0.00
0	0	0	79.0800	0.09
0	0	0	80.0800	0.00
0	0	0	81.0800	0.00
0	0	0	82.0800	0.00
0	0	0	83.0800	0.09
0	0	0	84.0800	0.00
0	0	0	85.0800	0.00

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	86.0800	0.00
0	0	0	87.0800	0.09
0	0	0	88.0800	0.00
0	0	0	89.0800	0.00
0	0	0	90.0800	0.09
0	0	0	91.0800	0.00
0	0	0	92.0800	0.00
0	0	0	93.0800	0.00
0	0	0	94.0800	0.09
0	0	0	95.0800	0.00
0	0	0	96.0800	0.00
0	0	0	97.0800	0.08
0	0	0	98.0800	0.00
0	0	0	99.0800	0.00
0	0	0	100.0800	0.00
0	0	0	101.0800	0.08
0	0	0	102.0800	0.00
0	0	0	103.0800	0.00
0	0	0	104.0800	0.08
0	0	0	105.0800	0.01
0	0	0	106.0800	0.00
0	0	0	107.0800	0.00
0	0	0	108.0800	0.07
0	0	0	109.0800	0.01
0	0	0	110.0800	0.00
0	0	0	111.0800	0.00
0	0	0	112.0800	0.06
0	0	0	113.0800	0.02
0	0	0	114.0800	0.00
0	0	0	115.0800	0.00
0	0	0	116.0800	0.05
0	0	0	117.0800	0.02
0	0	0	118.0800	0.01
0	0	0	119.0800	0.00
0	0	0	120.0800	0.04
0	0	0	121.0800	0.02
0	0	0	122.0800	0.01
0	0	0	123.0800	0.05
0	0	0	124.0800	0.03
0	0	0	125.0800	0.01
0	0	0	126.0800	0.01
0	0	0	127.0800	0.04
0	0	0	128.0800	0.02
0	0	0	129.0800	0.01
0	0	0	130.0800	0.01
0	0	0	131.0800	0.04
0	0	0	132.0800	0.02
0	0	0	133.0800	0.01
0	0	0	134.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	135.0800	0.04
0	0	0	136.0800	0.02
0	0	0	137.0800	0.01
0	0	0	138.0800	0.01
0	0	0	139.0800	0.04
0	0	0	140.0800	0.02
0	0	0	141.0800	0.01
0	0	0	142.0800	0.01
0	0	0	143.0800	0.04
0	0	0	144.0800	0.02
0	0	0	145.0800	0.01
0	0	0	146.0800	0.01
0	0	0	147.0800	0.04
0	0	0	148.0800	0.02
0	0	0	149.0800	0.01
0	0	0	150.0800	0.01
0	0	0	151.0800	0.04
0	0	0	152.0800	0.02
0	0	0	153.0800	0.01
0	0	0	154.0800	0.05
0	0	0	155.0800	0.03
0	0	0	156.0800	0.01
0	0	0	157.0800	0.01
0	0	0	158.0800	0.04
0	0	0	159.0800	0.02
0	0	0	160.0800	0.01
0	0	0	161.0800	0.01
0	0	0	162.0800	0.04
0	0	0	163.0800	0.02
0	0	0	164.0800	0.01
0	0	0	165.0800	0.01
0	0	0	166.0800	0.04
0	0	0	167.0800	0.02
0	0	0	168.0800	0.01
0	0	0	169.0800	0.01
0	0	0	170.0800	0.04
0	0	0	171.0800	0.02
0	0	0	172.0800	0.01
0	0	0	173.0800	0.01
0	0	0	174.0800	0.04
0	0	0	175.0800	0.02
0	0	0	176.0800	0.01
0	0	0	177.0800	0.01
0	0	0	178.0800	0.04
0	0	0	179.0800	0.02
0	0	0	180.0800	0.01
0	0	0	181.0800	0.01
0	0	0	182.0800	0.04
0	0	0	183.0800	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	184.0800	0.01
0	0	0	185.0800	0.01
0	0	0	186.0800	0.04
0	0	0	187.0800	0.02
0	0	0	188.0800	0.01
0	0	0	189.0800	0.04
0	0	0	190.0800	0.03
0	0	0	191.0800	0.01
0	0	0	192.0800	0.01
0	0	0	193.0800	0.04
0	0	0	194.0800	0.02
0	0	0	195.0800	0.01
0	0	0	196.0800	0.01
0	0	0	197.0800	0.04
0	0	0	198.0800	0.02
0	0	0	199.0800	0.01
0	0	0	200.0800	0.01
0	0	0	201.0800	0.04
0	0	0	202.0800	0.02
0	0	0	203.0800	0.01
0	0	0	204.0800	0.01
0	0	0	205.0800	0.04
0	0	0	206.0800	0.02
0	0	0	207.0800	0.01
0	0	0	208.0800	0.01
0	0	0	209.0800	0.04
0	0	0	210.0800	0.02
0	0	0	211.0800	0.01
0	0	0	212.0800	0.01
0	0	0	213.0800	0.04
0	0	0	214.0800	0.02
0	0	0	215.0800	0.01
0	0	0	216.0800	0.01
0	0	0	217.0800	0.04
0	0	0	218.0800	0.02
0	0	0	219.0800	0.01
0	0	0	220.0800	0.01
0	0	0	221.0800	0.04
0	0	0	222.0800	0.02
0	0	0	223.0800	0.01
0	0	0	224.0800	0.04
0	0	0	225.0800	0.02
0	0	0	226.0800	0.01
0	0	0	227.0800	0.01
0	0	0	228.0800	0.04
0	0	0	229.0800	0.02
0	0	0	230.0800	0.01
0	0	0	231.0800	0.01
0	0	0	232.0800	0.04

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	233.0800	0.02
0	0	0	234.0800	0.01
0	0	0	235.0800	0.01
0	0	0	236.0800	0.04
0	0	0	237.0800	0.02
0	0	0	238.0800	0.01
0	0	0	239.0800	0.01
0	0	0	240.0800	0.04
0	0	0	241.0800	0.02
0	0	0	242.0800	0.01
0	0	0	243.0800	0.01
0	0	0	244.0800	0.04
0	0	0	245.0800	0.02
0	0	0	246.0800	0.01
0	0	0	247.0800	0.01
0	0	0	248.0800	0.04
0	0	0	249.0800	0.02
0	0	0	250.0800	0.01
0	0	0	251.0800	0.01
0	0	0	252.0800	0.03
0	0	0	253.0800	0.02
0	0	0	254.0800	0.01
0	0	0	255.0800	0.01
0	0	0	256.0800	0.03
0	0	0	257.0800	0.02
0	0	0	258.0800	0.01
0	0	0	259.0800	0.01
0	0	0	260.0800	0.03
0	0	0	261.0800	0.02
0	0	0	262.0800	0.01
0	0	0	263.0800	0.01
0	0	0	264.0800	0.03
0	0	0	265.0800	0.02
0	0	0	266.0800	0.01
0	0	0	267.0800	0.01
0	0	0	268.0800	0.03
0	0	0	269.0800	0.02
0	0	0	270.0800	0.01
0	0	0	271.0800	0.01
0	0	0	272.0800	0.03
0	0	0	273.0800	0.02
0	0	0	274.0800	0.01
0	0	0	275.0800	0.01
0	0	0	276.0800	0.03
0	0	0	277.0800	0.02
0	0	0	278.0800	0.01
0	0	0	279.0800	0.01
0	0	0	280.0800	0.03
0	0	0	281.0800	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	282.0800	0.01
0	0	0	283.0800	0.01
0	0	0	284.0800	0.03
0	0	0	285.0800	0.02
0	0	0	286.0800	0.01
0	0	0	287.0800	0.01
0	0	0	288.0800	0.03
0	0	0	289.0800	0.02
0	0	0	290.0800	0.01
0	0	0	291.0800	0.01
0	0	0	292.0800	0.03
0	0	0	293.0800	0.02
0	0	0	294.0800	0.01
0	0	0	295.0800	0.01
0	0	0	296.0800	0.03
0	0	0	297.0800	0.02
0	0	0	298.0800	0.01
0	0	0	299.0800	0.01
0	0	0	300.0800	0.03
0	0	0	301.0800	0.02
0	0	0	302.0800	0.01
0	0	0	303.0800	0.01
0	0	0	304.0800	0.03
0	0	0	305.0800	0.02
0	0	0	306.0800	0.01
0	0	0	307.0800	0.01
0	0	0	308.0800	0.03
0	0	0	309.0800	0.02
0	0	0	310.0800	0.01
0	0	0	311.0800	0.01
0	0	0	312.0800	0.03
0	0	0	313.0800	0.02
0	0	0	314.0800	0.01
0	0	0	315.0800	0.01
0	0	0	316.0800	0.03
0	0	0	317.0800	0.02
0	0	0	318.0800	0.02
0	0	0	319.0800	0.01
0	0	0	320.0800	0.03
0	0	0	321.0800	0.02
0	0	0	322.0800	0.02
0	0	0	323.0800	0.01
0	0	0	324.0800	0.03
0	0	0	325.0800	0.02
0	0	0	326.0800	0.02
0	0	0	327.0800	0.01
0	0	0	328.0800	0.03
0	0	0	329.0800	0.02
0	0	0	330.0800	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	331.0800	0.01
0	0	0	332.0800	0.02
0	0	0	333.0800	0.02
0	0	0	334.0800	0.02
0	0	0	335.0800	0.01
0	0	0	336.0800	0.02
0	0	0	337.0800	0.02
0	0	0	338.0800	0.02
0	0	0	339.0800	0.01
0	0	0	340.0800	0.02
0	0	0	341.0800	0.02
0	0	0	342.0800	0.02
0	0	0	343.0800	0.01
0	0	0	344.0800	0.01
0	0	0	345.0800	0.02
0	0	0	346.0800	0.02
0	0	0	347.0800	0.01
0	0	0	348.0800	0.01
0	0	0	349.0800	0.02
0	0	0	350.0800	0.02
0	0	0	351.0800	0.01
0	0	0	352.0800	0.01
0	0	0	353.0800	0.02
0	0	0	354.0800	0.02
0	0	0	355.0800	0.02
0	0	0	356.0800	0.01
0	0	0	357.0800	0.02
0	0	0	358.0800	0.02
0	0	0	359.0800	0.02
0	0	0	360.0000	0.01

Comment: Daniels Roadway Control Str# 14

Rating Curve: CS-15

Scenario: Icpr3
Type: Time

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	0.0000	0.00
0	0	0	0.5000	0.00
0	0	0	1.0000	0.00
0	0	0	1.5000	0.00
0	0	0	2.0000	0.00
0	0	0	2.5000	0.00
0	0	0	3.0000	0.00
0	0	0	3.5000	0.00

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	4.0000	0.00
0	0	0	4.5000	0.00
0	0	0	5.0000	0.00
0	0	0	5.5000	0.00
0	0	0	6.0000	0.00
0	0	0	6.5000	0.01
0	0	0	7.0000	0.01
0	0	0	7.5000	0.01
0	0	0	8.0000	0.01
0	0	0	8.5000	0.01
0	0	0	9.0000	0.01
0	0	0	9.5000	0.02
0	0	0	10.0000	0.02
0	0	0	10.5000	0.02
0	0	0	11.0000	0.02
0	0	0	11.5000	0.02
0	0	0	12.0000	0.02
0	0	0	12.5000	0.03
0	0	0	13.0000	0.03
0	0	0	13.5000	0.03
0	0	0	14.0000	0.03
0	0	0	14.5000	0.04
0	0	0	15.0000	0.04
0	0	0	15.5000	0.04
0	0	0	16.0000	0.04
0	0	0	16.5000	0.04
0	0	0	17.0000	0.05
0	0	0	17.5000	0.05
0	0	0	18.0000	0.05
0	0	0	18.5000	0.05
0	0	0	19.0000	0.05
0	0	0	19.5000	0.06
0	0	0	20.0000	0.06
0	0	0	20.5000	0.06
0	0	0	21.0000	0.06
0	0	0	21.5000	0.06
0	0	0	22.0000	0.06
0	0	0	22.5000	0.07
0	0	0	23.0000	0.07
0	0	0	23.5000	0.07
0	0	0	24.0000	0.07
0	0	0	24.5000	0.07
0	0	0	25.0000	0.08
0	0	0	25.5000	0.08
0	0	0	26.0000	0.08
0	0	0	26.5000	0.09
0	0	0	27.0000	0.09
0	0	0	27.5000	0.09
0	0	0	28.0000	0.10

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	28.5000	0.10
0	0	0	29.0000	0.10
0	0	0	29.5000	0.11
0	0	0	30.0000	0.11
0	0	0	30.5000	0.11
0	0	0	31.0000	0.11
0	0	0	31.5000	0.12
0	0	0	32.0000	0.12
0	0	0	32.5000	0.12
0	0	0	33.0000	0.12
0	0	0	33.5000	0.13
0	0	0	34.0000	0.13
0	0	0	34.5000	0.13
0	0	0	35.0000	0.13
0	0	0	35.5000	0.13
0	0	0	36.0000	0.14
0	0	0	36.5000	0.14
0	0	0	37.0000	0.14
0	0	0	37.5000	0.14
0	0	0	38.0000	0.14
0	0	0	38.5000	0.14
0	0	0	39.0000	0.14
0	0	0	39.5000	0.15
0	0	0	40.0000	0.15
0	0	0	40.5000	0.15
0	0	0	41.0000	0.15
0	0	0	41.5000	0.15
0	0	0	42.0000	0.15
0	0	0	42.5000	0.15
0	0	0	43.0000	0.15
0	0	0	43.5000	0.15
0	0	0	44.0000	0.15
0	0	0	44.5000	0.15
0	0	0	45.0000	0.15
0	0	0	45.5000	0.15
0	0	0	46.0000	0.15
0	0	0	46.5000	0.16
0	0	0	47.0000	0.16
0	0	0	47.5000	0.16
0	0	0	48.0000	0.16
0	0	0	48.5000	0.16
0	0	0	48.7500	0.16
0	0	0	49.0000	0.16
0	0	0	49.2500	0.16
0	0	0	49.5000	0.16
0	0	0	49.7500	0.16
0	0	0	50.0000	0.16
0	0	0	50.2500	0.16
0	0	0	50.5000	0.16

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	50.7500	0.17
0	0	0	51.0000	0.17
0	0	0	51.2500	0.17
0	0	0	51.5000	0.17
0	0	0	51.7500	0.17
0	0	0	52.0000	0.17
0	0	0	52.2500	0.18
0	0	0	52.5000	0.18
0	0	0	52.7500	0.18
0	0	0	53.0000	0.19
0	0	0	53.2500	0.19
0	0	0	53.5000	0.20
0	0	0	53.7500	0.20
0	0	0	54.0000	0.21
0	0	0	54.2500	0.22
0	0	0	54.5000	0.22
0	0	0	54.7500	0.23
0	0	0	55.0000	0.24
0	0	0	55.2500	0.25
0	0	0	55.4200	0.25
0	0	0	55.5800	0.26
0	0	0	55.7500	0.27
0	0	0	55.9200	0.27
0	0	0	56.0800	0.28
0	0	0	56.2500	0.28
0	0	0	56.4200	0.29
0	0	0	56.5800	0.30
0	0	0	56.7500	0.31
0	0	0	56.9200	0.31
0	0	0	57.0800	0.32
0	0	0	57.2500	0.33
0	0	0	57.4200	0.34
0	0	0	57.5800	0.35
0	0	0	57.7500	0.36
0	0	0	57.9200	0.37
0	0	0	58.0800	0.38
0	0	0	58.2500	0.39
0	0	0	58.4200	0.41
0	0	0	58.5800	0.42
0	0	0	58.7500	0.44
0	0	0	58.9200	0.45
0	0	0	59.0800	0.47
0	0	0	59.2500	0.50
0	0	0	59.4200	0.54
0	0	0	59.5800	0.60
0	0	0	59.7500	2.03
0	0	0	59.9200	4.66
0	0	0	60.0800	6.80
0	0	0	60.2500	6.58

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	60.4200	5.67
0	0	0	60.5800	4.89
0	0	0	60.7500	4.12
0	0	0	60.9200	3.48
0	0	0	61.0800	3.00
0	0	0	61.3300	2.42
0	0	0	61.5800	2.01
0	0	0	61.8300	1.70
0	0	0	62.0800	1.47
0	0	0	62.3300	1.27
0	0	0	62.5800	1.10
0	0	0	62.8300	0.97
0	0	0	63.0800	0.88
0	0	0	63.3300	0.79
0	0	0	63.5800	0.74
0	0	0	63.8300	0.68
0	0	0	64.0800	0.64
0	0	0	64.3300	0.57
0	0	0	64.5800	0.50
0	0	0	64.8300	0.45
0	0	0	65.0800	0.40
0	0	0	65.3300	0.35
0	0	0	65.5800	0.30
0	0	0	65.8300	0.31
0	0	0	66.0800	0.27
0	0	0	66.3300	0.22
0	0	0	66.5800	0.26
0	0	0	66.8300	0.21
0	0	0	67.0800	0.25
0	0	0	67.3300	0.18
0	0	0	67.5800	0.25
0	0	0	67.8300	0.29
0	0	0	68.0800	0.19
0	0	0	68.3300	0.22
0	0	0	68.5800	0.23
0	0	0	68.8300	0.05
0	0	0	69.0800	0.15
0	0	0	69.3300	0.20
0	0	0	69.5800	0.22
0	0	0	69.8300	0.03
0	0	0	70.0800	0.15
0	0	0	70.3300	0.20
0	0	0	70.5800	0.22
0	0	0	70.8300	0.02
0	0	0	71.0800	0.15
0	0	0	71.3300	0.21
0	0	0	71.5800	0.23
0	0	0	71.8300	0.24
0	0	0	72.0800	0.23

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	73.0800	-0.09
0	0	0	74.0800	0.00
0	0	0	75.0800	0.00
0	0	0	76.0800	0.00
0	0	0	77.0800	0.00
0	0	0	78.0800	0.00
0	0	0	79.0800	0.09
0	0	0	80.0800	0.00
0	0	0	81.0800	0.00
0	0	0	82.0800	0.00
0	0	0	83.0800	0.09
0	0	0	84.0800	0.00
0	0	0	85.0800	0.00
0	0	0	86.0800	0.00
0	0	0	87.0800	0.09
0	0	0	88.0800	0.00
0	0	0	89.0800	0.00
0	0	0	90.0800	0.09
0	0	0	91.0800	0.00
0	0	0	92.0800	0.00
0	0	0	93.0800	0.00
0	0	0	94.0800	0.09
0	0	0	95.0800	0.00
0	0	0	96.0800	0.00
0	0	0	97.0800	0.08
0	0	0	98.0800	0.00
0	0	0	99.0800	0.00
0	0	0	100.0800	0.00
0	0	0	101.0800	0.08
0	0	0	102.0800	0.00
0	0	0	103.0800	0.00
0	0	0	104.0800	0.08
0	0	0	105.0800	0.01
0	0	0	106.0800	0.00
0	0	0	107.0800	0.00
0	0	0	108.0800	0.07
0	0	0	109.0800	0.01
0	0	0	110.0800	0.00
0	0	0	111.0800	0.00
0	0	0	112.0800	0.06
0	0	0	113.0800	0.02
0	0	0	114.0800	0.00
0	0	0	115.0800	0.00
0	0	0	116.0800	0.05
0	0	0	117.0800	0.02
0	0	0	118.0800	0.01
0	0	0	119.0800	0.00
0	0	0	120.0800	0.04
0	0	0	121.0800	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	122.0800	0.01
0	0	0	123.0800	0.05
0	0	0	124.0800	0.03
0	0	0	125.0800	0.01
0	0	0	126.0800	0.01
0	0	0	127.0800	0.04
0	0	0	128.0800	0.02
0	0	0	129.0800	0.01
0	0	0	130.0800	0.01
0	0	0	131.0800	0.04
0	0	0	132.0800	0.02
0	0	0	133.0800	0.01
0	0	0	134.0800	0.01
0	0	0	135.0800	0.04
0	0	0	136.0800	0.02
0	0	0	137.0800	0.01
0	0	0	138.0800	0.01
0	0	0	139.0800	0.04
0	0	0	140.0800	0.02
0	0	0	141.0800	0.01
0	0	0	142.0800	0.01
0	0	0	143.0800	0.04
0	0	0	144.0800	0.02
0	0	0	145.0800	0.01
0	0	0	146.0800	0.01
0	0	0	147.0800	0.04
0	0	0	148.0800	0.02
0	0	0	149.0800	0.01
0	0	0	150.0800	0.01
0	0	0	151.0800	0.04
0	0	0	152.0800	0.02
0	0	0	153.0800	0.01
0	0	0	154.0800	0.05
0	0	0	155.0800	0.03
0	0	0	156.0800	0.01
0	0	0	157.0800	0.01
0	0	0	158.0800	0.04
0	0	0	159.0800	0.02
0	0	0	160.0800	0.01
0	0	0	161.0800	0.01
0	0	0	162.0800	0.04
0	0	0	163.0800	0.02
0	0	0	164.0800	0.01
0	0	0	165.0800	0.01
0	0	0	166.0800	0.04
0	0	0	167.0800	0.02
0	0	0	168.0800	0.01
0	0	0	169.0800	0.01
0	0	0	170.0800	0.04

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	171.0800	0.02
0	0	0	172.0800	0.01
0	0	0	173.0800	0.01
0	0	0	174.0800	0.04
0	0	0	175.0800	0.02
0	0	0	176.0800	0.01
0	0	0	177.0800	0.01
0	0	0	178.0800	0.04
0	0	0	179.0800	0.02
0	0	0	180.0800	0.01
0	0	0	181.0800	0.01
0	0	0	182.0800	0.04
0	0	0	183.0800	0.02
0	0	0	184.0800	0.01
0	0	0	185.0800	0.01
0	0	0	186.0800	0.04
0	0	0	187.0800	0.02
0	0	0	188.0800	0.01
0	0	0	189.0800	0.04
0	0	0	190.0800	0.03
0	0	0	191.0800	0.01
0	0	0	192.0800	0.01
0	0	0	193.0800	0.04
0	0	0	194.0800	0.02
0	0	0	195.0800	0.01
0	0	0	196.0800	0.01
0	0	0	197.0800	0.04
0	0	0	198.0800	0.02
0	0	0	199.0800	0.01
0	0	0	200.0800	0.01
0	0	0	201.0800	0.04
0	0	0	202.0800	0.02
0	0	0	203.0800	0.01
0	0	0	204.0800	0.01
0	0	0	205.0800	0.04
0	0	0	206.0800	0.02
0	0	0	207.0800	0.01
0	0	0	208.0800	0.01
0	0	0	209.0800	0.04
0	0	0	210.0800	0.02
0	0	0	211.0800	0.01
0	0	0	212.0800	0.01
0	0	0	213.0800	0.04
0	0	0	214.0800	0.02
0	0	0	215.0800	0.01
0	0	0	216.0800	0.01
0	0	0	217.0800	0.04
0	0	0	218.0800	0.02
0	0	0	219.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	220.0800	0.01
0	0	0	221.0800	0.04
0	0	0	222.0800	0.02
0	0	0	223.0800	0.01
0	0	0	224.0800	0.04
0	0	0	225.0800	0.02
0	0	0	226.0800	0.01
0	0	0	227.0800	0.01
0	0	0	228.0800	0.04
0	0	0	229.0800	0.02
0	0	0	230.0800	0.01
0	0	0	231.0800	0.01
0	0	0	232.0800	0.04
0	0	0	233.0800	0.02
0	0	0	234.0800	0.01
0	0	0	235.0800	0.01
0	0	0	236.0800	0.04
0	0	0	237.0800	0.02
0	0	0	238.0800	0.01
0	0	0	239.0800	0.01
0	0	0	240.0800	0.04
0	0	0	241.0800	0.02
0	0	0	242.0800	0.01
0	0	0	243.0800	0.01
0	0	0	244.0800	0.04
0	0	0	245.0800	0.02
0	0	0	246.0800	0.01
0	0	0	247.0800	0.01
0	0	0	248.0800	0.04
0	0	0	249.0800	0.02
0	0	0	250.0800	0.01
0	0	0	251.0800	0.01
0	0	0	252.0800	0.03
0	0	0	253.0800	0.02
0	0	0	254.0800	0.01
0	0	0	255.0800	0.01
0	0	0	256.0800	0.03
0	0	0	257.0800	0.02
0	0	0	258.0800	0.01
0	0	0	259.0800	0.01
0	0	0	260.0800	0.03
0	0	0	261.0800	0.02
0	0	0	262.0800	0.01
0	0	0	263.0800	0.01
0	0	0	264.0800	0.03
0	0	0	265.0800	0.02
0	0	0	266.0800	0.01
0	0	0	267.0800	0.01
0	0	0	268.0800	0.03

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	269.0800	0.02
0	0	0	270.0800	0.01
0	0	0	271.0800	0.01
0	0	0	272.0800	0.03
0	0	0	273.0800	0.02
0	0	0	274.0800	0.01
0	0	0	275.0800	0.01
0	0	0	276.0800	0.03
0	0	0	277.0800	0.02
0	0	0	278.0800	0.01
0	0	0	279.0800	0.01
0	0	0	280.0800	0.03
0	0	0	281.0800	0.02
0	0	0	282.0800	0.01
0	0	0	283.0800	0.01
0	0	0	284.0800	0.03
0	0	0	285.0800	0.02
0	0	0	286.0800	0.01
0	0	0	287.0800	0.01
0	0	0	288.0800	0.03
0	0	0	289.0800	0.02
0	0	0	290.0800	0.01
0	0	0	291.0800	0.01
0	0	0	292.0800	0.03
0	0	0	293.0800	0.02
0	0	0	294.0800	0.01
0	0	0	295.0800	0.01
0	0	0	296.0800	0.03
0	0	0	297.0800	0.02
0	0	0	298.0800	0.01
0	0	0	299.0800	0.01
0	0	0	300.0800	0.03
0	0	0	301.0800	0.02
0	0	0	302.0800	0.01
0	0	0	303.0800	0.01
0	0	0	304.0800	0.03
0	0	0	305.0800	0.02
0	0	0	306.0800	0.01
0	0	0	307.0800	0.01
0	0	0	308.0800	0.03
0	0	0	309.0800	0.02
0	0	0	310.0800	0.01
0	0	0	311.0800	0.01
0	0	0	312.0800	0.03
0	0	0	313.0800	0.02
0	0	0	314.0800	0.01
0	0	0	315.0800	0.01
0	0	0	316.0800	0.03
0	0	0	317.0800	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	318.0800	0.02
0	0	0	319.0800	0.01
0	0	0	320.0800	0.03
0	0	0	321.0800	0.02
0	0	0	322.0800	0.02
0	0	0	323.0800	0.01
0	0	0	324.0800	0.03
0	0	0	325.0800	0.02
0	0	0	326.0800	0.02
0	0	0	327.0800	0.01
0	0	0	328.0800	0.03
0	0	0	329.0800	0.02
0	0	0	330.0800	0.02
0	0	0	331.0800	0.01
0	0	0	332.0800	0.02
0	0	0	333.0800	0.02
0	0	0	334.0800	0.02
0	0	0	335.0800	0.01
0	0	0	336.0800	0.02
0	0	0	337.0800	0.02
0	0	0	338.0800	0.02
0	0	0	339.0800	0.01
0	0	0	340.0800	0.02
0	0	0	341.0800	0.02
0	0	0	342.0800	0.02
0	0	0	343.0800	0.01
0	0	0	344.0800	0.01
0	0	0	345.0800	0.02
0	0	0	346.0800	0.02
0	0	0	347.0800	0.01
0	0	0	348.0800	0.01
0	0	0	349.0800	0.02
0	0	0	350.0800	0.02
0	0	0	351.0800	0.01
0	0	0	352.0800	0.01
0	0	0	353.0800	0.02
0	0	0	354.0800	0.02
0	0	0	355.0800	0.02
0	0	0	356.0800	0.01
0	0	0	357.0800	0.02
0	0	0	358.0800	0.02
0	0	0	359.0800	0.02
0	0	0	360.0000	0.01

Comment: Daniels Roadway Control Str# 15

Rating Curve: CS-16

Scenario: Icpr3
Type: Time

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	0.0000	0.00
0	0	0	0.5000	0.00
0	0	0	1.0000	0.00
0	0	0	1.5000	0.00
0	0	0	2.0000	0.00
0	0	0	2.5000	0.00
0	0	0	3.0000	0.00
0	0	0	3.5000	0.00
0	0	0	4.0000	0.00
0	0	0	4.5000	0.00
0	0	0	5.0000	0.00
0	0	0	5.5000	0.00
0	0	0	6.0000	0.00
0	0	0	6.5000	0.00
0	0	0	7.0000	0.00
0	0	0	7.5000	0.01
0	0	0	8.0000	0.01
0	0	0	8.5000	0.01
0	0	0	9.0000	0.01
0	0	0	9.5000	0.01
0	0	0	10.0000	0.01
0	0	0	10.5000	0.01
0	0	0	11.0000	0.01
0	0	0	11.5000	0.02
0	0	0	12.0000	0.02
0	0	0	12.5000	0.02
0	0	0	13.0000	0.02
0	0	0	13.5000	0.02
0	0	0	14.0000	0.02
0	0	0	14.5000	0.02
0	0	0	15.0000	0.02
0	0	0	15.5000	0.03
0	0	0	16.0000	0.03
0	0	0	16.5000	0.03
0	0	0	17.0000	0.03
0	0	0	17.5000	0.03
0	0	0	18.0000	0.03
0	0	0	18.5000	0.03
0	0	0	19.0000	0.04
0	0	0	19.5000	0.04
0	0	0	20.0000	0.04
0	0	0	20.5000	0.04
0	0	0	21.0000	0.04
0	0	0	21.5000	0.04
0	0	0	22.0000	0.04

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	22.5000	0.04
0	0	0	23.0000	0.04
0	0	0	23.5000	0.05
0	0	0	24.0000	0.05
0	0	0	24.5000	0.05
0	0	0	25.0000	0.05
0	0	0	25.5000	0.05
0	0	0	26.0000	0.06
0	0	0	26.5000	0.06
0	0	0	27.0000	0.06
0	0	0	27.5000	0.06
0	0	0	28.0000	0.06
0	0	0	28.5000	0.07
0	0	0	29.0000	0.07
0	0	0	29.5000	0.07
0	0	0	30.0000	0.07
0	0	0	30.5000	0.07
0	0	0	31.0000	0.08
0	0	0	31.5000	0.08
0	0	0	32.0000	0.08
0	0	0	32.5000	0.08
0	0	0	33.0000	0.08
0	0	0	33.5000	0.08
0	0	0	34.0000	0.08
0	0	0	34.5000	0.09
0	0	0	35.0000	0.09
0	0	0	35.5000	0.09
0	0	0	36.0000	0.09
0	0	0	36.5000	0.09
0	0	0	37.0000	0.09
0	0	0	37.5000	0.09
0	0	0	38.0000	0.09
0	0	0	38.5000	0.09
0	0	0	39.0000	0.10
0	0	0	39.5000	0.10
0	0	0	40.0000	0.10
0	0	0	40.5000	0.10
0	0	0	41.0000	0.10
0	0	0	41.5000	0.10
0	0	0	42.0000	0.10
0	0	0	42.5000	0.10
0	0	0	43.0000	0.10
0	0	0	43.5000	0.10
0	0	0	44.0000	0.10
0	0	0	44.5000	0.10
0	0	0	45.0000	0.10
0	0	0	45.5000	0.10
0	0	0	46.0000	0.10
0	0	0	46.5000	0.10

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	47.0000	0.10
0	0	0	47.5000	0.10
0	0	0	48.0000	0.10
0	0	0	48.5000	0.10
0	0	0	48.7500	0.10
0	0	0	49.0000	0.10
0	0	0	49.2500	0.10
0	0	0	49.5000	0.11
0	0	0	49.7500	0.11
0	0	0	50.0000	0.11
0	0	0	50.2500	0.11
0	0	0	50.5000	0.11
0	0	0	50.7500	0.11
0	0	0	51.0000	0.11
0	0	0	51.2500	0.11
0	0	0	51.5000	0.11
0	0	0	51.7500	0.11
0	0	0	52.0000	0.11
0	0	0	52.2500	0.12
0	0	0	52.5000	0.12
0	0	0	52.7500	0.12
0	0	0	53.0000	0.12
0	0	0	53.2500	0.13
0	0	0	53.5000	0.13
0	0	0	53.7500	0.14
0	0	0	54.0000	0.14
0	0	0	54.2500	0.14
0	0	0	54.5000	0.15
0	0	0	54.7500	0.15
0	0	0	55.0000	0.16
0	0	0	55.2500	0.16
0	0	0	55.4200	0.17
0	0	0	55.5800	0.17
0	0	0	55.7500	0.17
0	0	0	55.9200	0.18
0	0	0	56.0800	0.18
0	0	0	56.2500	0.19
0	0	0	56.4200	0.19
0	0	0	56.5800	0.20
0	0	0	56.7500	0.20
0	0	0	56.9200	0.21
0	0	0	57.0800	0.21
0	0	0	57.2500	0.22
0	0	0	57.4200	0.22
0	0	0	57.5800	0.23
0	0	0	57.7500	0.24
0	0	0	57.9200	0.24
0	0	0	58.0800	0.25
0	0	0	58.2500	0.26

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	58.4200	0.27
0	0	0	58.5800	0.28
0	0	0	58.7500	0.29
0	0	0	58.9200	0.30
0	0	0	59.0800	0.31
0	0	0	59.2500	0.33
0	0	0	59.4200	0.35
0	0	0	59.5800	0.40
0	0	0	59.7500	1.34
0	0	0	59.9200	3.07
0	0	0	60.0800	4.48
0	0	0	60.2500	4.34
0	0	0	60.4200	3.74
0	0	0	60.5800	3.22
0	0	0	60.7500	2.71
0	0	0	60.9200	2.30
0	0	0	61.0800	1.98
0	0	0	61.3300	1.59
0	0	0	61.5800	1.32
0	0	0	61.8300	1.12
0	0	0	62.0800	0.97
0	0	0	62.3300	0.83
0	0	0	62.5800	0.73
0	0	0	62.8300	0.64
0	0	0	63.0800	0.58
0	0	0	63.3300	0.52
0	0	0	63.5800	0.49
0	0	0	63.8300	0.45
0	0	0	64.0800	0.42
0	0	0	64.3300	0.38
0	0	0	64.5800	0.33
0	0	0	64.8300	0.29
0	0	0	65.0800	0.26
0	0	0	65.3300	0.23
0	0	0	65.5800	0.20
0	0	0	65.8300	0.21
0	0	0	66.0800	0.18
0	0	0	66.3300	0.15
0	0	0	66.5800	0.17
0	0	0	66.8300	0.14
0	0	0	67.0800	0.17
0	0	0	67.3300	0.12
0	0	0	67.5800	0.16
0	0	0	67.8300	0.19
0	0	0	68.0800	0.13
0	0	0	68.3300	0.14
0	0	0	68.5800	0.15
0	0	0	68.8300	0.03
0	0	0	69.0800	0.10

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	69.3300	0.13
0	0	0	69.5800	0.14
0	0	0	69.8300	0.02
0	0	0	70.0800	0.10
0	0	0	70.3300	0.13
0	0	0	70.5800	0.15
0	0	0	70.8300	0.01
0	0	0	71.0800	0.10
0	0	0	71.3300	0.14
0	0	0	71.5800	0.15
0	0	0	71.8300	0.16
0	0	0	72.0800	0.15
0	0	0	73.0800	-0.06
0	0	0	74.0800	0.00
0	0	0	75.0800	0.00
0	0	0	76.0800	0.00
0	0	0	77.0800	0.00
0	0	0	78.0800	0.00
0	0	0	79.0800	0.06
0	0	0	80.0800	0.00
0	0	0	81.0800	0.00
0	0	0	82.0800	0.00
0	0	0	83.0800	0.06
0	0	0	84.0800	0.00
0	0	0	85.0800	0.00
0	0	0	86.0800	0.00
0	0	0	87.0800	0.06
0	0	0	88.0800	0.00
0	0	0	89.0800	0.00
0	0	0	90.0800	0.06
0	0	0	91.0800	0.00
0	0	0	92.0800	0.00
0	0	0	93.0800	0.00
0	0	0	94.0800	0.06
0	0	0	95.0800	0.00
0	0	0	96.0800	0.00
0	0	0	97.0800	0.06
0	0	0	98.0800	0.00
0	0	0	99.0800	0.00
0	0	0	100.0800	0.00
0	0	0	101.0800	0.05
0	0	0	102.0800	0.00
0	0	0	103.0800	0.00
0	0	0	104.0800	0.05
0	0	0	105.0800	0.01
0	0	0	106.0800	0.00
0	0	0	107.0800	0.00
0	0	0	108.0800	0.05
0	0	0	109.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	110.0800	0.00
0	0	0	111.0800	0.00
0	0	0	112.0800	0.04
0	0	0	113.0800	0.01
0	0	0	114.0800	0.00
0	0	0	115.0800	0.00
0	0	0	116.0800	0.03
0	0	0	117.0800	0.01
0	0	0	118.0800	0.01
0	0	0	119.0800	0.00
0	0	0	120.0800	0.03
0	0	0	121.0800	0.02
0	0	0	122.0800	0.01
0	0	0	123.0800	0.03
0	0	0	124.0800	0.02
0	0	0	125.0800	0.01
0	0	0	126.0800	0.00
0	0	0	127.0800	0.03
0	0	0	128.0800	0.02
0	0	0	129.0800	0.01
0	0	0	130.0800	0.00
0	0	0	131.0800	0.03
0	0	0	132.0800	0.02
0	0	0	133.0800	0.01
0	0	0	134.0800	0.00
0	0	0	135.0800	0.03
0	0	0	136.0800	0.02
0	0	0	137.0800	0.01
0	0	0	138.0800	0.00
0	0	0	139.0800	0.03
0	0	0	140.0800	0.02
0	0	0	141.0800	0.01
0	0	0	142.0800	0.00
0	0	0	143.0800	0.03
0	0	0	144.0800	0.02
0	0	0	145.0800	0.01
0	0	0	146.0800	0.00
0	0	0	147.0800	0.03
0	0	0	148.0800	0.02
0	0	0	149.0800	0.01
0	0	0	150.0800	0.00
0	0	0	151.0800	0.03
0	0	0	152.0800	0.02
0	0	0	153.0800	0.01
0	0	0	154.0800	0.03
0	0	0	155.0800	0.02
0	0	0	156.0800	0.01
0	0	0	157.0800	0.01
0	0	0	158.0800	0.03

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	159.0800	0.02
0	0	0	160.0800	0.01
0	0	0	161.0800	0.00
0	0	0	162.0800	0.03
0	0	0	163.0800	0.02
0	0	0	164.0800	0.01
0	0	0	165.0800	0.00
0	0	0	166.0800	0.03
0	0	0	167.0800	0.02
0	0	0	168.0800	0.01
0	0	0	169.0800	0.00
0	0	0	170.0800	0.03
0	0	0	171.0800	0.02
0	0	0	172.0800	0.01
0	0	0	173.0800	0.00
0	0	0	174.0800	0.03
0	0	0	175.0800	0.02
0	0	0	176.0800	0.01
0	0	0	177.0800	0.00
0	0	0	178.0800	0.03
0	0	0	179.0800	0.02
0	0	0	180.0800	0.01
0	0	0	181.0800	0.00
0	0	0	182.0800	0.03
0	0	0	183.0800	0.02
0	0	0	184.0800	0.01
0	0	0	185.0800	0.00
0	0	0	186.0800	0.03
0	0	0	187.0800	0.02
0	0	0	188.0800	0.01
0	0	0	189.0800	0.03
0	0	0	190.0800	0.02
0	0	0	191.0800	0.01
0	0	0	192.0800	0.01
0	0	0	193.0800	0.03
0	0	0	194.0800	0.02
0	0	0	195.0800	0.01
0	0	0	196.0800	0.00
0	0	0	197.0800	0.03
0	0	0	198.0800	0.02
0	0	0	199.0800	0.01
0	0	0	200.0800	0.00
0	0	0	201.0800	0.03
0	0	0	202.0800	0.02
0	0	0	203.0800	0.01
0	0	0	204.0800	0.00
0	0	0	205.0800	0.03
0	0	0	206.0800	0.02
0	0	0	207.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	208.0800	0.01
0	0	0	209.0800	0.03
0	0	0	210.0800	0.02
0	0	0	211.0800	0.01
0	0	0	212.0800	0.01
0	0	0	213.0800	0.03
0	0	0	214.0800	0.02
0	0	0	215.0800	0.01
0	0	0	216.0800	0.01
0	0	0	217.0800	0.02
0	0	0	218.0800	0.02
0	0	0	219.0800	0.01
0	0	0	220.0800	0.01
0	0	0	221.0800	0.02
0	0	0	222.0800	0.02
0	0	0	223.0800	0.01
0	0	0	224.0800	0.03
0	0	0	225.0800	0.02
0	0	0	226.0800	0.01
0	0	0	227.0800	0.01
0	0	0	228.0800	0.02
0	0	0	229.0800	0.02
0	0	0	230.0800	0.01
0	0	0	231.0800	0.01
0	0	0	232.0800	0.02
0	0	0	233.0800	0.02
0	0	0	234.0800	0.01
0	0	0	235.0800	0.01
0	0	0	236.0800	0.02
0	0	0	237.0800	0.02
0	0	0	238.0800	0.01
0	0	0	239.0800	0.01
0	0	0	240.0800	0.02
0	0	0	241.0800	0.02
0	0	0	242.0800	0.01
0	0	0	243.0800	0.01
0	0	0	244.0800	0.02
0	0	0	245.0800	0.01
0	0	0	246.0800	0.01
0	0	0	247.0800	0.01
0	0	0	248.0800	0.02
0	0	0	249.0800	0.01
0	0	0	250.0800	0.01
0	0	0	251.0800	0.01
0	0	0	252.0800	0.02
0	0	0	253.0800	0.01
0	0	0	254.0800	0.01
0	0	0	255.0800	0.01
0	0	0	256.0800	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	257.0800	0.01
0	0	0	258.0800	0.01
0	0	0	259.0800	0.01
0	0	0	260.0800	0.02
0	0	0	261.0800	0.01
0	0	0	262.0800	0.01
0	0	0	263.0800	0.01
0	0	0	264.0800	0.02
0	0	0	265.0800	0.01
0	0	0	266.0800	0.01
0	0	0	267.0800	0.01
0	0	0	268.0800	0.02
0	0	0	269.0800	0.01
0	0	0	270.0800	0.01
0	0	0	271.0800	0.01
0	0	0	272.0800	0.02
0	0	0	273.0800	0.01
0	0	0	274.0800	0.01
0	0	0	275.0800	0.01
0	0	0	276.0800	0.02
0	0	0	277.0800	0.01
0	0	0	278.0800	0.01
0	0	0	279.0800	0.01
0	0	0	280.0800	0.02
0	0	0	281.0800	0.01
0	0	0	282.0800	0.01
0	0	0	283.0800	0.01
0	0	0	284.0800	0.02
0	0	0	285.0800	0.01
0	0	0	286.0800	0.01
0	0	0	287.0800	0.01
0	0	0	288.0800	0.02
0	0	0	289.0800	0.01
0	0	0	290.0800	0.01
0	0	0	291.0800	0.01
0	0	0	292.0800	0.02
0	0	0	293.0800	0.01
0	0	0	294.0800	0.01
0	0	0	295.0800	0.01
0	0	0	296.0800	0.02
0	0	0	297.0800	0.01
0	0	0	298.0800	0.01
0	0	0	299.0800	0.01
0	0	0	300.0800	0.02
0	0	0	301.0800	0.01
0	0	0	302.0800	0.01
0	0	0	303.0800	0.01
0	0	0	304.0800	0.02
0	0	0	305.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	306.0800	0.01
0	0	0	307.0800	0.01
0	0	0	308.0800	0.02
0	0	0	309.0800	0.01
0	0	0	310.0800	0.01
0	0	0	311.0800	0.01
0	0	0	312.0800	0.02
0	0	0	313.0800	0.01
0	0	0	314.0800	0.01
0	0	0	315.0800	0.01
0	0	0	316.0800	0.02
0	0	0	317.0800	0.01
0	0	0	318.0800	0.01
0	0	0	319.0800	0.01
0	0	0	320.0800	0.02
0	0	0	321.0800	0.01
0	0	0	322.0800	0.01
0	0	0	323.0800	0.01
0	0	0	324.0800	0.02
0	0	0	325.0800	0.01
0	0	0	326.0800	0.01
0	0	0	327.0800	0.01
0	0	0	328.0800	0.02
0	0	0	329.0800	0.01
0	0	0	330.0800	0.01
0	0	0	331.0800	0.01
0	0	0	332.0800	0.02
0	0	0	333.0800	0.01
0	0	0	334.0800	0.01
0	0	0	335.0800	0.01
0	0	0	336.0800	0.02
0	0	0	337.0800	0.01
0	0	0	338.0800	0.01
0	0	0	339.0800	0.01
0	0	0	340.0800	0.02
0	0	0	341.0800	0.01
0	0	0	342.0800	0.01
0	0	0	343.0800	0.01
0	0	0	344.0800	0.01
0	0	0	345.0800	0.01
0	0	0	346.0800	0.01
0	0	0	347.0800	0.01
0	0	0	348.0800	0.01
0	0	0	349.0800	0.01
0	0	0	350.0800	0.01
0	0	0	351.0800	0.01
0	0	0	352.0800	0.01
0	0	0	353.0800	0.01
0	0	0	354.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	355.0800	0.01
0	0	0	356.0800	0.01
0	0	0	357.0800	0.01
0	0	0	358.0800	0.01
0	0	0	359.0800	0.01
0	0	0	360.0000	0.01

Comment: Daniels Roadway Control Str# 16

Rating Curve: CS-7

Scenario: Icpr3
Type: Time

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	0.0000	0.00
0	0	0	0.5000	0.00
0	0	0	1.0000	0.00
0	0	0	1.5000	0.00
0	0	0	2.0000	0.00
0	0	0	2.5000	0.00
0	0	0	3.0000	0.00
0	0	0	3.5000	0.00
0	0	0	4.0000	0.00
0	0	0	4.5000	0.00
0	0	0	5.0000	0.00
0	0	0	5.5000	0.00
0	0	0	6.0000	0.00
0	0	0	6.5000	0.00
0	0	0	7.0000	0.00
0	0	0	7.5000	0.00
0	0	0	8.0000	0.00
0	0	0	8.5000	0.01
0	0	0	9.0000	0.01
0	0	0	9.5000	0.01
0	0	0	10.0000	0.01
0	0	0	10.5000	0.01
0	0	0	11.0000	0.01
0	0	0	11.5000	0.01
0	0	0	12.0000	0.01
0	0	0	12.5000	0.01
0	0	0	13.0000	0.01
0	0	0	13.5000	0.01
0	0	0	14.0000	0.02
0	0	0	14.5000	0.02
0	0	0	15.0000	0.02
0	0	0	15.5000	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	16.0000	0.02
0	0	0	16.5000	0.02
0	0	0	17.0000	0.02
0	0	0	17.5000	0.02
0	0	0	18.0000	0.02
0	0	0	18.5000	0.02
0	0	0	19.0000	0.03
0	0	0	19.5000	0.03
0	0	0	20.0000	0.03
0	0	0	20.5000	0.03
0	0	0	21.0000	0.03
0	0	0	21.5000	0.03
0	0	0	22.0000	0.03
0	0	0	22.5000	0.03
0	0	0	23.0000	0.03
0	0	0	23.5000	0.03
0	0	0	24.0000	0.03
0	0	0	24.5000	0.04
0	0	0	25.0000	0.04
0	0	0	25.5000	0.04
0	0	0	26.0000	0.04
0	0	0	26.5000	0.04
0	0	0	27.0000	0.04
0	0	0	27.5000	0.05
0	0	0	28.0000	0.05
0	0	0	28.5000	0.05
0	0	0	29.0000	0.05
0	0	0	29.5000	0.05
0	0	0	30.0000	0.05
0	0	0	30.5000	0.05
0	0	0	31.0000	0.05
0	0	0	31.5000	0.06
0	0	0	32.0000	0.06
0	0	0	32.5000	0.06
0	0	0	33.0000	0.06
0	0	0	33.5000	0.06
0	0	0	34.0000	0.06
0	0	0	34.5000	0.06
0	0	0	35.0000	0.06
0	0	0	35.5000	0.06
0	0	0	36.0000	0.07
0	0	0	36.5000	0.07
0	0	0	37.0000	0.07
0	0	0	37.5000	0.07
0	0	0	38.0000	0.07
0	0	0	38.5000	0.07
0	0	0	39.0000	0.07
0	0	0	39.5000	0.07
0	0	0	40.0000	0.07

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	40.5000	0.07
0	0	0	41.0000	0.07
0	0	0	41.5000	0.07
0	0	0	42.0000	0.07
0	0	0	42.5000	0.07
0	0	0	43.0000	0.07
0	0	0	43.5000	0.07
0	0	0	44.0000	0.07
0	0	0	44.5000	0.07
0	0	0	45.0000	0.07
0	0	0	45.5000	0.07
0	0	0	46.0000	0.07
0	0	0	46.5000	0.07
0	0	0	47.0000	0.07
0	0	0	47.5000	0.07
0	0	0	48.0000	0.07
0	0	0	48.5000	0.08
0	0	0	48.7500	0.08
0	0	0	49.0000	0.08
0	0	0	49.2500	0.08
0	0	0	49.5000	0.08
0	0	0	49.7500	0.08
0	0	0	50.0000	0.08
0	0	0	50.2500	0.08
0	0	0	50.5000	0.08
0	0	0	50.7500	0.08
0	0	0	51.0000	0.08
0	0	0	51.2500	0.08
0	0	0	51.5000	0.08
0	0	0	51.7500	0.08
0	0	0	52.0000	0.08
0	0	0	52.2500	0.09
0	0	0	52.5000	0.09
0	0	0	52.7500	0.09
0	0	0	53.0000	0.09
0	0	0	53.2500	0.09
0	0	0	53.5000	0.10
0	0	0	53.7500	0.10
0	0	0	54.0000	0.10
0	0	0	54.2500	0.10
0	0	0	54.5000	0.11
0	0	0	54.7500	0.11
0	0	0	55.0000	0.12
0	0	0	55.2500	0.12
0	0	0	55.4200	0.12
0	0	0	55.5800	0.13
0	0	0	55.7500	0.13
0	0	0	55.9200	0.13
0	0	0	56.0800	0.13

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	56.2500	0.14
0	0	0	56.4200	0.14
0	0	0	56.5800	0.14
0	0	0	56.7500	0.15
0	0	0	56.9200	0.15
0	0	0	57.0800	0.16
0	0	0	57.2500	0.16
0	0	0	57.4200	0.16
0	0	0	57.5800	0.17
0	0	0	57.7500	0.17
0	0	0	57.9200	0.18
0	0	0	58.0800	0.18
0	0	0	58.2500	0.19
0	0	0	58.4200	0.20
0	0	0	58.5800	0.20
0	0	0	58.7500	0.21
0	0	0	58.9200	0.22
0	0	0	59.0800	0.23
0	0	0	59.2500	0.24
0	0	0	59.4200	0.26
0	0	0	59.5800	0.29
0	0	0	59.7500	0.98
0	0	0	59.9200	2.24
0	0	0	60.0800	3.26
0	0	0	60.2500	3.16
0	0	0	60.4200	2.72
0	0	0	60.5800	2.35
0	0	0	60.7500	1.98
0	0	0	60.9200	1.67
0	0	0	61.0800	1.44
0	0	0	61.3300	1.16
0	0	0	61.5800	0.96
0	0	0	61.8300	0.82
0	0	0	62.0800	0.71
0	0	0	62.3300	0.61
0	0	0	62.5800	0.53
0	0	0	62.8300	0.47
0	0	0	63.0800	0.42
0	0	0	63.3300	0.38
0	0	0	63.5800	0.35
0	0	0	63.8300	0.33
0	0	0	64.0800	0.31
0	0	0	64.3300	0.27
0	0	0	64.5800	0.24
0	0	0	64.8300	0.21
0	0	0	65.0800	0.19
0	0	0	65.3300	0.17
0	0	0	65.5800	0.14
0	0	0	65.8300	0.15

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	66.0800	0.13
0	0	0	66.3300	0.11
0	0	0	66.5800	0.13
0	0	0	66.8300	0.10
0	0	0	67.0800	0.12
0	0	0	67.3300	0.09
0	0	0	67.5800	0.12
0	0	0	67.8300	0.14
0	0	0	68.0800	0.09
0	0	0	68.3300	0.11
0	0	0	68.5800	0.11
0	0	0	68.8300	0.03
0	0	0	69.0800	0.07
0	0	0	69.3300	0.10
0	0	0	69.5800	0.11
0	0	0	69.8300	0.01
0	0	0	70.0800	0.07
0	0	0	70.3300	0.10
0	0	0	70.5800	0.11
0	0	0	70.8300	0.01
0	0	0	71.0800	0.07
0	0	0	71.3300	0.10
0	0	0	71.5800	0.11
0	0	0	71.8300	0.11
0	0	0	72.0800	0.11
0	0	0	73.0800	-0.04
0	0	0	74.0800	0.00
0	0	0	75.0800	0.00
0	0	0	76.0800	0.00
0	0	0	77.0800	0.00
0	0	0	78.0800	0.00
0	0	0	79.0800	0.04
0	0	0	80.0800	0.00
0	0	0	81.0800	0.00
0	0	0	82.0800	0.00
0	0	0	83.0800	0.04
0	0	0	84.0800	0.00
0	0	0	85.0800	0.00
0	0	0	86.0800	0.00
0	0	0	87.0800	0.04
0	0	0	88.0800	0.00
0	0	0	89.0800	0.00
0	0	0	90.0800	0.04
0	0	0	91.0800	0.00
0	0	0	92.0800	0.00
0	0	0	93.0800	0.00
0	0	0	94.0800	0.04
0	0	0	95.0800	0.00
0	0	0	96.0800	0.00

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	97.0800	0.04
0	0	0	98.0800	0.00
0	0	0	99.0800	0.00
0	0	0	100.0800	0.00
0	0	0	101.0800	0.04
0	0	0	102.0800	0.00
0	0	0	103.0800	0.00
0	0	0	104.0800	0.04
0	0	0	105.0800	0.00
0	0	0	106.0800	0.00
0	0	0	107.0800	0.00
0	0	0	108.0800	0.03
0	0	0	109.0800	0.01
0	0	0	110.0800	0.00
0	0	0	111.0800	0.00
0	0	0	112.0800	0.03
0	0	0	113.0800	0.01
0	0	0	114.0800	0.00
0	0	0	115.0800	0.00
0	0	0	116.0800	0.02
0	0	0	117.0800	0.01
0	0	0	118.0800	0.00
0	0	0	119.0800	0.00
0	0	0	120.0800	0.02
0	0	0	121.0800	0.01
0	0	0	122.0800	0.01
0	0	0	123.0800	0.02
0	0	0	124.0800	0.01
0	0	0	125.0800	0.01
0	0	0	126.0800	0.00
0	0	0	127.0800	0.02
0	0	0	128.0800	0.01
0	0	0	129.0800	0.01
0	0	0	130.0800	0.00
0	0	0	131.0800	0.02
0	0	0	132.0800	0.01
0	0	0	133.0800	0.01
0	0	0	134.0800	0.00
0	0	0	135.0800	0.02
0	0	0	136.0800	0.01
0	0	0	137.0800	0.01
0	0	0	138.0800	0.00
0	0	0	139.0800	0.02
0	0	0	140.0800	0.01
0	0	0	141.0800	0.01
0	0	0	142.0800	0.00
0	0	0	143.0800	0.02
0	0	0	144.0800	0.01
0	0	0	145.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	146.0800	0.00
0	0	0	147.0800	0.02
0	0	0	148.0800	0.01
0	0	0	149.0800	0.01
0	0	0	150.0800	0.00
0	0	0	151.0800	0.02
0	0	0	152.0800	0.01
0	0	0	153.0800	0.01
0	0	0	154.0800	0.02
0	0	0	155.0800	0.01
0	0	0	156.0800	0.01
0	0	0	157.0800	0.00
0	0	0	158.0800	0.02
0	0	0	159.0800	0.01
0	0	0	160.0800	0.01
0	0	0	161.0800	0.00
0	0	0	162.0800	0.02
0	0	0	163.0800	0.01
0	0	0	164.0800	0.01
0	0	0	165.0800	0.00
0	0	0	166.0800	0.02
0	0	0	167.0800	0.01
0	0	0	168.0800	0.01
0	0	0	169.0800	0.00
0	0	0	170.0800	0.02
0	0	0	171.0800	0.01
0	0	0	172.0800	0.01
0	0	0	173.0800	0.00
0	0	0	174.0800	0.02
0	0	0	175.0800	0.01
0	0	0	176.0800	0.01
0	0	0	177.0800	0.00
0	0	0	178.0800	0.02
0	0	0	179.0800	0.01
0	0	0	180.0800	0.01
0	0	0	181.0800	0.00
0	0	0	182.0800	0.02
0	0	0	183.0800	0.01
0	0	0	184.0800	0.01
0	0	0	185.0800	0.00
0	0	0	186.0800	0.02
0	0	0	187.0800	0.01
0	0	0	188.0800	0.01
0	0	0	189.0800	0.02
0	0	0	190.0800	0.01
0	0	0	191.0800	0.01
0	0	0	192.0800	0.00
0	0	0	193.0800	0.02
0	0	0	194.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	195.0800	0.01
0	0	0	196.0800	0.00
0	0	0	197.0800	0.02
0	0	0	198.0800	0.01
0	0	0	199.0800	0.01
0	0	0	200.0800	0.00
0	0	0	201.0800	0.02
0	0	0	202.0800	0.01
0	0	0	203.0800	0.01
0	0	0	204.0800	0.00
0	0	0	205.0800	0.02
0	0	0	206.0800	0.01
0	0	0	207.0800	0.01
0	0	0	208.0800	0.00
0	0	0	209.0800	0.02
0	0	0	210.0800	0.01
0	0	0	211.0800	0.01
0	0	0	212.0800	0.00
0	0	0	213.0800	0.02
0	0	0	214.0800	0.01
0	0	0	215.0800	0.01
0	0	0	216.0800	0.00
0	0	0	217.0800	0.02
0	0	0	218.0800	0.01
0	0	0	219.0800	0.01
0	0	0	220.0800	0.00
0	0	0	221.0800	0.02
0	0	0	222.0800	0.01
0	0	0	223.0800	0.01
0	0	0	224.0800	0.02
0	0	0	225.0800	0.01
0	0	0	226.0800	0.01
0	0	0	227.0800	0.00
0	0	0	228.0800	0.02
0	0	0	229.0800	0.01
0	0	0	230.0800	0.01
0	0	0	231.0800	0.00
0	0	0	232.0800	0.02
0	0	0	233.0800	0.01
0	0	0	234.0800	0.01
0	0	0	235.0800	0.00
0	0	0	236.0800	0.02
0	0	0	237.0800	0.01
0	0	0	238.0800	0.01
0	0	0	239.0800	0.00
0	0	0	240.0800	0.02
0	0	0	241.0800	0.01
0	0	0	242.0800	0.01
0	0	0	243.0800	0.00

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	244.0800	0.02
0	0	0	245.0800	0.01
0	0	0	246.0800	0.01
0	0	0	247.0800	0.00
0	0	0	248.0800	0.02
0	0	0	249.0800	0.01
0	0	0	250.0800	0.01
0	0	0	251.0800	0.00
0	0	0	252.0800	0.02
0	0	0	253.0800	0.01
0	0	0	254.0800	0.01
0	0	0	255.0800	0.00
0	0	0	256.0800	0.02
0	0	0	257.0800	0.01
0	0	0	258.0800	0.01
0	0	0	259.0800	0.00
0	0	0	260.0800	0.02
0	0	0	261.0800	0.01
0	0	0	262.0800	0.01
0	0	0	263.0800	0.00
0	0	0	264.0800	0.02
0	0	0	265.0800	0.01
0	0	0	266.0800	0.01
0	0	0	267.0800	0.00
0	0	0	268.0800	0.02
0	0	0	269.0800	0.01
0	0	0	270.0800	0.01
0	0	0	271.0800	0.00
0	0	0	272.0800	0.02
0	0	0	273.0800	0.01
0	0	0	274.0800	0.01
0	0	0	275.0800	0.00
0	0	0	276.0800	0.02
0	0	0	277.0800	0.01
0	0	0	278.0800	0.01
0	0	0	279.0800	0.00
0	0	0	280.0800	0.02
0	0	0	281.0800	0.01
0	0	0	282.0800	0.01
0	0	0	283.0800	0.00
0	0	0	284.0800	0.02
0	0	0	285.0800	0.01
0	0	0	286.0800	0.01
0	0	0	287.0800	0.00
0	0	0	288.0800	0.01
0	0	0	289.0800	0.01
0	0	0	290.0800	0.01
0	0	0	291.0800	0.00
0	0	0	292.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	293.0800	0.01
0	0	0	294.0800	0.01
0	0	0	295.0800	0.00
0	0	0	296.0800	0.01
0	0	0	297.0800	0.01
0	0	0	298.0800	0.01
0	0	0	299.0800	0.00
0	0	0	300.0800	0.01
0	0	0	301.0800	0.01
0	0	0	302.0800	0.01
0	0	0	303.0800	0.00
0	0	0	304.0800	0.01
0	0	0	305.0800	0.01
0	0	0	306.0800	0.01
0	0	0	307.0800	0.00
0	0	0	308.0800	0.01
0	0	0	309.0800	0.01
0	0	0	310.0800	0.01
0	0	0	311.0800	0.00
0	0	0	312.0800	0.01
0	0	0	313.0800	0.01
0	0	0	314.0800	0.01
0	0	0	315.0800	0.01
0	0	0	316.0800	0.01
0	0	0	317.0800	0.01
0	0	0	318.0800	0.01
0	0	0	319.0800	0.01
0	0	0	320.0800	0.01
0	0	0	321.0800	0.01
0	0	0	322.0800	0.01
0	0	0	323.0800	0.01
0	0	0	324.0800	0.01
0	0	0	325.0800	0.01
0	0	0	326.0800	0.01
0	0	0	327.0800	0.01
0	0	0	328.0800	0.01
0	0	0	329.0800	0.01
0	0	0	330.0800	0.01
0	0	0	331.0800	0.01
0	0	0	332.0800	0.01
0	0	0	333.0800	0.01
0	0	0	334.0800	0.01
0	0	0	335.0800	0.01
0	0	0	336.0800	0.01
0	0	0	337.0800	0.01
0	0	0	338.0800	0.01
0	0	0	339.0800	0.01
0	0	0	340.0800	0.01
0	0	0	341.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	342.0800	0.01
0	0	0	343.0800	0.01
0	0	0	344.0800	0.00
0	0	0	345.0800	0.01
0	0	0	346.0800	0.01
0	0	0	347.0800	0.01
0	0	0	348.0800	0.01
0	0	0	349.0800	0.01
0	0	0	350.0800	0.01
0	0	0	351.0800	0.01
0	0	0	352.0800	0.01
0	0	0	353.0800	0.01
0	0	0	354.0800	0.01
0	0	0	355.0800	0.01
0	0	0	356.0800	0.01
0	0	0	357.0800	0.01
0	0	0	358.0800	0.01
0	0	0	359.0800	0.01
0	0	0	360.0000	0.01

Comment: Daniels Roadway Control Str# 7

Rating Curve: CS-8

Scenario: Icpr3
Type: Time

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	0.0000	0.00
0	0	0	0.5000	0.00
0	0	0	1.0000	0.00
0	0	0	1.5000	0.00
0	0	0	2.0000	0.00
0	0	0	2.5000	0.00
0	0	0	3.0000	0.00
0	0	0	3.5000	0.00
0	0	0	4.0000	0.00
0	0	0	4.5000	0.00
0	0	0	5.0000	0.00
0	0	0	5.5000	0.00
0	0	0	6.0000	0.00
0	0	0	6.5000	0.00
0	0	0	7.0000	0.01
0	0	0	7.5000	0.01
0	0	0	8.0000	0.01
0	0	0	8.5000	0.01
0	0	0	9.0000	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	9.5000	0.01
0	0	0	10.0000	0.01
0	0	0	10.5000	0.01
0	0	0	11.0000	0.02
0	0	0	11.5000	0.02
0	0	0	12.0000	0.02
0	0	0	12.5000	0.02
0	0	0	13.0000	0.02
0	0	0	13.5000	0.02
0	0	0	14.0000	0.02
0	0	0	14.5000	0.03
0	0	0	15.0000	0.03
0	0	0	15.5000	0.03
0	0	0	16.0000	0.03
0	0	0	16.5000	0.03
0	0	0	17.0000	0.03
0	0	0	17.5000	0.04
0	0	0	18.0000	0.04
0	0	0	18.5000	0.04
0	0	0	19.0000	0.04
0	0	0	19.5000	0.04
0	0	0	20.0000	0.04
0	0	0	20.5000	0.04
0	0	0	21.0000	0.05
0	0	0	21.5000	0.05
0	0	0	22.0000	0.05
0	0	0	22.5000	0.05
0	0	0	23.0000	0.05
0	0	0	23.5000	0.05
0	0	0	24.0000	0.05
0	0	0	24.5000	0.05
0	0	0	25.0000	0.06
0	0	0	25.5000	0.06
0	0	0	26.0000	0.06
0	0	0	26.5000	0.07
0	0	0	27.0000	0.07
0	0	0	27.5000	0.07
0	0	0	28.0000	0.07
0	0	0	28.5000	0.07
0	0	0	29.0000	0.08
0	0	0	29.5000	0.08
0	0	0	30.0000	0.08
0	0	0	30.5000	0.08
0	0	0	31.0000	0.09
0	0	0	31.5000	0.09
0	0	0	32.0000	0.09
0	0	0	32.5000	0.09
0	0	0	33.0000	0.09
0	0	0	33.5000	0.09

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	34.0000	0.10
0	0	0	34.5000	0.10
0	0	0	35.0000	0.10
0	0	0	35.5000	0.10
0	0	0	36.0000	0.10
0	0	0	36.5000	0.10
0	0	0	37.0000	0.10
0	0	0	37.5000	0.10
0	0	0	38.0000	0.11
0	0	0	38.5000	0.11
0	0	0	39.0000	0.11
0	0	0	39.5000	0.11
0	0	0	40.0000	0.11
0	0	0	40.5000	0.11
0	0	0	41.0000	0.11
0	0	0	41.5000	0.11
0	0	0	42.0000	0.11
0	0	0	42.5000	0.11
0	0	0	43.0000	0.11
0	0	0	43.5000	0.11
0	0	0	44.0000	0.11
0	0	0	44.5000	0.11
0	0	0	45.0000	0.11
0	0	0	45.5000	0.11
0	0	0	46.0000	0.11
0	0	0	46.5000	0.12
0	0	0	47.0000	0.12
0	0	0	47.5000	0.12
0	0	0	48.0000	0.12
0	0	0	48.5000	0.12
0	0	0	48.7500	0.12
0	0	0	49.0000	0.12
0	0	0	49.2500	0.12
0	0	0	49.5000	0.12
0	0	0	49.7500	0.12
0	0	0	50.0000	0.12
0	0	0	50.2500	0.12
0	0	0	50.5000	0.12
0	0	0	50.7500	0.12
0	0	0	51.0000	0.12
0	0	0	51.2500	0.13
0	0	0	51.5000	0.13
0	0	0	51.7500	0.13
0	0	0	52.0000	0.13
0	0	0	52.2500	0.13
0	0	0	52.5000	0.14
0	0	0	52.7500	0.14
0	0	0	53.0000	0.14
0	0	0	53.2500	0.14

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	53.5000	0.15
0	0	0	53.7500	0.15
0	0	0	54.0000	0.16
0	0	0	54.2500	0.16
0	0	0	54.5000	0.17
0	0	0	54.7500	0.17
0	0	0	55.0000	0.18
0	0	0	55.2500	0.18
0	0	0	55.4200	0.19
0	0	0	55.5800	0.19
0	0	0	55.7500	0.20
0	0	0	55.9200	0.20
0	0	0	56.0800	0.21
0	0	0	56.2500	0.21
0	0	0	56.4200	0.22
0	0	0	56.5800	0.22
0	0	0	56.7500	0.23
0	0	0	56.9200	0.23
0	0	0	57.0800	0.24
0	0	0	57.2500	0.25
0	0	0	57.4200	0.25
0	0	0	57.5800	0.26
0	0	0	57.7500	0.27
0	0	0	57.9200	0.28
0	0	0	58.0800	0.28
0	0	0	58.2500	0.29
0	0	0	58.4200	0.30
0	0	0	58.5800	0.31
0	0	0	58.7500	0.32
0	0	0	58.9200	0.34
0	0	0	59.0800	0.35
0	0	0	59.2500	0.37
0	0	0	59.4200	0.40
0	0	0	59.5800	0.45
0	0	0	59.7500	1.51
0	0	0	59.9200	3.46
0	0	0	60.0800	5.05
0	0	0	60.2500	4.89
0	0	0	60.4200	4.22
0	0	0	60.5800	3.63
0	0	0	60.7500	3.06
0	0	0	60.9200	2.59
0	0	0	61.0800	2.23
0	0	0	61.3300	1.80
0	0	0	61.5800	1.49
0	0	0	61.8300	1.26
0	0	0	62.0800	1.09
0	0	0	62.3300	0.94
0	0	0	62.5800	0.82

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	62.8300	0.72
0	0	0	63.0800	0.65
0	0	0	63.3300	0.59
0	0	0	63.5800	0.55
0	0	0	63.8300	0.50
0	0	0	64.0800	0.48
0	0	0	64.3300	0.43
0	0	0	64.5800	0.37
0	0	0	64.8300	0.33
0	0	0	65.0800	0.29
0	0	0	65.3300	0.26
0	0	0	65.5800	0.22
0	0	0	65.8300	0.23
0	0	0	66.0800	0.20
0	0	0	66.3300	0.17
0	0	0	66.5800	0.19
0	0	0	66.8300	0.15
0	0	0	67.0800	0.19
0	0	0	67.3300	0.14
0	0	0	67.5800	0.18
0	0	0	67.8300	0.22
0	0	0	68.0800	0.14
0	0	0	68.3300	0.16
0	0	0	68.5800	0.17
0	0	0	68.8300	0.04
0	0	0	69.0800	0.11
0	0	0	69.3300	0.15
0	0	0	69.5800	0.16
0	0	0	69.8300	0.02
0	0	0	70.0800	0.11
0	0	0	70.3300	0.15
0	0	0	70.5800	0.17
0	0	0	70.8300	0.01
0	0	0	71.0800	0.11
0	0	0	71.3300	0.15
0	0	0	71.5800	0.17
0	0	0	71.8300	0.18
0	0	0	72.0800	0.17
0	0	0	73.0800	-0.07
0	0	0	74.0800	0.00
0	0	0	75.0800	0.00
0	0	0	76.0800	0.00
0	0	0	77.0800	0.00
0	0	0	78.0800	0.00
0	0	0	79.0800	0.07
0	0	0	80.0800	0.00
0	0	0	81.0800	0.00
0	0	0	82.0800	0.00
0	0	0	83.0800	0.07

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	84.0800	0.00
0	0	0	85.0800	0.00
0	0	0	86.0800	0.00
0	0	0	87.0800	0.07
0	0	0	88.0800	0.00
0	0	0	89.0800	0.00
0	0	0	90.0800	0.07
0	0	0	91.0800	0.00
0	0	0	92.0800	0.00
0	0	0	93.0800	0.00
0	0	0	94.0800	0.06
0	0	0	95.0800	0.00
0	0	0	96.0800	0.00
0	0	0	97.0800	0.06
0	0	0	98.0800	0.00
0	0	0	99.0800	0.00
0	0	0	100.0800	0.00
0	0	0	101.0800	0.06
0	0	0	102.0800	0.00
0	0	0	103.0800	0.00
0	0	0	104.0800	0.06
0	0	0	105.0800	0.01
0	0	0	106.0800	0.00
0	0	0	107.0800	0.00
0	0	0	108.0800	0.05
0	0	0	109.0800	0.01
0	0	0	110.0800	0.00
0	0	0	111.0800	0.00
0	0	0	112.0800	0.04
0	0	0	113.0800	0.01
0	0	0	114.0800	0.00
0	0	0	115.0800	0.00
0	0	0	116.0800	0.04
0	0	0	117.0800	0.02
0	0	0	118.0800	0.01
0	0	0	119.0800	0.00
0	0	0	120.0800	0.03
0	0	0	121.0800	0.02
0	0	0	122.0800	0.01
0	0	0	123.0800	0.04
0	0	0	124.0800	0.02
0	0	0	125.0800	0.01
0	0	0	126.0800	0.01
0	0	0	127.0800	0.03
0	0	0	128.0800	0.02
0	0	0	129.0800	0.01
0	0	0	130.0800	0.01
0	0	0	131.0800	0.03
0	0	0	132.0800	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	133.0800	0.01
0	0	0	134.0800	0.01
0	0	0	135.0800	0.03
0	0	0	136.0800	0.02
0	0	0	137.0800	0.01
0	0	0	138.0800	0.01
0	0	0	139.0800	0.03
0	0	0	140.0800	0.02
0	0	0	141.0800	0.01
0	0	0	142.0800	0.01
0	0	0	143.0800	0.03
0	0	0	144.0800	0.02
0	0	0	145.0800	0.01
0	0	0	146.0800	0.01
0	0	0	147.0800	0.03
0	0	0	148.0800	0.02
0	0	0	149.0800	0.01
0	0	0	150.0800	0.01
0	0	0	151.0800	0.03
0	0	0	152.0800	0.02
0	0	0	153.0800	0.01
0	0	0	154.0800	0.03
0	0	0	155.0800	0.02
0	0	0	156.0800	0.01
0	0	0	157.0800	0.01
0	0	0	158.0800	0.03
0	0	0	159.0800	0.02
0	0	0	160.0800	0.01
0	0	0	161.0800	0.01
0	0	0	162.0800	0.03
0	0	0	163.0800	0.02
0	0	0	164.0800	0.01
0	0	0	165.0800	0.01
0	0	0	166.0800	0.03
0	0	0	167.0800	0.02
0	0	0	168.0800	0.01
0	0	0	169.0800	0.01
0	0	0	170.0800	0.03
0	0	0	171.0800	0.02
0	0	0	172.0800	0.01
0	0	0	173.0800	0.01
0	0	0	174.0800	0.03
0	0	0	175.0800	0.02
0	0	0	176.0800	0.01
0	0	0	177.0800	0.01
0	0	0	178.0800	0.03
0	0	0	179.0800	0.02
0	0	0	180.0800	0.01
0	0	0	181.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	182.0800	0.03
0	0	0	183.0800	0.02
0	0	0	184.0800	0.01
0	0	0	185.0800	0.01
0	0	0	186.0800	0.03
0	0	0	187.0800	0.02
0	0	0	188.0800	0.01
0	0	0	189.0800	0.03
0	0	0	190.0800	0.02
0	0	0	191.0800	0.01
0	0	0	192.0800	0.01
0	0	0	193.0800	0.03
0	0	0	194.0800	0.02
0	0	0	195.0800	0.01
0	0	0	196.0800	0.01
0	0	0	197.0800	0.03
0	0	0	198.0800	0.02
0	0	0	199.0800	0.01
0	0	0	200.0800	0.01
0	0	0	201.0800	0.03
0	0	0	202.0800	0.02
0	0	0	203.0800	0.01
0	0	0	204.0800	0.01
0	0	0	205.0800	0.03
0	0	0	206.0800	0.02
0	0	0	207.0800	0.01
0	0	0	208.0800	0.01
0	0	0	209.0800	0.03
0	0	0	210.0800	0.02
0	0	0	211.0800	0.01
0	0	0	212.0800	0.01
0	0	0	213.0800	0.03
0	0	0	214.0800	0.02
0	0	0	215.0800	0.01
0	0	0	216.0800	0.01
0	0	0	217.0800	0.03
0	0	0	218.0800	0.02
0	0	0	219.0800	0.01
0	0	0	220.0800	0.01
0	0	0	221.0800	0.03
0	0	0	222.0800	0.02
0	0	0	223.0800	0.01
0	0	0	224.0800	0.03
0	0	0	225.0800	0.02
0	0	0	226.0800	0.01
0	0	0	227.0800	0.01
0	0	0	228.0800	0.03
0	0	0	229.0800	0.02
0	0	0	230.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	231.0800	0.01
0	0	0	232.0800	0.03
0	0	0	233.0800	0.02
0	0	0	234.0800	0.01
0	0	0	235.0800	0.01
0	0	0	236.0800	0.03
0	0	0	237.0800	0.02
0	0	0	238.0800	0.01
0	0	0	239.0800	0.01
0	0	0	240.0800	0.03
0	0	0	241.0800	0.02
0	0	0	242.0800	0.01
0	0	0	243.0800	0.01
0	0	0	244.0800	0.03
0	0	0	245.0800	0.02
0	0	0	246.0800	0.01
0	0	0	247.0800	0.01
0	0	0	248.0800	0.03
0	0	0	249.0800	0.02
0	0	0	250.0800	0.01
0	0	0	251.0800	0.01
0	0	0	252.0800	0.03
0	0	0	253.0800	0.02
0	0	0	254.0800	0.01
0	0	0	255.0800	0.01
0	0	0	256.0800	0.03
0	0	0	257.0800	0.02
0	0	0	258.0800	0.01
0	0	0	259.0800	0.01
0	0	0	260.0800	0.03
0	0	0	261.0800	0.02
0	0	0	262.0800	0.01
0	0	0	263.0800	0.01
0	0	0	264.0800	0.02
0	0	0	265.0800	0.02
0	0	0	266.0800	0.01
0	0	0	267.0800	0.01
0	0	0	268.0800	0.02
0	0	0	269.0800	0.02
0	0	0	270.0800	0.01
0	0	0	271.0800	0.01
0	0	0	272.0800	0.02
0	0	0	273.0800	0.02
0	0	0	274.0800	0.01
0	0	0	275.0800	0.01
0	0	0	276.0800	0.02
0	0	0	277.0800	0.02
0	0	0	278.0800	0.01
0	0	0	279.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	280.0800	0.02
0	0	0	281.0800	0.02
0	0	0	282.0800	0.01
0	0	0	283.0800	0.01
0	0	0	284.0800	0.02
0	0	0	285.0800	0.02
0	0	0	286.0800	0.01
0	0	0	287.0800	0.01
0	0	0	288.0800	0.02
0	0	0	289.0800	0.02
0	0	0	290.0800	0.01
0	0	0	291.0800	0.01
0	0	0	292.0800	0.02
0	0	0	293.0800	0.02
0	0	0	294.0800	0.01
0	0	0	295.0800	0.01
0	0	0	296.0800	0.02
0	0	0	297.0800	0.02
0	0	0	298.0800	0.01
0	0	0	299.0800	0.01
0	0	0	300.0800	0.02
0	0	0	301.0800	0.02
0	0	0	302.0800	0.01
0	0	0	303.0800	0.01
0	0	0	304.0800	0.02
0	0	0	305.0800	0.02
0	0	0	306.0800	0.01
0	0	0	307.0800	0.01
0	0	0	308.0800	0.02
0	0	0	309.0800	0.02
0	0	0	310.0800	0.01
0	0	0	311.0800	0.01
0	0	0	312.0800	0.02
0	0	0	313.0800	0.02
0	0	0	314.0800	0.01
0	0	0	315.0800	0.01
0	0	0	316.0800	0.02
0	0	0	317.0800	0.02
0	0	0	318.0800	0.01
0	0	0	319.0800	0.01
0	0	0	320.0800	0.02
0	0	0	321.0800	0.02
0	0	0	322.0800	0.01
0	0	0	323.0800	0.01
0	0	0	324.0800	0.02
0	0	0	325.0800	0.02
0	0	0	326.0800	0.01
0	0	0	327.0800	0.01
0	0	0	328.0800	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	329.0800	0.01
0	0	0	330.0800	0.01
0	0	0	331.0800	0.01
0	0	0	332.0800	0.02
0	0	0	333.0800	0.01
0	0	0	334.0800	0.01
0	0	0	335.0800	0.01
0	0	0	336.0800	0.02
0	0	0	337.0800	0.01
0	0	0	338.0800	0.01
0	0	0	339.0800	0.01
0	0	0	340.0800	0.02
0	0	0	341.0800	0.01
0	0	0	342.0800	0.01
0	0	0	343.0800	0.01
0	0	0	344.0800	0.01
0	0	0	345.0800	0.02
0	0	0	346.0800	0.01
0	0	0	347.0800	0.01
0	0	0	348.0800	0.01
0	0	0	349.0800	0.02
0	0	0	350.0800	0.01
0	0	0	351.0800	0.01
0	0	0	352.0800	0.01
0	0	0	353.0800	0.02
0	0	0	354.0800	0.01
0	0	0	355.0800	0.01
0	0	0	356.0800	0.01
0	0	0	357.0800	0.01
0	0	0	358.0800	0.01
0	0	0	359.0800	0.01
0	0	0	360.0000	0.01

Comment: Daniels Roadway Control Str# 8

Rating Curve: CS-9

Scenario: Icpr3
Type: Time

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	0.0000	0.00
0	0	0	0.5000	0.00
0	0	0	1.0000	0.00
0	0	0	1.5000	0.00
0	0	0	2.0000	0.00
0	0	0	2.5000	0.00

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	3.0000	0.00
0	0	0	3.5000	0.00
0	0	0	4.0000	0.00
0	0	0	4.5000	0.00
0	0	0	5.0000	0.00
0	0	0	5.5000	0.01
0	0	0	6.0000	0.01
0	0	0	6.5000	0.01
0	0	0	7.0000	0.01
0	0	0	7.5000	0.01
0	0	0	8.0000	0.01
0	0	0	8.5000	0.02
0	0	0	9.0000	0.02
0	0	0	9.5000	0.02
0	0	0	10.0000	0.02
0	0	0	10.5000	0.03
0	0	0	11.0000	0.03
0	0	0	11.5000	0.03
0	0	0	12.0000	0.04
0	0	0	12.5000	0.04
0	0	0	13.0000	0.04
0	0	0	13.5000	0.05
0	0	0	14.0000	0.05
0	0	0	14.5000	0.05
0	0	0	15.0000	0.05
0	0	0	15.5000	0.06
0	0	0	16.0000	0.06
0	0	0	16.5000	0.06
0	0	0	17.0000	0.07
0	0	0	17.5000	0.07
0	0	0	18.0000	0.07
0	0	0	18.5000	0.08
0	0	0	19.0000	0.08
0	0	0	19.5000	0.08
0	0	0	20.0000	0.08
0	0	0	20.5000	0.09
0	0	0	21.0000	0.09
0	0	0	21.5000	0.09
0	0	0	22.0000	0.09
0	0	0	22.5000	0.10
0	0	0	23.0000	0.10
0	0	0	23.5000	0.10
0	0	0	24.0000	0.10
0	0	0	24.5000	0.11
0	0	0	25.0000	0.11
0	0	0	25.5000	0.12
0	0	0	26.0000	0.12
0	0	0	26.5000	0.13
0	0	0	27.0000	0.13

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	27.5000	0.14
0	0	0	28.0000	0.14
0	0	0	28.5000	0.15
0	0	0	29.0000	0.15
0	0	0	29.5000	0.16
0	0	0	30.0000	0.16
0	0	0	30.5000	0.16
0	0	0	31.0000	0.17
0	0	0	31.5000	0.17
0	0	0	32.0000	0.17
0	0	0	32.5000	0.18
0	0	0	33.0000	0.18
0	0	0	33.5000	0.18
0	0	0	34.0000	0.19
0	0	0	34.5000	0.19
0	0	0	35.0000	0.19
0	0	0	35.5000	0.19
0	0	0	36.0000	0.20
0	0	0	36.5000	0.20
0	0	0	37.0000	0.20
0	0	0	37.5000	0.20
0	0	0	38.0000	0.21
0	0	0	38.5000	0.21
0	0	0	39.0000	0.21
0	0	0	39.5000	0.21
0	0	0	40.0000	0.21
0	0	0	40.5000	0.21
0	0	0	41.0000	0.22
0	0	0	41.5000	0.22
0	0	0	42.0000	0.22
0	0	0	42.5000	0.22
0	0	0	43.0000	0.22
0	0	0	43.5000	0.22
0	0	0	44.0000	0.22
0	0	0	44.5000	0.22
0	0	0	45.0000	0.22
0	0	0	45.5000	0.22
0	0	0	46.0000	0.22
0	0	0	46.5000	0.23
0	0	0	47.0000	0.23
0	0	0	47.5000	0.23
0	0	0	48.0000	0.23
0	0	0	48.5000	0.23
0	0	0	48.7500	0.23
0	0	0	49.0000	0.23
0	0	0	49.2500	0.23
0	0	0	49.5000	0.23
0	0	0	49.7500	0.23
0	0	0	50.0000	0.24

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	50.2500	0.23
0	0	0	50.5000	0.24
0	0	0	50.7500	0.24
0	0	0	51.0000	0.24
0	0	0	51.2500	0.25
0	0	0	51.5000	0.25
0	0	0	51.7500	0.25
0	0	0	52.0000	0.25
0	0	0	52.2500	0.26
0	0	0	52.5000	0.27
0	0	0	52.7500	0.27
0	0	0	53.0000	0.27
0	0	0	53.2500	0.28
0	0	0	53.5000	0.29
0	0	0	53.7500	0.30
0	0	0	54.0000	0.31
0	0	0	54.2500	0.32
0	0	0	54.5000	0.33
0	0	0	54.7500	0.34
0	0	0	55.0000	0.35
0	0	0	55.2500	0.36
0	0	0	55.4200	0.37
0	0	0	55.5800	0.38
0	0	0	55.7500	0.39
0	0	0	55.9200	0.40
0	0	0	56.0800	0.41
0	0	0	56.2500	0.41
0	0	0	56.4200	0.43
0	0	0	56.5800	0.44
0	0	0	56.7500	0.45
0	0	0	56.9200	0.46
0	0	0	57.0800	0.47
0	0	0	57.2500	0.48
0	0	0	57.4200	0.50
0	0	0	57.5800	0.51
0	0	0	57.7500	0.52
0	0	0	57.9200	0.54
0	0	0	58.0800	0.55
0	0	0	58.2500	0.57
0	0	0	58.4200	0.59
0	0	0	58.5800	0.61
0	0	0	58.7500	0.63
0	0	0	58.9200	0.66
0	0	0	59.0800	0.69
0	0	0	59.2500	0.73
0	0	0	59.4200	0.78
0	0	0	59.5800	0.88
0	0	0	59.7500	2.96
0	0	0	59.9200	6.77

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	60.0800	9.89
0	0	0	60.2500	9.58
0	0	0	60.4200	8.25
0	0	0	60.5800	7.11
0	0	0	60.7500	5.99
0	0	0	60.9200	5.07
0	0	0	61.0800	4.37
0	0	0	61.3300	3.52
0	0	0	61.5800	2.92
0	0	0	61.8300	2.48
0	0	0	62.0800	2.14
0	0	0	62.3300	1.84
0	0	0	62.5800	1.61
0	0	0	62.8300	1.41
0	0	0	63.0800	1.27
0	0	0	63.3300	1.15
0	0	0	63.5800	1.07
0	0	0	63.8300	0.99
0	0	0	64.0800	0.93
0	0	0	64.3300	0.83
0	0	0	64.5800	0.73
0	0	0	64.8300	0.65
0	0	0	65.0800	0.58
0	0	0	65.3300	0.51
0	0	0	65.5800	0.44
0	0	0	65.8300	0.46
0	0	0	66.0800	0.39
0	0	0	66.3300	0.33
0	0	0	66.5800	0.38
0	0	0	66.8300	0.30
0	0	0	67.0800	0.37
0	0	0	67.3300	0.27
0	0	0	67.5800	0.36
0	0	0	67.8300	0.42
0	0	0	68.0800	0.28
0	0	0	68.3300	0.32
0	0	0	68.5800	0.33
0	0	0	68.8300	0.08
0	0	0	69.0800	0.22
0	0	0	69.3300	0.29
0	0	0	69.5800	0.32
0	0	0	69.8300	0.04
0	0	0	70.0800	0.22
0	0	0	70.3300	0.29
0	0	0	70.5800	0.32
0	0	0	70.8300	0.02
0	0	0	71.0800	0.22
0	0	0	71.3300	0.30
0	0	0	71.5800	0.33

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	71.8300	0.34
0	0	0	72.0800	0.33
0	0	0	73.0800	-0.13
0	0	0	74.0800	0.00
0	0	0	75.0800	0.00
0	0	0	76.0800	0.00
0	0	0	77.0800	0.00
0	0	0	78.0800	0.00
0	0	0	79.0800	0.13
0	0	0	80.0800	0.00
0	0	0	81.0800	0.00
0	0	0	82.0800	0.00
0	0	0	83.0800	0.13
0	0	0	84.0800	0.00
0	0	0	85.0800	0.00
0	0	0	86.0800	0.00
0	0	0	87.0800	0.13
0	0	0	88.0800	0.00
0	0	0	89.0800	0.00
0	0	0	90.0800	0.13
0	0	0	91.0800	0.00
0	0	0	92.0800	0.00
0	0	0	93.0800	0.00
0	0	0	94.0800	0.13
0	0	0	95.0800	0.00
0	0	0	96.0800	0.00
0	0	0	97.0800	0.12
0	0	0	98.0800	0.00
0	0	0	99.0800	0.00
0	0	0	100.0800	0.00
0	0	0	101.0800	0.12
0	0	0	102.0800	0.01
0	0	0	103.0800	0.00
0	0	0	104.0800	0.11
0	0	0	105.0800	0.01
0	0	0	106.0800	0.00
0	0	0	107.0800	0.00
0	0	0	108.0800	0.10
0	0	0	109.0800	0.02
0	0	0	110.0800	0.00
0	0	0	111.0800	0.00
0	0	0	112.0800	0.09
0	0	0	113.0800	0.03
0	0	0	114.0800	0.01
0	0	0	115.0800	0.00
0	0	0	116.0800	0.07
0	0	0	117.0800	0.03
0	0	0	118.0800	0.01
0	0	0	119.0800	0.01

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	120.0800	0.06
0	0	0	121.0800	0.03
0	0	0	122.0800	0.02
0	0	0	123.0800	0.07
0	0	0	124.0800	0.04
0	0	0	125.0800	0.02
0	0	0	126.0800	0.01
0	0	0	127.0800	0.07
0	0	0	128.0800	0.04
0	0	0	129.0800	0.02
0	0	0	130.0800	0.01
0	0	0	131.0800	0.06
0	0	0	132.0800	0.04
0	0	0	133.0800	0.02
0	0	0	134.0800	0.01
0	0	0	135.0800	0.06
0	0	0	136.0800	0.04
0	0	0	137.0800	0.02
0	0	0	138.0800	0.01
0	0	0	139.0800	0.06
0	0	0	140.0800	0.04
0	0	0	141.0800	0.02
0	0	0	142.0800	0.01
0	0	0	143.0800	0.06
0	0	0	144.0800	0.04
0	0	0	145.0800	0.02
0	0	0	146.0800	0.01
0	0	0	147.0800	0.06
0	0	0	148.0800	0.04
0	0	0	149.0800	0.02
0	0	0	150.0800	0.01
0	0	0	151.0800	0.06
0	0	0	152.0800	0.04
0	0	0	153.0800	0.02
0	0	0	154.0800	0.07
0	0	0	155.0800	0.04
0	0	0	156.0800	0.02
0	0	0	157.0800	0.01
0	0	0	158.0800	0.06
0	0	0	159.0800	0.04
0	0	0	160.0800	0.02
0	0	0	161.0800	0.01
0	0	0	162.0800	0.06
0	0	0	163.0800	0.03
0	0	0	164.0800	0.02
0	0	0	165.0800	0.01
0	0	0	166.0800	0.06
0	0	0	167.0800	0.03
0	0	0	168.0800	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	169.0800	0.01
0	0	0	170.0800	0.06
0	0	0	171.0800	0.03
0	0	0	172.0800	0.02
0	0	0	173.0800	0.01
0	0	0	174.0800	0.06
0	0	0	175.0800	0.03
0	0	0	176.0800	0.02
0	0	0	177.0800	0.01
0	0	0	178.0800	0.06
0	0	0	179.0800	0.03
0	0	0	180.0800	0.02
0	0	0	181.0800	0.01
0	0	0	182.0800	0.06
0	0	0	183.0800	0.03
0	0	0	184.0800	0.02
0	0	0	185.0800	0.01
0	0	0	186.0800	0.06
0	0	0	187.0800	0.03
0	0	0	188.0800	0.02
0	0	0	189.0800	0.06
0	0	0	190.0800	0.04
0	0	0	191.0800	0.02
0	0	0	192.0800	0.01
0	0	0	193.0800	0.06
0	0	0	194.0800	0.03
0	0	0	195.0800	0.02
0	0	0	196.0800	0.01
0	0	0	197.0800	0.06
0	0	0	198.0800	0.03
0	0	0	199.0800	0.02
0	0	0	200.0800	0.01
0	0	0	201.0800	0.06
0	0	0	202.0800	0.03
0	0	0	203.0800	0.02
0	0	0	204.0800	0.01
0	0	0	205.0800	0.06
0	0	0	206.0800	0.03
0	0	0	207.0800	0.02
0	0	0	208.0800	0.01
0	0	0	209.0800	0.06
0	0	0	210.0800	0.03
0	0	0	211.0800	0.02
0	0	0	212.0800	0.01
0	0	0	213.0800	0.06
0	0	0	214.0800	0.03
0	0	0	215.0800	0.02
0	0	0	216.0800	0.01
0	0	0	217.0800	0.06

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	218.0800	0.03
0	0	0	219.0800	0.02
0	0	0	220.0800	0.01
0	0	0	221.0800	0.05
0	0	0	222.0800	0.03
0	0	0	223.0800	0.02
0	0	0	224.0800	0.06
0	0	0	225.0800	0.04
0	0	0	226.0800	0.02
0	0	0	227.0800	0.01
0	0	0	228.0800	0.05
0	0	0	229.0800	0.03
0	0	0	230.0800	0.02
0	0	0	231.0800	0.01
0	0	0	232.0800	0.05
0	0	0	233.0800	0.03
0	0	0	234.0800	0.02
0	0	0	235.0800	0.01
0	0	0	236.0800	0.05
0	0	0	237.0800	0.03
0	0	0	238.0800	0.02
0	0	0	239.0800	0.01
0	0	0	240.0800	0.05
0	0	0	241.0800	0.03
0	0	0	242.0800	0.02
0	0	0	243.0800	0.01
0	0	0	244.0800	0.05
0	0	0	245.0800	0.03
0	0	0	246.0800	0.02
0	0	0	247.0800	0.01
0	0	0	248.0800	0.05
0	0	0	249.0800	0.03
0	0	0	250.0800	0.02
0	0	0	251.0800	0.01
0	0	0	252.0800	0.05
0	0	0	253.0800	0.03
0	0	0	254.0800	0.02
0	0	0	255.0800	0.01
0	0	0	256.0800	0.05
0	0	0	257.0800	0.03
0	0	0	258.0800	0.02
0	0	0	259.0800	0.01
0	0	0	260.0800	0.05
0	0	0	261.0800	0.03
0	0	0	262.0800	0.02
0	0	0	263.0800	0.01
0	0	0	264.0800	0.05
0	0	0	265.0800	0.03
0	0	0	266.0800	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	267.0800	0.01
0	0	0	268.0800	0.05
0	0	0	269.0800	0.03
0	0	0	270.0800	0.02
0	0	0	271.0800	0.01
0	0	0	272.0800	0.05
0	0	0	273.0800	0.03
0	0	0	274.0800	0.02
0	0	0	275.0800	0.01
0	0	0	276.0800	0.05
0	0	0	277.0800	0.03
0	0	0	278.0800	0.02
0	0	0	279.0800	0.01
0	0	0	280.0800	0.05
0	0	0	281.0800	0.03
0	0	0	282.0800	0.02
0	0	0	283.0800	0.01
0	0	0	284.0800	0.05
0	0	0	285.0800	0.03
0	0	0	286.0800	0.02
0	0	0	287.0800	0.01
0	0	0	288.0800	0.04
0	0	0	289.0800	0.03
0	0	0	290.0800	0.02
0	0	0	291.0800	0.01
0	0	0	292.0800	0.04
0	0	0	293.0800	0.03
0	0	0	294.0800	0.02
0	0	0	295.0800	0.01
0	0	0	296.0800	0.04
0	0	0	297.0800	0.03
0	0	0	298.0800	0.02
0	0	0	299.0800	0.01
0	0	0	300.0800	0.04
0	0	0	301.0800	0.03
0	0	0	302.0800	0.02
0	0	0	303.0800	0.01
0	0	0	304.0800	0.04
0	0	0	305.0800	0.03
0	0	0	306.0800	0.02
0	0	0	307.0800	0.01
0	0	0	308.0800	0.04
0	0	0	309.0800	0.03
0	0	0	310.0800	0.02
0	0	0	311.0800	0.01
0	0	0	312.0800	0.04
0	0	0	313.0800	0.03
0	0	0	314.0800	0.02
0	0	0	315.0800	0.02

Year	Month	Day	Hour [hr]	Discharge [cfs]
0	0	0	316.0800	0.04
0	0	0	317.0800	0.03
0	0	0	318.0800	0.02
0	0	0	319.0800	0.02
0	0	0	320.0800	0.04
0	0	0	321.0800	0.03
0	0	0	322.0800	0.02
0	0	0	323.0800	0.02
0	0	0	324.0800	0.04
0	0	0	325.0800	0.03
0	0	0	326.0800	0.02
0	0	0	327.0800	0.02
0	0	0	328.0800	0.04
0	0	0	329.0800	0.03
0	0	0	330.0800	0.02
0	0	0	331.0800	0.02
0	0	0	332.0800	0.04
0	0	0	333.0800	0.03
0	0	0	334.0800	0.02
0	0	0	335.0800	0.02
0	0	0	336.0800	0.03
0	0	0	337.0800	0.03
0	0	0	338.0800	0.02
0	0	0	339.0800	0.02
0	0	0	340.0800	0.03
0	0	0	341.0800	0.03
0	0	0	342.0800	0.02
0	0	0	343.0800	0.02
0	0	0	344.0800	0.01
0	0	0	345.0800	0.03
0	0	0	346.0800	0.03
0	0	0	347.0800	0.02
0	0	0	348.0800	0.02
0	0	0	349.0800	0.03
0	0	0	350.0800	0.03
0	0	0	351.0800	0.02
0	0	0	352.0800	0.02
0	0	0	353.0800	0.03
0	0	0	354.0800	0.03
0	0	0	355.0800	0.02
0	0	0	356.0800	0.02
0	0	0	357.0800	0.03
0	0	0	358.0800	0.03
0	0	0	359.0800	0.02
0	0	0	360.0000	0.02

Comment: Daniels Roadway Control Str# 9

Boundary Stage: AirportBasin11

Boundary Stage Set: 100yr

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	25.00
0	0	0	30.0000	25.05
0	0	0	40.0000	25.18
0	0	0	60.0000	25.60
0	0	0	64.0000	26.00
0	0	0	80.0000	26.06
0	0	0	100.0000	26.00
0	0	0	240.0000	25.53
0	0	0	360.0000	25.33
0	0	0	999.0000	25.00

Comment:

Boundary Stage: EB TAILWATER

Boundary Stage Set: 100yr

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	24.84
0	0	0	30.0000	25.15
0	0	0	60.0000	25.59
0	0	0	73.0000	26.17
0	0	0	240.0000	25.61
0	0	0	360.0000	25.21
0	0	0	9999.0000	24.84

Comment:

Boundary Stage: TC TAILWATER

Boundary Stage Set: 100yr

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	25.00
0	0	0	30.0000	25.35
0	0	0	60.0000	25.75
0	0	0	73.0000	26.33
0	0	0	240.0000	25.77
0	0	0	360.0000	25.39
0	0	0	999.0000	25.00

Comment:

Boundary Stage: AirportBasin11

Boundary Stage Set: 10yr

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	25.00
0	0	0	0.5004	25.00
0	0	0	1.0010	24.99
0	0	0	1.5002	24.99
0	0	0	2.0006	24.99
0	0	0	2.5006	24.99
0	0	0	3.0001	24.99
0	0	0	3.5001	24.99
0	0	0	4.0002	24.99
0	0	0	4.5001	25.00
0	0	0	5.0002	25.00
0	0	0	5.5002	25.00
0	0	0	6.0004	25.01
0	0	0	6.5003	25.01
0	0	0	7.0001	25.02
0	0	0	7.5006	25.03
0	0	0	8.0004	25.04
0	0	0	8.5001	25.05
0	0	0	9.0001	25.06
0	0	0	9.5001	25.07
0	0	0	10.0003	25.08
0	0	0	10.1668	25.09
0	0	0	10.3336	25.09
0	0	0	10.5001	25.10
0	0	0	10.6668	25.10
0	0	0	10.8336	25.11
0	0	0	11.0009	25.12
0	0	0	11.1667	25.13
0	0	0	11.3338	25.13
0	0	0	11.5002	25.14
0	0	0	11.6667	25.15
0	0	0	11.8334	25.17
0	0	0	12.0001	25.19
0	0	0	12.1668	25.23
0	0	0	12.3336	25.27
0	0	0	12.5006	25.32
0	0	0	12.6668	25.36
0	0	0	12.8337	25.39
0	0	0	13.0000	25.42
0	0	0	13.1669	25.44
0	0	0	13.3335	25.46
0	0	0	13.5000	25.48
0	0	0	13.6668	25.49
0	0	0	13.8334	25.50
0	0	0	14.0000	25.52
0	0	0	14.1667	25.53

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	14.3338	25.53
0	0	0	14.5002	25.54
0	0	0	14.6668	25.55
0	0	0	14.8335	25.56
0	0	0	15.0001	25.56
0	0	0	15.5003	25.57
0	0	0	16.0001	25.58
0	0	0	16.5000	25.59
0	0	0	17.0000	25.60
0	0	0	17.5004	25.61
0	0	0	18.0004	25.61
0	0	0	18.5000	25.62
0	0	0	19.0002	25.62
0	0	0	19.5002	25.63
0	0	0	20.0001	25.63
0	0	0	20.5000	25.64
0	0	0	21.0001	25.64
0	0	0	21.5002	25.64
0	0	0	22.0000	25.65
0	0	0	22.5001	25.65
0	0	0	23.0002	25.65
0	0	0	23.5001	25.66
0	0	0	24.0000	25.66
0	0	0	24.5001	25.66
0	0	0	25.0000	25.66
0	0	0	25.5001	25.66
0	0	0	26.0000	25.66
0	0	0	26.5001	25.66
0	0	0	27.0000	25.66
0	0	0	27.5001	25.66
0	0	0	28.0001	25.65
0	0	0	28.5000	25.65
0	0	0	29.0001	25.65
0	0	0	29.5000	25.65
0	0	0	30.0000	25.65
0	0	0	30.5001	25.65
0	0	0	31.0000	25.64
0	0	0	31.5000	25.64
0	0	0	32.0001	25.64
0	0	0	32.5001	25.64
0	0	0	33.0000	25.64
0	0	0	33.5000	25.63
0	0	0	34.0001	25.63
0	0	0	34.5000	25.63
0	0	0	35.0000	25.63
0	0	0	35.5000	25.63
0	0	0	36.0001	25.63
0	0	0	36.5000	25.62
0	0	0	37.0001	25.62

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	37.5000	25.62
0	0	0	38.0000	25.62
0	0	0	38.5000	25.62
0	0	0	39.0000	25.61
0	0	0	39.5000	25.61
0	0	0	40.0001	25.61
0	0	0	40.5000	25.61
0	0	0	41.0000	25.61
0	0	0	41.5001	25.60
0	0	0	42.0000	25.60
0	0	0	42.5000	25.60
0	0	0	43.0001	25.60
0	0	0	43.5001	25.60
0	0	0	44.0000	25.60
0	0	0	44.5001	25.59
0	0	0	45.0001	25.59
0	0	0	45.5001	25.59
0	0	0	46.0000	25.59
0	0	0	46.5001	25.59
0	0	0	47.0000	25.58
0	0	0	47.5001	25.58
0	0	0	48.0000	25.58
0	0	0	48.5001	25.58
0	0	0	49.0000	25.58
0	0	0	49.5000	25.58
0	0	0	50.0000	25.57
0	0	0	50.5001	25.57
0	0	0	51.0000	25.57
0	0	0	51.5000	25.57
0	0	0	52.0000	25.57
0	0	0	52.5000	25.56
0	0	0	53.0000	25.56
0	0	0	53.5000	25.56
0	0	0	54.0000	25.56
0	0	0	54.5000	25.56
0	0	0	55.0000	25.56
0	0	0	55.5000	25.55
0	0	0	56.0000	25.55
0	0	0	56.5001	25.55
0	0	0	57.0000	25.55
0	0	0	57.5000	25.55
0	0	0	58.0000	25.55
0	0	0	58.5000	25.55
0	0	0	59.0000	25.54
0	0	0	59.5001	25.54
0	0	0	60.0000	25.54
0	0	0	60.5001	25.54
0	0	0	61.0000	25.54
0	0	0	61.5000	25.54

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	62.0000	25.54
0	0	0	62.5000	25.54
0	0	0	63.0000	25.53
0	0	0	63.5000	25.53
0	0	0	64.0000	25.53
0	0	0	64.5000	25.53
0	0	0	65.0000	25.53
0	0	0	65.5000	25.53
0	0	0	66.0000	25.53
0	0	0	66.5001	25.53
0	0	0	67.0000	25.53
0	0	0	67.5000	25.53
0	0	0	68.0000	25.53
0	0	0	68.5001	25.53
0	0	0	69.0000	25.53
0	0	0	69.5000	25.53
0	0	0	70.0000	25.53
0	0	0	70.5000	25.53
0	0	0	71.0000	25.53
0	0	0	71.5000	25.53
0	0	0	72.0001	25.53
0	0	0	73.0001	25.53
0	0	0	74.0001	25.53
0	0	0	75.0000	25.53
0	0	0	76.0000	25.53
0	0	0	77.0000	25.53
0	0	0	78.0001	25.53
0	0	0	79.0001	25.53
0	0	0	80.0000	25.52
0	0	0	81.0000	25.52
0	0	0	82.0000	25.52
0	0	0	83.0000	25.52
0	0	0	84.0001	25.52
0	0	0	85.0000	25.52
0	0	0	86.0000	25.52
0	0	0	87.0000	25.52
0	0	0	88.0001	25.52
0	0	0	89.0000	25.52
0	0	0	90.0000	25.51
0	0	0	91.0000	25.51
0	0	0	92.0000	25.51
0	0	0	93.0000	25.51
0	0	0	94.0000	25.51
0	0	0	95.0001	25.51
0	0	0	96.0000	25.51
0	0	0	97.0000	25.51
0	0	0	98.0001	25.51
0	0	0	99.0001	25.51
0	0	0	100.0000	25.51

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	101.0000	25.50
0	0	0	102.0000	25.50
0	0	0	103.0000	25.50
0	0	0	104.0000	25.50
0	0	0	105.0001	25.50
0	0	0	106.0000	25.50
0	0	0	107.0001	25.50
0	0	0	108.0000	25.50
0	0	0	109.0000	25.50
0	0	0	110.0001	25.49
0	0	0	111.0000	25.49
0	0	0	112.0001	25.49
0	0	0	113.0001	25.49
0	0	0	114.0000	25.49
0	0	0	115.0000	25.49
0	0	0	116.0001	25.49
0	0	0	117.0000	25.49
0	0	0	118.0000	25.49
0	0	0	119.0000	25.48
0	0	0	120.0001	25.48
0	0	0	121.0001	25.48
0	0	0	122.0000	25.48
0	0	0	123.0000	25.48
0	0	0	124.0000	25.48
0	0	0	125.0001	25.48
0	0	0	126.0000	25.48
0	0	0	127.0000	25.48
0	0	0	128.0001	25.47
0	0	0	129.0000	25.47
0	0	0	130.0000	25.47
0	0	0	131.0000	25.47
0	0	0	132.0000	25.47
0	0	0	133.0001	25.47
0	0	0	134.0000	25.47
0	0	0	135.0001	25.46
0	0	0	136.0000	25.46
0	0	0	137.0000	25.46
0	0	0	138.0001	25.46
0	0	0	139.0000	25.46
0	0	0	140.0001	25.46
0	0	0	141.0001	25.46
0	0	0	142.0000	25.46
0	0	0	143.0000	25.45
0	0	0	144.0001	25.45
0	0	0	145.0000	25.45
0	0	0	146.0000	25.45
0	0	0	147.0001	25.45
0	0	0	148.0000	25.45
0	0	0	149.0001	25.45

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	150.0001	25.44
0	0	0	151.0000	25.44
0	0	0	152.0001	25.44
0	0	0	153.0000	25.44
0	0	0	154.0000	25.44
0	0	0	155.0001	25.44
0	0	0	156.0001	25.43
0	0	0	157.0001	25.43
0	0	0	158.0001	25.43
0	0	0	159.0001	25.43
0	0	0	160.0000	25.43
0	0	0	161.0000	25.43
0	0	0	162.0000	25.43
0	0	0	163.0000	25.42
0	0	0	164.0000	25.42
0	0	0	165.0000	25.42
0	0	0	166.0000	25.42
0	0	0	167.0000	25.42
0	0	0	168.0001	25.42
0	0	0	169.0001	25.41
0	0	0	170.0001	25.41
0	0	0	171.0000	25.41
0	0	0	172.0001	25.41
0	0	0	173.0000	25.41
0	0	0	174.0000	25.41
0	0	0	175.0000	25.40
0	0	0	176.0001	25.40
0	0	0	177.0000	25.40
0	0	0	178.0000	25.40
0	0	0	179.0001	25.40
0	0	0	180.0000	25.39
0	0	0	181.0000	25.39
0	0	0	182.0000	25.39
0	0	0	183.0000	25.39
0	0	0	184.0000	25.39
0	0	0	185.0000	25.39
0	0	0	186.0000	25.38
0	0	0	187.0001	25.38
0	0	0	188.0001	25.38
0	0	0	189.0001	25.38
0	0	0	190.0002	25.37
0	0	0	191.0000	25.37
0	0	0	192.0000	25.37
0	0	0	193.0000	25.37
0	0	0	194.0000	25.37
0	0	0	195.0000	25.36
0	0	0	196.0000	25.36
0	0	0	197.0001	25.36
0	0	0	198.0001	25.36

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	199.0000	25.35
0	0	0	200.0000	25.35
0	0	0	201.0000	25.35
0	0	0	202.0001	25.35
0	0	0	203.0001	25.35
0	0	0	204.0000	25.34
0	0	0	205.0001	25.34
0	0	0	206.0001	25.34
0	0	0	207.0000	25.34
0	0	0	208.0000	25.34
0	0	0	209.0001	25.33
0	0	0	210.0000	25.33
0	0	0	211.0001	25.33
0	0	0	212.0000	25.33
0	0	0	213.0000	25.32
0	0	0	214.0001	25.32
0	0	0	215.0001	25.32
0	0	0	216.0001	25.32
0	0	0	217.0000	25.31
0	0	0	218.0001	25.31
0	0	0	219.0000	25.31
0	0	0	220.0001	25.31
0	0	0	221.0001	25.30
0	0	0	222.0001	25.30
0	0	0	223.0000	25.30
0	0	0	224.0001	25.30
0	0	0	225.0001	25.30
0	0	0	226.0002	25.29
0	0	0	227.0000	25.29
0	0	0	228.0001	25.29
0	0	0	229.0001	25.29
0	0	0	230.0000	25.28
0	0	0	231.0001	25.28
0	0	0	232.0000	25.28
0	0	0	233.0001	25.28
0	0	0	234.0001	25.27
0	0	0	235.0001	25.27
0	0	0	236.0000	25.27
0	0	0	237.0000	25.27
0	0	0	238.0000	25.26
0	0	0	239.0001	25.26
0	0	0	240.0001	25.26
0	0	0	241.0000	25.26
0	0	0	242.0001	25.25
0	0	0	243.0000	25.25
0	0	0	244.0000	25.25
0	0	0	245.0001	25.25
0	0	0	246.0001	25.24
0	0	0	247.0000	25.24

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	248.0001	25.24
0	0	0	249.0004	25.24
0	0	0	250.0001	25.23
0	0	0	251.0003	25.23
0	0	0	252.0001	25.23
0	0	0	253.0000	25.23
0	0	0	254.0001	25.22
0	0	0	255.0003	25.22
0	0	0	256.0002	25.22
0	0	0	257.0001	25.22
0	0	0	258.0001	25.21
0	0	0	259.0002	25.21
0	0	0	260.0004	25.21
0	0	0	261.0001	25.21
0	0	0	262.0001	25.20
0	0	0	263.0003	25.20
0	0	0	264.0002	25.20
0	0	0	265.0001	25.20
0	0	0	266.0000	25.19
0	0	0	267.0001	25.19
0	0	0	268.0001	25.19
0	0	0	269.0002	25.19
0	0	0	270.0004	25.18
0	0	0	271.0002	25.18
0	0	0	272.0000	25.18
0	0	0	273.0002	25.18
0	0	0	274.0003	25.17
0	0	0	275.0002	25.17
0	0	0	276.0001	25.17
0	0	0	277.0001	25.17
0	0	0	278.0002	25.17
0	0	0	279.0001	25.16
0	0	0	280.0002	25.16
0	0	0	281.0004	25.16
0	0	0	282.0000	25.16
0	0	0	283.0001	25.15
0	0	0	284.0001	25.15
0	0	0	285.0001	25.15
0	0	0	286.0001	25.15
0	0	0	287.0000	25.14
0	0	0	288.0001	25.14
0	0	0	289.0002	25.14
0	0	0	290.0001	25.14
0	0	0	291.0002	25.13
0	0	0	292.0002	25.13
0	0	0	293.0002	25.13
0	0	0	294.0001	25.13
0	0	0	295.0000	25.13
0	0	0	296.0000	25.12

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	297.0000	25.12
0	0	0	298.0000	25.12
0	0	0	299.0002	25.12
0	0	0	300.0002	25.11
0	0	0	301.0002	25.11
0	0	0	302.0000	25.11
0	0	0	303.0001	25.11
0	0	0	304.0000	25.10
0	0	0	305.0001	25.10
0	0	0	306.0001	25.10
0	0	0	307.0001	25.10
0	0	0	308.0001	25.10
0	0	0	309.0001	25.09
0	0	0	310.0004	25.09
0	0	0	311.0003	25.09
0	0	0	312.0003	25.09

Comment:

Boundary Stage: EB TAILWATER

Boundary Stage Set: 10yr

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	24.84
0	0	0	0.5050	24.84
0	0	0	1.0021	24.84
0	0	0	1.5105	24.84
0	0	0	2.0001	24.84
0	0	0	2.5000	24.85
0	0	0	3.0000	24.85
0	0	0	3.5001	24.85
0	0	0	4.0000	24.85
0	0	0	4.5001	24.85
0	0	0	5.0001	24.87
0	0	0	5.5001	24.87
0	0	0	6.0008	24.87
0	0	0	6.5002	24.87
0	0	0	7.0000	24.88
0	0	0	7.5001	24.88
0	0	0	8.0000	24.88
0	0	0	8.5000	24.90
0	0	0	9.0000	24.90
0	0	0	9.5007	24.91
0	0	0	10.0000	24.91
0	0	0	10.1667	24.91
0	0	0	10.3334	24.93

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	10.5001	24.93
0	0	0	10.6669	24.94
0	0	0	10.8335	24.94
0	0	0	11.0003	24.94
0	0	0	11.1668	24.95
0	0	0	11.3335	24.97
0	0	0	11.5002	24.97
0	0	0	11.6669	24.98
0	0	0	11.8338	25.00
0	0	0	12.0004	25.03
0	0	0	12.1670	25.05
0	0	0	12.3335	25.11
0	0	0	12.5006	25.18
0	0	0	12.6667	25.28
0	0	0	12.8335	25.41
0	0	0	13.0002	25.54
0	0	0	13.1672	25.64
0	0	0	13.3334	25.70
0	0	0	13.5002	25.71
0	0	0	13.6673	25.73
0	0	0	13.8334	25.74
0	0	0	14.0002	25.74
0	0	0	14.1672	25.74
0	0	0	14.3336	25.74
0	0	0	14.5005	25.74
0	0	0	14.6673	25.74
0	0	0	14.8335	25.74
0	0	0	15.0009	25.74
0	0	0	15.5006	25.73
0	0	0	16.0004	25.70
0	0	0	16.5001	25.68
0	0	0	17.0002	25.65
0	0	0	17.5009	25.64
0	0	0	18.0008	25.61
0	0	0	18.5007	25.58
0	0	0	19.0004	25.57
0	0	0	19.5003	25.54
0	0	0	20.0003	25.54
0	0	0	20.5008	25.53
0	0	0	21.0009	25.51
0	0	0	21.5010	25.50
0	0	0	22.0011	25.50
0	0	0	22.5000	25.48
0	0	0	23.0008	25.47
0	0	0	23.5007	25.47
0	0	0	24.0003	25.45
0	0	0	24.5001	25.45
0	0	0	25.0004	25.44
0	0	0	25.5004	25.44

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	26.0003	25.43
0	0	0	26.5002	25.41
0	0	0	27.0001	25.40
0	0	0	27.5007	25.38
0	0	0	28.0009	25.37
0	0	0	28.5004	25.34
0	0	0	29.0005	25.33
0	0	0	29.5003	25.30
0	0	0	30.0002	25.28
0	0	0	30.5000	25.27
0	0	0	31.0005	25.24
0	0	0	31.5002	25.23
0	0	0	32.0006	25.20
0	0	0	32.5000	25.18
0	0	0	33.0007	25.15
0	0	0	33.5006	25.14
0	0	0	34.0002	25.11
0	0	0	34.5004	25.10
0	0	0	35.0003	25.08
0	0	0	35.5004	25.05
0	0	0	36.0001	25.04
0	0	0	36.5005	25.03
0	0	0	37.0003	25.01
0	0	0	37.5004	25.00
0	0	0	38.0003	24.98
0	0	0	38.5001	24.97
0	0	0	39.0003	24.95
0	0	0	39.5000	24.94
0	0	0	40.0003	24.93
0	0	0	40.5000	24.91
0	0	0	41.0000	24.91
0	0	0	41.5001	24.90
0	0	0	42.0002	24.88
0	0	0	42.5001	24.88
0	0	0	43.0001	24.87
0	0	0	43.5001	24.87
0	0	0	44.0001	24.87
0	0	0	44.5001	24.85
0	0	0	45.0001	24.85
0	0	0	45.5000	24.85
0	0	0	46.0001	24.85
0	0	0	46.5001	24.85
0	0	0	47.0001	24.85
0	0	0	47.5001	24.85
0	0	0	48.0001	24.85
0	0	0	48.5001	24.85
0	0	0	49.0001	24.85
0	0	0	49.5000	24.85
0	0	0	50.0001	24.85

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	50.5000	24.85
0	0	0	51.0001	24.85
0	0	0	51.5001	24.85
0	0	0	52.0000	24.85
0	0	0	52.5005	24.85
0	0	0	53.0001	24.85
0	0	0	53.5000	24.85
0	0	0	54.0001	24.85
0	0	0	54.5000	24.85
0	0	0	55.0002	24.85
0	0	0	55.5031	24.85
0	0	0	56.0012	24.85
0	0	0	56.5064	24.85
0	0	0	57.0074	24.85
0	0	0	57.5023	24.85
0	0	0	58.0004	24.85
0	0	0	58.5001	24.85
0	0	0	59.0001	24.85
0	0	0	59.5000	24.85
0	0	0	60.0001	24.85
0	0	0	60.5001	24.85
0	0	0	61.0001	24.85
0	0	0	61.5001	24.85
0	0	0	62.0010	24.85
0	0	0	62.5013	24.85
0	0	0	63.0002	24.85
0	0	0	63.5001	24.85
0	0	0	64.0002	24.85
0	0	0	64.5000	24.85
0	0	0	65.0000	24.85
0	0	0	65.5000	24.85
0	0	0	66.0002	24.85
0	0	0	66.5007	24.85
0	0	0	67.0000	24.85
0	0	0	67.5001	24.85
0	0	0	68.0000	24.85
0	0	0	68.5000	24.85
0	0	0	69.0000	24.85
0	0	0	69.5000	24.85
0	0	0	70.0000	24.85
0	0	0	70.5001	24.85
0	0	0	71.0001	24.85
0	0	0	71.5002	24.85
0	0	0	72.0001	24.85
0	0	0	73.0000	24.85
0	0	0	74.0001	24.84
0	0	0	75.0000	24.84
0	0	0	76.0001	24.84
0	0	0	77.0006	24.84

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	78.0001	24.84
0	0	0	79.0000	24.84
0	0	0	80.0016	24.84
0	0	0	81.0001	24.84
0	0	0	82.0002	24.84
0	0	0	83.0001	24.84
0	0	0	84.0012	24.84
0	0	0	85.0001	24.84
0	0	0	86.0000	24.84
0	0	0	87.0002	24.84
0	0	0	88.0001	24.84
0	0	0	89.0001	24.84
0	0	0	90.0001	24.84
0	0	0	91.0001	24.84
0	0	0	92.0008	24.84
0	0	0	93.0000	24.84
0	0	0	94.0008	24.84
0	0	0	95.0008	24.84
0	0	0	96.0029	24.84
0	0	0	97.0029	24.84
0	0	0	98.0056	24.84
0	0	0	99.0002	24.84
0	0	0	100.0002	24.84
0	0	0	101.0023	24.84
0	0	0	102.0033	24.84
0	0	0	103.0001	24.84
0	0	0	104.0003	24.84
0	0	0	105.0002	24.84
0	0	0	106.0001	24.84
0	0	0	107.0008	24.84
0	0	0	108.0003	24.84
0	0	0	109.0002	24.84
0	0	0	110.0008	24.84
0	0	0	111.0002	24.84
0	0	0	112.0001	24.84
0	0	0	113.0009	24.84
0	0	0	114.0008	24.84
0	0	0	115.0001	24.84
0	0	0	116.0001	24.84
0	0	0	117.0001	24.84
0	0	0	118.0002	24.84
0	0	0	119.0003	24.84
0	0	0	120.0002	24.84
0	0	0	121.0002	24.84
0	0	0	122.0006	24.84
0	0	0	123.0009	24.84
0	0	0	124.0001	24.84
0	0	0	125.0001	24.84
0	0	0	126.0006	24.84

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	127.0003	24.84
0	0	0	128.0000	24.84
0	0	0	129.0018	24.84
0	0	0	130.0019	24.84
0	0	0	131.0016	24.84
0	0	0	132.0001	24.84
0	0	0	133.0002	24.84
0	0	0	134.0009	24.84
0	0	0	135.0010	24.84
0	0	0	136.0002	24.84
0	0	0	137.0004	24.84
0	0	0	138.0005	24.84
0	0	0	139.0004	24.84
0	0	0	140.0003	24.84
0	0	0	141.0002	24.84
0	0	0	142.0001	24.84
0	0	0	143.0000	24.84
0	0	0	144.0007	24.84
0	0	0	145.0015	24.84
0	0	0	146.0006	24.84
0	0	0	147.0002	24.84
0	0	0	148.0001	24.84
0	0	0	149.0013	24.84
0	0	0	150.0010	24.84
0	0	0	151.0003	24.84
0	0	0	152.0002	24.84
0	0	0	153.0023	24.84
0	0	0	154.0000	24.84
0	0	0	155.0003	24.84
0	0	0	156.0001	24.84
0	0	0	157.0011	24.84
0	0	0	158.0001	24.84
0	0	0	159.0005	24.84
0	0	0	160.0003	24.84
0	0	0	161.0007	24.84
0	0	0	162.0001	24.84
0	0	0	163.0014	24.84
0	0	0	164.0005	24.84
0	0	0	165.0006	24.84
0	0	0	166.0005	24.84
0	0	0	167.0005	24.84
0	0	0	168.0014	24.84
0	0	0	169.0001	24.84
0	0	0	170.0012	24.84
0	0	0	171.0003	24.84
0	0	0	172.0020	24.84
0	0	0	173.0007	24.84
0	0	0	174.0020	24.84
0	0	0	175.0001	24.84

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	176.0062	24.84
0	0	0	177.0012	24.84
0	0	0	178.0077	24.84
0	0	0	179.0031	24.84
0	0	0	180.0015	24.84
0	0	0	181.0039	24.84
0	0	0	182.0062	24.84
0	0	0	183.0011	24.84
0	0	0	184.0053	24.84
0	0	0	185.0033	24.84
0	0	0	186.0111	24.84
0	0	0	187.0046	24.84
0	0	0	188.0072	24.84
0	0	0	189.0002	24.84
0	0	0	190.0011	24.84
0	0	0	191.0048	24.84
0	0	0	192.0072	24.84
0	0	0	193.0043	24.84
0	0	0	194.0089	24.84
0	0	0	195.0008	24.84
0	0	0	196.0014	24.84
0	0	0	197.0033	24.84
0	0	0	198.0016	24.84
0	0	0	199.0017	24.84
0	0	0	200.0060	24.84
0	0	0	201.0056	24.84
0	0	0	202.0078	24.84
0	0	0	203.0003	24.84
0	0	0	204.0078	24.84
0	0	0	205.0024	24.84
0	0	0	206.0029	24.84
0	0	0	207.0030	24.84
0	0	0	208.0042	24.84
0	0	0	209.0018	24.84
0	0	0	210.0079	24.84
0	0	0	211.0054	24.84
0	0	0	212.0007	24.84
0	0	0	213.0012	24.84
0	0	0	214.0035	24.84
0	0	0	215.0027	24.84
0	0	0	216.0015	24.84
0	0	0	217.0019	24.84
0	0	0	218.0006	24.84
0	0	0	219.0024	24.84
0	0	0	220.0047	24.84
0	0	0	221.0004	24.84
0	0	0	222.0088	24.84
0	0	0	223.0026	24.84
0	0	0	224.0051	24.84

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	225.0006	24.84
0	0	0	226.0010	24.84
0	0	0	227.0066	24.84
0	0	0	228.0017	24.84
0	0	0	229.0087	24.84
0	0	0	230.0018	24.84
0	0	0	231.0076	24.84
0	0	0	232.0011	24.84
0	0	0	233.0000	24.84
0	0	0	234.0061	24.84
0	0	0	235.0024	24.84
0	0	0	236.0053	24.84
0	0	0	237.0003	24.84
0	0	0	238.0031	24.84
0	0	0	239.0031	24.84
0	0	0	240.0000	24.84
0	0	0	241.0016	24.84
0	0	0	242.0018	24.84
0	0	0	243.0050	24.84
0	0	0	244.0007	24.84
0	0	0	245.0033	24.84
0	0	0	246.0105	24.84
0	0	0	247.0005	24.84
0	0	0	248.0031	24.84
0	0	0	249.0016	24.84
0	0	0	250.0078	24.84
0	0	0	251.0027	24.84
0	0	0	252.0032	24.84
0	0	0	253.0010	24.84
0	0	0	254.0013	24.84
0	0	0	255.0113	24.84
0	0	0	256.0050	24.84
0	0	0	257.0048	24.84
0	0	0	258.0021	24.84
0	0	0	259.0001	24.84
0	0	0	260.0034	24.84
0	0	0	261.0017	24.84
0	0	0	262.0045	24.84
0	0	0	263.0040	24.84
0	0	0	264.0001	24.84
0	0	0	265.0040	24.84
0	0	0	266.0034	24.84
0	0	0	267.0017	24.84
0	0	0	268.0002	24.84
0	0	0	269.0045	24.84
0	0	0	270.0031	24.84
0	0	0	271.0059	24.84
0	0	0	272.0016	24.84
0	0	0	273.0006	24.84

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	274.0059	24.84
0	0	0	275.0070	24.84
0	0	0	276.0012	24.84
0	0	0	277.0012	24.84
0	0	0	278.0027	24.84
0	0	0	279.0031	24.84
0	0	0	280.0026	24.84
0	0	0	281.0054	24.84
0	0	0	282.0008	24.84
0	0	0	283.0018	24.84
0	0	0	284.0146	24.84
0	0	0	285.0021	24.84
0	0	0	286.0063	24.84
0	0	0	287.0039	24.84
0	0	0	288.0121	24.84
0	0	0	289.0025	24.84
0	0	0	290.0068	24.84
0	0	0	291.0050	24.84
0	0	0	292.0019	24.84
0	0	0	293.0010	24.84
0	0	0	294.0088	24.84
0	0	0	295.0000	24.84
0	0	0	296.0119	24.84
0	0	0	297.0019	24.84
0	0	0	298.0037	24.84
0	0	0	299.0084	24.84
0	0	0	300.0090	24.84
0	0	0	301.0017	24.84
0	0	0	302.0018	24.84
0	0	0	303.0039	24.84
0	0	0	304.0028	24.84
0	0	0	305.0081	24.84
0	0	0	306.0049	24.84
0	0	0	307.0008	24.84
0	0	0	308.0029	24.84
0	0	0	309.0032	24.84
0	0	0	310.0107	24.84
0	0	0	311.0060	24.84
0	0	0	312.0027	24.84

Comment:

Boundary Stage: TC TAILWATER

Boundary Stage Set: 10yr

Year	Month	Day	Hour [hr]	Stage [ft]

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	25.00
0	0	0	0.5004	25.00
0	0	0	1.0010	25.00
0	0	0	1.5002	25.00
0	0	0	2.0006	25.00
0	0	0	2.5006	25.00
0	0	0	3.0001	25.00
0	0	0	3.5001	25.00
0	0	0	4.0002	25.01
0	0	0	4.5001	25.01
0	0	0	5.0002	25.01
0	0	0	5.5002	25.01
0	0	0	6.0004	25.02
0	0	0	6.5003	25.02
0	0	0	7.0001	25.02
0	0	0	7.5006	25.03
0	0	0	8.0004	25.04
0	0	0	8.5001	25.04
0	0	0	9.0001	25.05
0	0	0	9.5001	25.06
0	0	0	10.0003	25.07
0	0	0	10.1668	25.07
0	0	0	10.3336	25.08
0	0	0	10.5001	25.08
0	0	0	10.6668	25.09
0	0	0	10.8336	25.09
0	0	0	11.0009	25.10
0	0	0	11.1667	25.10
0	0	0	11.3338	25.11
0	0	0	11.5002	25.11
0	0	0	11.6667	25.12
0	0	0	11.8334	25.13
0	0	0	12.0001	25.15
0	0	0	12.1668	25.17
0	0	0	12.3336	25.20
0	0	0	12.5006	25.24
0	0	0	12.6668	25.27
0	0	0	12.8337	25.29
0	0	0	13.0000	25.32
0	0	0	13.1669	25.34
0	0	0	13.3335	25.35
0	0	0	13.5000	25.37
0	0	0	13.6668	25.39
0	0	0	13.8334	25.40
0	0	0	14.0000	25.41
0	0	0	14.1667	25.42
0	0	0	14.3338	25.43
0	0	0	14.5002	25.44
0	0	0	14.6668	25.45

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	14.8335	25.46
0	0	0	15.0001	25.47
0	0	0	15.5003	25.48
0	0	0	16.0001	25.50
0	0	0	16.5000	25.51
0	0	0	17.0000	25.52
0	0	0	17.5004	25.53
0	0	0	18.0004	25.54
0	0	0	18.5000	25.55
0	0	0	19.0002	25.56
0	0	0	19.5002	25.56
0	0	0	20.0001	25.57
0	0	0	20.5000	25.58
0	0	0	21.0001	25.59
0	0	0	21.5002	25.59
0	0	0	22.0000	25.60
0	0	0	22.5001	25.60
0	0	0	23.0002	25.61
0	0	0	23.5001	25.61
0	0	0	24.0000	25.62
0	0	0	24.5001	25.62
0	0	0	25.0000	25.63
0	0	0	25.5001	25.63
0	0	0	26.0000	25.63
0	0	0	26.5001	25.63
0	0	0	27.0000	25.63
0	0	0	27.5001	25.63
0	0	0	28.0001	25.63
0	0	0	28.5000	25.63
0	0	0	29.0001	25.63
0	0	0	29.5000	25.63
0	0	0	30.0000	25.63
0	0	0	30.5001	25.63
0	0	0	31.0000	25.63
0	0	0	31.5000	25.63
0	0	0	32.0001	25.63
0	0	0	32.5001	25.63
0	0	0	33.0000	25.63
0	0	0	33.5000	25.62
0	0	0	34.0001	25.62
0	0	0	34.5000	25.62
0	0	0	35.0000	25.62
0	0	0	35.5000	25.62
0	0	0	36.0001	25.62
0	0	0	36.5000	25.62
0	0	0	37.0001	25.62
0	0	0	37.5000	25.61
0	0	0	38.0000	25.61
0	0	0	38.5000	25.61

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	39.0000	25.61
0	0	0	39.5000	25.61
0	0	0	40.0001	25.61
0	0	0	40.5000	25.61
0	0	0	41.0000	25.60
0	0	0	41.5001	25.60
0	0	0	42.0000	25.60
0	0	0	42.5000	25.60
0	0	0	43.0001	25.60
0	0	0	43.5001	25.60
0	0	0	44.0000	25.59
0	0	0	44.5001	25.59
0	0	0	45.0001	25.59
0	0	0	45.5001	25.59
0	0	0	46.0000	25.59
0	0	0	46.5001	25.59
0	0	0	47.0000	25.58
0	0	0	47.5001	25.58
0	0	0	48.0000	25.58
0	0	0	48.5001	25.58
0	0	0	49.0000	25.58
0	0	0	49.5000	25.57
0	0	0	50.0000	25.57
0	0	0	50.5001	25.57
0	0	0	51.0000	25.57
0	0	0	51.5000	25.57
0	0	0	52.0000	25.57
0	0	0	52.5000	25.56
0	0	0	53.0000	25.56
0	0	0	53.5000	25.56
0	0	0	54.0000	25.56
0	0	0	54.5000	25.56
0	0	0	55.0000	25.56
0	0	0	55.5000	25.55
0	0	0	56.0000	25.55
0	0	0	56.5001	25.55
0	0	0	57.0000	25.55
0	0	0	57.5000	25.55
0	0	0	58.0000	25.55
0	0	0	58.5000	25.55
0	0	0	59.0000	25.54
0	0	0	59.5001	25.54
0	0	0	60.0000	25.55
0	0	0	60.5001	25.56
0	0	0	61.0000	25.56
0	0	0	61.5000	25.57
0	0	0	62.0000	25.56
0	0	0	62.5000	25.56
0	0	0	63.0000	25.56

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	63.5000	25.56
0	0	0	64.0000	25.56
0	0	0	64.5000	25.55
0	0	0	65.0000	25.55
0	0	0	65.5000	25.55
0	0	0	66.0000	25.55
0	0	0	66.5001	25.54
0	0	0	67.0000	25.54
0	0	0	67.5000	25.54
0	0	0	68.0000	25.54
0	0	0	68.5001	25.53
0	0	0	69.0000	25.53
0	0	0	69.5000	25.53
0	0	0	70.0000	25.53
0	0	0	70.5000	25.52
0	0	0	71.0000	25.52
0	0	0	71.5000	25.52
0	0	0	72.0001	25.52
0	0	0	73.0001	25.51
0	0	0	74.0001	25.51
0	0	0	75.0000	25.51
0	0	0	76.0000	25.50
0	0	0	77.0000	25.50
0	0	0	78.0001	25.50
0	0	0	79.0001	25.49
0	0	0	80.0000	25.49
0	0	0	81.0000	25.49
0	0	0	82.0000	25.49
0	0	0	83.0000	25.49
0	0	0	84.0001	25.48
0	0	0	85.0000	25.48
0	0	0	86.0000	25.48
0	0	0	87.0000	25.48
0	0	0	88.0001	25.48
0	0	0	89.0000	25.47
0	0	0	90.0000	25.47
0	0	0	91.0000	25.47
0	0	0	92.0000	25.47
0	0	0	93.0000	25.47
0	0	0	94.0000	25.47
0	0	0	95.0001	25.47
0	0	0	96.0000	25.47
0	0	0	97.0000	25.46
0	0	0	98.0001	25.46
0	0	0	99.0001	25.46
0	0	0	100.0000	25.46
0	0	0	101.0000	25.46
0	0	0	102.0000	25.46
0	0	0	103.0000	25.46

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	104.0000	25.46
0	0	0	105.0001	25.46
0	0	0	106.0000	25.45
0	0	0	107.0001	25.45
0	0	0	108.0000	25.45
0	0	0	109.0000	25.45
0	0	0	110.0001	25.45
0	0	0	111.0000	25.45
0	0	0	112.0001	25.45
0	0	0	113.0001	25.45
0	0	0	114.0000	25.45
0	0	0	115.0000	25.45
0	0	0	116.0001	25.44
0	0	0	117.0000	25.44
0	0	0	118.0000	25.44
0	0	0	119.0000	25.44
0	0	0	120.0001	25.44
0	0	0	121.0001	25.44
0	0	0	122.0000	25.44
0	0	0	123.0000	25.44
0	0	0	124.0000	25.44
0	0	0	125.0001	25.43
0	0	0	126.0000	25.43
0	0	0	127.0000	25.43
0	0	0	128.0001	25.43
0	0	0	129.0000	25.43
0	0	0	130.0000	25.43
0	0	0	131.0000	25.43
0	0	0	132.0000	25.43
0	0	0	133.0001	25.43
0	0	0	134.0000	25.42
0	0	0	135.0001	25.42
0	0	0	136.0000	25.42
0	0	0	137.0000	25.42
0	0	0	138.0001	25.42
0	0	0	139.0000	25.42
0	0	0	140.0001	25.42
0	0	0	141.0001	25.42
0	0	0	142.0000	25.42
0	0	0	143.0000	25.41
0	0	0	144.0001	25.41
0	0	0	145.0000	25.41
0	0	0	146.0000	25.41
0	0	0	147.0001	25.41
0	0	0	148.0000	25.41
0	0	0	149.0001	25.41
0	0	0	150.0001	25.41
0	0	0	151.0000	25.40
0	0	0	152.0001	25.40

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	153.0000	25.40
0	0	0	154.0000	25.40
0	0	0	155.0001	25.40
0	0	0	156.0001	25.40
0	0	0	157.0001	25.40
0	0	0	158.0001	25.40
0	0	0	159.0001	25.39
0	0	0	160.0000	25.39
0	0	0	161.0000	25.39
0	0	0	162.0000	25.39
0	0	0	163.0000	25.39
0	0	0	164.0000	25.39
0	0	0	165.0000	25.39
0	0	0	166.0000	25.38
0	0	0	167.0000	25.38
0	0	0	168.0001	25.38
0	0	0	169.0001	25.38
0	0	0	170.0001	25.38
0	0	0	171.0000	25.38
0	0	0	172.0001	25.38
0	0	0	173.0000	25.37
0	0	0	174.0000	25.37
0	0	0	175.0000	25.37
0	0	0	176.0001	25.37
0	0	0	177.0000	25.37
0	0	0	178.0000	25.37
0	0	0	179.0001	25.37
0	0	0	180.0000	25.36
0	0	0	181.0000	25.36
0	0	0	182.0000	25.36
0	0	0	183.0000	25.36
0	0	0	184.0000	25.36
0	0	0	185.0000	25.36
0	0	0	186.0000	25.35
0	0	0	187.0001	25.35
0	0	0	188.0001	25.35
0	0	0	189.0001	25.35
0	0	0	190.0002	25.35
0	0	0	191.0000	25.35
0	0	0	192.0000	25.34
0	0	0	193.0000	25.34
0	0	0	194.0000	25.34
0	0	0	195.0000	25.34
0	0	0	196.0000	25.34
0	0	0	197.0001	25.34
0	0	0	198.0001	25.33
0	0	0	199.0000	25.33
0	0	0	200.0000	25.33
0	0	0	201.0000	25.33

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	202.0001	25.33
0	0	0	203.0001	25.33
0	0	0	204.0000	25.32
0	0	0	205.0001	25.32
0	0	0	206.0001	25.32
0	0	0	207.0000	25.32
0	0	0	208.0000	25.32
0	0	0	209.0001	25.31
0	0	0	210.0000	25.31
0	0	0	211.0001	25.31
0	0	0	212.0000	25.31
0	0	0	213.0000	25.31
0	0	0	214.0001	25.30
0	0	0	215.0001	25.30
0	0	0	216.0001	25.30
0	0	0	217.0000	25.30
0	0	0	218.0001	25.30
0	0	0	219.0000	25.29
0	0	0	220.0001	25.29
0	0	0	221.0001	25.29
0	0	0	222.0001	25.29
0	0	0	223.0000	25.28
0	0	0	224.0001	25.28
0	0	0	225.0001	25.28
0	0	0	226.0002	25.28
0	0	0	227.0000	25.28
0	0	0	228.0001	25.27
0	0	0	229.0001	25.27
0	0	0	230.0000	25.27
0	0	0	231.0001	25.27
0	0	0	232.0000	25.27
0	0	0	233.0001	25.26
0	0	0	234.0001	25.26
0	0	0	235.0001	25.26
0	0	0	236.0000	25.26
0	0	0	237.0000	25.25
0	0	0	238.0000	25.25
0	0	0	239.0001	25.25
0	0	0	240.0001	25.25
0	0	0	241.0000	25.25
0	0	0	242.0001	25.24
0	0	0	243.0000	25.24
0	0	0	244.0000	25.24
0	0	0	245.0001	25.24
0	0	0	246.0001	25.23
0	0	0	247.0000	25.23
0	0	0	248.0001	25.23
0	0	0	249.0004	25.23
0	0	0	250.0001	25.23

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	251.0003	25.22
0	0	0	252.0001	25.22
0	0	0	253.0000	25.22
0	0	0	254.0001	25.22
0	0	0	255.0003	25.21
0	0	0	256.0002	25.21
0	0	0	257.0001	25.21
0	0	0	258.0001	25.21
0	0	0	259.0002	25.21
0	0	0	260.0004	25.20
0	0	0	261.0001	25.20
0	0	0	262.0001	25.20
0	0	0	263.0003	25.20
0	0	0	264.0002	25.19
0	0	0	265.0001	25.19
0	0	0	266.0000	25.19
0	0	0	267.0001	25.19
0	0	0	268.0001	25.19
0	0	0	269.0002	25.18
0	0	0	270.0004	25.18
0	0	0	271.0002	25.18
0	0	0	272.0000	25.18
0	0	0	273.0002	25.17
0	0	0	274.0003	25.17
0	0	0	275.0002	25.17
0	0	0	276.0001	25.17
0	0	0	277.0001	25.17
0	0	0	278.0002	25.16
0	0	0	279.0001	25.16
0	0	0	280.0002	25.16
0	0	0	281.0004	25.16
0	0	0	282.0000	25.15
0	0	0	283.0001	25.15
0	0	0	284.0001	25.15
0	0	0	285.0001	25.15
0	0	0	286.0001	25.15
0	0	0	287.0000	25.14
0	0	0	288.0001	25.14
0	0	0	289.0002	25.14
0	0	0	290.0001	25.14
0	0	0	291.0002	25.14
0	0	0	292.0002	25.13
0	0	0	293.0002	25.13
0	0	0	294.0001	25.13
0	0	0	295.0000	25.13
0	0	0	296.0000	25.12
0	0	0	297.0000	25.12
0	0	0	298.0000	25.12
0	0	0	299.0002	25.12

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	300.0002	25.12
0	0	0	301.0002	25.11
0	0	0	302.0000	25.11
0	0	0	303.0001	25.11
0	0	0	304.0000	25.11
0	0	0	305.0001	25.11
0	0	0	306.0001	25.10
0	0	0	307.0001	25.10
0	0	0	308.0001	25.10
0	0	0	309.0001	25.10
0	0	0	310.0004	25.10
0	0	0	311.0003	25.09
0	0	0	312.0003	25.09

Comment:

Boundary Stage: AirportBasin11

Boundary Stage Set: 2.33yr

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	25.00
0	0	0	0.5004	25.00
0	0	0	1.0010	24.99
0	0	0	1.5002	24.99
0	0	0	2.0003	24.99
0	0	0	2.5007	24.99
0	0	0	3.0007	24.99
0	0	0	3.5004	24.99
0	0	0	4.0000	24.99
0	0	0	4.5004	24.99
0	0	0	5.0004	24.99
0	0	0	5.5002	24.99
0	0	0	6.0001	25.00
0	0	0	6.5000	25.00
0	0	0	7.0002	25.00
0	0	0	7.5001	25.01
0	0	0	8.0000	25.01
0	0	0	8.5000	25.02
0	0	0	9.0000	25.02
0	0	0	9.5007	25.03
0	0	0	10.0001	25.04
0	0	0	10.1669	25.04
0	0	0	10.3333	25.04
0	0	0	10.5000	25.05
0	0	0	10.6671	25.05
0	0	0	10.8334	25.06

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	11.0001	25.06
0	0	0	11.1668	25.07
0	0	0	11.3334	25.07
0	0	0	11.5000	25.08
0	0	0	11.6668	25.08
0	0	0	11.8335	25.10
0	0	0	12.0000	25.11
0	0	0	12.1668	25.14
0	0	0	12.3334	25.18
0	0	0	12.5001	25.21
0	0	0	12.6669	25.24
0	0	0	12.8334	25.27
0	0	0	13.0000	25.29
0	0	0	13.1668	25.31
0	0	0	13.3335	25.33
0	0	0	13.5000	25.34
0	0	0	13.6667	25.35
0	0	0	13.8335	25.36
0	0	0	14.0002	25.37
0	0	0	14.1667	25.38
0	0	0	14.3334	25.39
0	0	0	14.5001	25.39
0	0	0	14.6669	25.40
0	0	0	14.8335	25.40
0	0	0	15.0002	25.41
0	0	0	15.5001	25.42
0	0	0	16.0000	25.42
0	0	0	16.5001	25.43
0	0	0	17.0000	25.43
0	0	0	17.5001	25.44
0	0	0	18.0001	25.44
0	0	0	18.5002	25.45
0	0	0	19.0001	25.45
0	0	0	19.5002	25.46
0	0	0	20.0000	25.46
0	0	0	20.5002	25.46
0	0	0	21.0001	25.47
0	0	0	21.5001	25.47
0	0	0	22.0000	25.47
0	0	0	22.5000	25.47
0	0	0	23.0001	25.47
0	0	0	23.5001	25.48
0	0	0	24.0001	25.48
0	0	0	24.5000	25.48
0	0	0	25.0002	25.48
0	0	0	25.5001	25.48
0	0	0	26.0001	25.48
0	0	0	26.5001	25.47
0	0	0	27.0000	25.47

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	27.5000	25.47
0	0	0	28.0001	25.47
0	0	0	28.5000	25.47
0	0	0	29.0000	25.47
0	0	0	29.5000	25.46
0	0	0	30.0000	25.46
0	0	0	30.5000	25.46
0	0	0	31.0000	25.46
0	0	0	31.5000	25.46
0	0	0	32.0001	25.45
0	0	0	32.5001	25.45
0	0	0	33.0001	25.45
0	0	0	33.5000	25.45
0	0	0	34.0000	25.45
0	0	0	34.5000	25.45
0	0	0	35.0000	25.44
0	0	0	35.5001	25.44
0	0	0	36.0001	25.44
0	0	0	36.5000	25.44
0	0	0	37.0000	25.44
0	0	0	37.5000	25.43
0	0	0	38.0000	25.43
0	0	0	38.5000	25.43
0	0	0	39.0000	25.43
0	0	0	39.5001	25.43
0	0	0	40.0000	25.43
0	0	0	40.5000	25.42
0	0	0	41.0000	25.42
0	0	0	41.5000	25.42
0	0	0	42.0000	25.42
0	0	0	42.5000	25.42
0	0	0	43.0000	25.41
0	0	0	43.5000	25.41
0	0	0	44.0000	25.41
0	0	0	44.5000	25.41
0	0	0	45.0000	25.41
0	0	0	45.5001	25.41
0	0	0	46.0001	25.40
0	0	0	46.5000	25.40
0	0	0	47.0000	25.40
0	0	0	47.5000	25.40
0	0	0	48.0001	25.40
0	0	0	48.5001	25.40
0	0	0	49.0000	25.39
0	0	0	49.5000	25.39
0	0	0	50.0000	25.39
0	0	0	50.5001	25.39
0	0	0	51.0001	25.39
0	0	0	51.5001	25.39

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	52.0001	25.38
0	0	0	52.5000	25.38
0	0	0	53.0001	25.38
0	0	0	53.5001	25.38
0	0	0	54.0001	25.38
0	0	0	54.5001	25.38
0	0	0	55.0000	25.38
0	0	0	55.5000	25.37
0	0	0	56.0000	25.37
0	0	0	56.5001	25.37
0	0	0	57.0000	25.37
0	0	0	57.5001	25.37
0	0	0	58.0001	25.37
0	0	0	58.5001	25.36
0	0	0	59.0001	25.36
0	0	0	59.5001	25.36
0	0	0	60.0000	25.36
0	0	0	60.5000	25.36
0	0	0	61.0000	25.36
0	0	0	61.5000	25.36
0	0	0	62.0000	25.36
0	0	0	62.5000	25.36
0	0	0	63.0000	25.36
0	0	0	63.5000	25.36
0	0	0	64.0001	25.36
0	0	0	64.5000	25.36
0	0	0	65.0000	25.36
0	0	0	65.5000	25.36
0	0	0	66.0001	25.36
0	0	0	66.5000	25.36
0	0	0	67.0000	25.36
0	0	0	67.5000	25.36
0	0	0	68.0002	25.36
0	0	0	68.5001	25.36
0	0	0	69.0000	25.36
0	0	0	69.5000	25.36
0	0	0	70.0000	25.36
0	0	0	70.5001	25.36
0	0	0	71.0000	25.36
0	0	0	71.5001	25.36
0	0	0	72.0001	25.36
0	0	0	73.0001	25.36
0	0	0	74.0000	25.36
0	0	0	75.0000	25.36
0	0	0	76.0000	25.36
0	0	0	77.0001	25.36
0	0	0	78.0000	25.36
0	0	0	79.0002	25.36
0	0	0	80.0001	25.36

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	81.0001	25.36
0	0	0	82.0001	25.36
0	0	0	83.0001	25.36
0	0	0	84.0000	25.36
0	0	0	85.0001	25.36
0	0	0	86.0002	25.36
0	0	0	87.0001	25.36
0	0	0	88.0000	25.36
0	0	0	89.0000	25.36
0	0	0	90.0000	25.36
0	0	0	91.0000	25.36
0	0	0	92.0000	25.36
0	0	0	93.0001	25.36
0	0	0	94.0000	25.36
0	0	0	95.0001	25.36
0	0	0	96.0001	25.36
0	0	0	97.0000	25.36
0	0	0	98.0000	25.36
0	0	0	99.0001	25.36
0	0	0	100.0001	25.36
0	0	0	101.0000	25.36
0	0	0	102.0001	25.36
0	0	0	103.0001	25.36
0	0	0	104.0001	25.36
0	0	0	105.0000	25.35
0	0	0	106.0001	25.35
0	0	0	107.0001	25.35
0	0	0	108.0001	25.35
0	0	0	109.0001	25.35
0	0	0	110.0001	25.35
0	0	0	111.0001	25.35
0	0	0	112.0001	25.35
0	0	0	113.0001	25.35
0	0	0	114.0000	25.35
0	0	0	115.0001	25.35
0	0	0	116.0000	25.35
0	0	0	117.0001	25.35
0	0	0	118.0002	25.35
0	0	0	119.0000	25.35
0	0	0	120.0001	25.35
0	0	0	121.0001	25.35
0	0	0	122.0001	25.35
0	0	0	123.0000	25.34
0	0	0	124.0001	25.34
0	0	0	125.0002	25.34
0	0	0	126.0001	25.34
0	0	0	127.0000	25.34
0	0	0	128.0001	25.34
0	0	0	129.0003	25.34

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	130.0001	25.34
0	0	0	131.0001	25.34
0	0	0	132.0000	25.34
0	0	0	133.0000	25.34
0	0	0	134.0003	25.34
0	0	0	135.0002	25.34
0	0	0	136.0000	25.33
0	0	0	137.0001	25.33
0	0	0	138.0001	25.33
0	0	0	139.0001	25.33
0	0	0	140.0003	25.33
0	0	0	141.0001	25.33
0	0	0	142.0001	25.33
0	0	0	143.0004	25.33
0	0	0	144.0001	25.33
0	0	0	145.0001	25.33
0	0	0	146.0001	25.33
0	0	0	147.0001	25.33
0	0	0	148.0003	25.32
0	0	0	149.0000	25.32
0	0	0	150.0001	25.32
0	0	0	151.0000	25.32
0	0	0	152.0002	25.32
0	0	0	153.0004	25.32
0	0	0	154.0000	25.32
0	0	0	155.0001	25.32
0	0	0	156.0001	25.32
0	0	0	157.0002	25.32
0	0	0	158.0000	25.31
0	0	0	159.0001	25.31
0	0	0	160.0002	25.31
0	0	0	161.0003	25.31
0	0	0	162.0000	25.31
0	0	0	163.0002	25.31
0	0	0	164.0002	25.31
0	0	0	165.0003	25.31
0	0	0	166.0000	25.31
0	0	0	167.0001	25.31
0	0	0	168.0002	25.30
0	0	0	169.0001	25.30
0	0	0	170.0003	25.30
0	0	0	171.0002	25.30
0	0	0	172.0002	25.30
0	0	0	173.0001	25.30
0	0	0	174.0000	25.30
0	0	0	175.0003	25.30
0	0	0	176.0003	25.29
0	0	0	177.0000	25.29
0	0	0	178.0000	25.29

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	179.0001	25.29
0	0	0	180.0000	25.29
0	0	0	181.0001	25.29
0	0	0	182.0001	25.29
0	0	0	183.0003	25.29
0	0	0	184.0000	25.28
0	0	0	185.0002	25.28
0	0	0	186.0001	25.28
0	0	0	187.0000	25.28
0	0	0	188.0000	25.28
0	0	0	189.0002	25.28
0	0	0	190.0000	25.28
0	0	0	191.0002	25.28
0	0	0	192.0002	25.27
0	0	0	193.0001	25.27
0	0	0	194.0002	25.27
0	0	0	195.0002	25.27
0	0	0	196.0000	25.27
0	0	0	197.0003	25.27
0	0	0	198.0002	25.26
0	0	0	199.0002	25.26
0	0	0	200.0001	25.26
0	0	0	201.0000	25.26
0	0	0	202.0002	25.26
0	0	0	203.0001	25.26
0	0	0	204.0005	25.26
0	0	0	205.0001	25.25
0	0	0	206.0001	25.25
0	0	0	207.0000	25.25
0	0	0	208.0002	25.25
0	0	0	209.0001	25.25
0	0	0	210.0000	25.25
0	0	0	211.0003	25.24
0	0	0	212.0001	25.24
0	0	0	213.0003	25.24
0	0	0	214.0001	25.24
0	0	0	215.0003	25.24
0	0	0	216.0001	25.23
0	0	0	217.0000	25.23
0	0	0	218.0001	25.23
0	0	0	219.0000	25.23
0	0	0	220.0002	25.23
0	0	0	221.0001	25.22
0	0	0	222.0001	25.22
0	0	0	223.0002	25.22
0	0	0	224.0000	25.22
0	0	0	225.0002	25.22
0	0	0	226.0002	25.21
0	0	0	227.0001	25.21

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	228.0001	25.21
0	0	0	229.0001	25.21
0	0	0	230.0002	25.21
0	0	0	231.0000	25.20
0	0	0	232.0001	25.20
0	0	0	233.0000	25.20
0	0	0	234.0000	25.20
0	0	0	235.0000	25.20
0	0	0	236.0003	25.19
0	0	0	237.0002	25.19
0	0	0	238.0001	25.19
0	0	0	239.0000	25.19
0	0	0	240.0002	25.18
0	0	0	241.0002	25.18
0	0	0	242.0000	25.18
0	0	0	243.0002	25.18
0	0	0	244.0004	25.18
0	0	0	245.0001	25.17
0	0	0	246.0000	25.17
0	0	0	247.0001	25.17
0	0	0	248.0002	25.17
0	0	0	249.0001	25.16
0	0	0	250.0001	25.16
0	0	0	251.0001	25.16
0	0	0	252.0001	25.16
0	0	0	253.0001	25.16
0	0	0	254.0000	25.15
0	0	0	255.0001	25.15
0	0	0	256.0002	25.15
0	0	0	257.0000	25.15
0	0	0	258.0001	25.14
0	0	0	259.0000	25.14
0	0	0	260.0001	25.14
0	0	0	261.0001	25.14
0	0	0	262.0001	25.13
0	0	0	263.0000	25.13
0	0	0	264.0001	25.13
0	0	0	265.0003	25.13
0	0	0	266.0002	25.12
0	0	0	267.0000	25.12
0	0	0	268.0000	25.12
0	0	0	269.0001	25.12
0	0	0	270.0002	25.12
0	0	0	271.0001	25.11
0	0	0	272.0002	25.11
0	0	0	273.0000	25.11
0	0	0	274.0001	25.11
0	0	0	275.0000	25.10
0	0	0	276.0001	25.10

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	277.0000	25.10
0	0	0	278.0002	25.10
0	0	0	279.0001	25.10
0	0	0	280.0002	25.09
0	0	0	281.0002	25.09
0	0	0	282.0002	25.09
0	0	0	283.0003	25.09
0	0	0	284.0001	25.08
0	0	0	285.0001	25.08
0	0	0	286.0001	25.08
0	0	0	287.0000	25.08
0	0	0	288.0002	25.07
0	0	0	289.0002	25.07
0	0	0	290.0002	25.07
0	0	0	291.0000	25.07
0	0	0	292.0001	25.07
0	0	0	293.0001	25.06
0	0	0	294.0000	25.06
0	0	0	295.0002	25.06
0	0	0	296.0002	25.06
0	0	0	297.0001	25.06
0	0	0	298.0001	25.05
0	0	0	299.0001	25.05
0	0	0	300.0000	25.05
0	0	0	301.0001	25.05
0	0	0	302.0001	25.05
0	0	0	303.0001	25.04
0	0	0	304.0002	25.04
0	0	0	305.0001	25.04
0	0	0	306.0001	25.04
0	0	0	307.0000	25.04
0	0	0	308.0000	25.03
0	0	0	309.0000	25.03
0	0	0	310.0002	25.03
0	0	0	311.0000	25.03
0	0	0	312.0000	25.03

Comment:

Boundary Stage: EB TAILWATER

Boundary Stage Set: 2.33yr

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	24.84
0	0	0	0.5050	24.84
0	0	0	1.0021	24.84

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	1.5105	24.84
0	0	0	2.0001	24.84
0	0	0	2.5000	24.85
0	0	0	3.0000	24.85
0	0	0	3.5001	24.85
0	0	0	4.0000	24.85
0	0	0	4.5001	24.85
0	0	0	5.0001	24.86
0	0	0	5.5001	24.86
0	0	0	6.0008	24.86
0	0	0	6.5002	24.86
0	0	0	7.0000	24.87
0	0	0	7.5001	24.87
0	0	0	8.0000	24.87
0	0	0	8.5000	24.88
0	0	0	9.0000	24.88
0	0	0	9.5007	24.89
0	0	0	10.0000	24.89
0	0	0	10.1667	24.89
0	0	0	10.3334	24.90
0	0	0	10.5001	24.90
0	0	0	10.6669	24.91
0	0	0	10.8335	24.91
0	0	0	11.0003	24.91
0	0	0	11.1668	24.92
0	0	0	11.3335	24.93
0	0	0	11.5002	24.93
0	0	0	11.6669	24.94
0	0	0	11.8338	24.95
0	0	0	12.0004	24.97
0	0	0	12.1670	24.99
0	0	0	12.3335	25.03
0	0	0	12.5006	25.08
0	0	0	12.6667	25.15
0	0	0	12.8335	25.24
0	0	0	13.0002	25.32
0	0	0	13.1672	25.39
0	0	0	13.3334	25.43
0	0	0	13.5002	25.44
0	0	0	13.6673	25.45
0	0	0	13.8334	25.46
0	0	0	14.0002	25.46
0	0	0	14.1672	25.46
0	0	0	14.3336	25.46
0	0	0	14.5005	25.46
0	0	0	14.6673	25.46
0	0	0	14.8335	25.46
0	0	0	15.0009	25.46
0	0	0	15.5006	25.45

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	16.0004	25.43
0	0	0	16.5001	25.42
0	0	0	17.0002	25.40
0	0	0	17.5009	25.39
0	0	0	18.0008	25.37
0	0	0	18.5007	25.35
0	0	0	19.0004	25.34
0	0	0	19.5003	25.32
0	0	0	20.0003	25.32
0	0	0	20.5008	25.31
0	0	0	21.0009	25.30
0	0	0	21.5010	25.29
0	0	0	22.0011	25.29
0	0	0	22.5000	25.29
0	0	0	23.0008	25.28
0	0	0	23.5007	25.28
0	0	0	24.0003	25.27
0	0	0	24.5001	25.27
0	0	0	25.0004	25.26
0	0	0	25.5004	25.26
0	0	0	26.0003	25.25
0	0	0	26.5002	25.24
0	0	0	27.0001	25.23
0	0	0	27.5007	25.22
0	0	0	28.0009	25.21
0	0	0	28.5004	25.19
0	0	0	29.0005	25.18
0	0	0	29.5003	25.16
0	0	0	30.0002	25.15
0	0	0	30.5000	25.14
0	0	0	31.0005	25.12
0	0	0	31.5002	25.11
0	0	0	32.0006	25.09
0	0	0	32.5000	25.08
0	0	0	33.0007	25.06
0	0	0	33.5006	25.05
0	0	0	34.0002	25.03
0	0	0	34.5004	25.02
0	0	0	35.0003	25.01
0	0	0	35.5004	24.99
0	0	0	36.0001	24.98
0	0	0	36.5005	24.97
0	0	0	37.0003	24.96
0	0	0	37.5004	24.95
0	0	0	38.0003	24.94
0	0	0	38.5001	24.93
0	0	0	39.0003	24.92
0	0	0	39.5000	24.91
0	0	0	40.0003	24.90

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	40.5000	24.89
0	0	0	41.0000	24.89
0	0	0	41.5001	24.88
0	0	0	42.0002	24.87
0	0	0	42.5001	24.87
0	0	0	43.0001	24.86
0	0	0	43.5001	24.86
0	0	0	44.0001	24.86
0	0	0	44.5001	24.85
0	0	0	45.0001	24.85
0	0	0	45.5000	24.85
0	0	0	46.0001	24.85
0	0	0	46.5001	24.85
0	0	0	47.0001	24.85
0	0	0	47.5001	24.85
0	0	0	48.0001	24.85
0	0	0	48.5001	24.85
0	0	0	49.0001	24.85
0	0	0	49.5000	24.85
0	0	0	50.0001	24.85
0	0	0	50.5000	24.85
0	0	0	51.0001	24.85
0	0	0	51.5001	24.85
0	0	0	52.0000	24.85
0	0	0	52.5005	24.85
0	0	0	53.0001	24.85
0	0	0	53.5000	24.85
0	0	0	54.0001	24.85
0	0	0	54.5000	24.85
0	0	0	55.0002	24.85
0	0	0	55.5031	24.85
0	0	0	56.0012	24.85
0	0	0	56.5064	24.85
0	0	0	57.0074	24.85
0	0	0	57.5023	24.85
0	0	0	58.0004	24.85
0	0	0	58.5001	24.85
0	0	0	59.0001	24.85
0	0	0	59.5000	24.85
0	0	0	60.0001	24.85
0	0	0	60.5001	24.85
0	0	0	61.0001	24.85
0	0	0	61.5001	24.85
0	0	0	62.0010	24.85
0	0	0	62.5013	24.85
0	0	0	63.0002	24.85
0	0	0	63.5001	24.85
0	0	0	64.0002	24.85
0	0	0	64.5000	24.85

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	65.0000	24.85
0	0	0	65.5000	24.85
0	0	0	66.0002	24.85
0	0	0	66.5007	24.85
0	0	0	67.0000	24.85
0	0	0	67.5001	24.85
0	0	0	68.0000	24.85
0	0	0	68.5000	24.85
0	0	0	69.0000	24.85
0	0	0	69.5000	24.85
0	0	0	70.0000	24.85
0	0	0	70.5001	24.85
0	0	0	71.0001	24.85
0	0	0	71.5002	24.85
0	0	0	72.0001	24.85
0	0	0	73.0000	24.85
0	0	0	74.0001	24.84
0	0	0	75.0000	24.84
0	0	0	76.0001	24.84
0	0	0	77.0006	24.84
0	0	0	78.0001	24.84
0	0	0	79.0000	24.84
0	0	0	80.0016	24.84
0	0	0	81.0001	24.84
0	0	0	82.0002	24.84
0	0	0	83.0001	24.84
0	0	0	84.0012	24.84
0	0	0	85.0001	24.84
0	0	0	86.0000	24.84
0	0	0	87.0002	24.84
0	0	0	88.0001	24.84
0	0	0	89.0001	24.84
0	0	0	90.0001	24.84
0	0	0	91.0001	24.84
0	0	0	92.0008	24.84
0	0	0	93.0000	24.84
0	0	0	94.0008	24.84
0	0	0	95.0008	24.84
0	0	0	96.0029	24.84
0	0	0	97.0029	24.84
0	0	0	98.0056	24.84
0	0	0	99.0002	24.84
0	0	0	100.0002	24.84
0	0	0	101.0023	24.84
0	0	0	102.0033	24.84
0	0	0	103.0001	24.84
0	0	0	104.0003	24.84
0	0	0	105.0002	24.84
0	0	0	106.0001	24.84

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	107.0008	24.84
0	0	0	108.0003	24.84
0	0	0	109.0002	24.84
0	0	0	110.0008	24.84
0	0	0	111.0002	24.84
0	0	0	112.0001	24.84
0	0	0	113.0009	24.84
0	0	0	114.0008	24.84
0	0	0	115.0001	24.84
0	0	0	116.0001	24.84
0	0	0	117.0001	24.84
0	0	0	118.0002	24.84
0	0	0	119.0003	24.84
0	0	0	120.0002	24.84
0	0	0	121.0002	24.84
0	0	0	122.0006	24.84
0	0	0	123.0009	24.84
0	0	0	124.0001	24.84
0	0	0	125.0001	24.84
0	0	0	126.0006	24.84
0	0	0	127.0003	24.84
0	0	0	128.0000	24.84
0	0	0	129.0018	24.84
0	0	0	130.0019	24.84
0	0	0	131.0016	24.84
0	0	0	132.0001	24.84
0	0	0	133.0002	24.84
0	0	0	134.0009	24.84
0	0	0	135.0010	24.84
0	0	0	136.0002	24.84
0	0	0	137.0004	24.84
0	0	0	138.0005	24.84
0	0	0	139.0004	24.84
0	0	0	140.0003	24.84
0	0	0	141.0002	24.84
0	0	0	142.0001	24.84
0	0	0	143.0000	24.84
0	0	0	144.0007	24.84
0	0	0	145.0015	24.84
0	0	0	146.0006	24.84
0	0	0	147.0002	24.84
0	0	0	148.0001	24.84
0	0	0	149.0013	24.84
0	0	0	150.0010	24.84
0	0	0	151.0003	24.84
0	0	0	152.0002	24.84
0	0	0	153.0023	24.84
0	0	0	154.0000	24.84
0	0	0	155.0003	24.84

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	156.0001	24.84
0	0	0	157.0011	24.84
0	0	0	158.0001	24.84
0	0	0	159.0005	24.84
0	0	0	160.0003	24.84
0	0	0	161.0007	24.84
0	0	0	162.0001	24.84
0	0	0	163.0014	24.84
0	0	0	164.0005	24.84
0	0	0	165.0006	24.84
0	0	0	166.0005	24.84
0	0	0	167.0005	24.84
0	0	0	168.0014	24.84
0	0	0	169.0001	24.84
0	0	0	170.0012	24.84
0	0	0	171.0003	24.84
0	0	0	172.0020	24.84
0	0	0	173.0007	24.84
0	0	0	174.0020	24.84
0	0	0	175.0001	24.84
0	0	0	176.0062	24.84
0	0	0	177.0012	24.84
0	0	0	178.0077	24.84
0	0	0	179.0031	24.84
0	0	0	180.0015	24.84
0	0	0	181.0039	24.84
0	0	0	182.0062	24.84
0	0	0	183.0011	24.84
0	0	0	184.0053	24.84
0	0	0	185.0033	24.84
0	0	0	186.0111	24.84
0	0	0	187.0046	24.84
0	0	0	188.0072	24.84
0	0	0	189.0002	24.84
0	0	0	190.0011	24.84
0	0	0	191.0048	24.84
0	0	0	192.0072	24.84
0	0	0	193.0043	24.84
0	0	0	194.0089	24.84
0	0	0	195.0008	24.84
0	0	0	196.0014	24.84
0	0	0	197.0033	24.84
0	0	0	198.0016	24.84
0	0	0	199.0017	24.84
0	0	0	200.0060	24.84
0	0	0	201.0056	24.84
0	0	0	202.0078	24.84
0	0	0	203.0003	24.84
0	0	0	204.0078	24.84

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	205.0024	24.84
0	0	0	206.0029	24.84
0	0	0	207.0030	24.84
0	0	0	208.0042	24.84
0	0	0	209.0018	24.84
0	0	0	210.0079	24.84
0	0	0	211.0054	24.84
0	0	0	212.0007	24.84
0	0	0	213.0012	24.84
0	0	0	214.0035	24.84
0	0	0	215.0027	24.84
0	0	0	216.0015	24.84
0	0	0	217.0019	24.84
0	0	0	218.0006	24.84
0	0	0	219.0024	24.84
0	0	0	220.0047	24.84
0	0	0	221.0004	24.84
0	0	0	222.0088	24.84
0	0	0	223.0026	24.84
0	0	0	224.0051	24.84
0	0	0	225.0006	24.84
0	0	0	226.0010	24.84
0	0	0	227.0066	24.84
0	0	0	228.0017	24.84
0	0	0	229.0087	24.84
0	0	0	230.0018	24.84
0	0	0	231.0076	24.84
0	0	0	232.0011	24.84
0	0	0	233.0000	24.84
0	0	0	234.0061	24.84
0	0	0	235.0024	24.84
0	0	0	236.0053	24.84
0	0	0	237.0003	24.84
0	0	0	238.0031	24.84
0	0	0	239.0031	24.84
0	0	0	240.0000	24.84
0	0	0	241.0016	24.84
0	0	0	242.0018	24.84
0	0	0	243.0050	24.84
0	0	0	244.0007	24.84
0	0	0	245.0033	24.84
0	0	0	246.0105	24.84
0	0	0	247.0005	24.84
0	0	0	248.0031	24.84
0	0	0	249.0016	24.84
0	0	0	250.0078	24.84
0	0	0	251.0027	24.84
0	0	0	252.0032	24.84
0	0	0	253.0010	24.84

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	254.0013	24.84
0	0	0	255.0113	24.84
0	0	0	256.0050	24.84
0	0	0	257.0048	24.84
0	0	0	258.0021	24.84
0	0	0	259.0001	24.84
0	0	0	260.0034	24.84
0	0	0	261.0017	24.84
0	0	0	262.0045	24.84
0	0	0	263.0040	24.84
0	0	0	264.0001	24.84
0	0	0	265.0040	24.84
0	0	0	266.0034	24.84
0	0	0	267.0017	24.84
0	0	0	268.0002	24.84
0	0	0	269.0045	24.84
0	0	0	270.0031	24.84
0	0	0	271.0059	24.84
0	0	0	272.0016	24.84
0	0	0	273.0006	24.84
0	0	0	274.0059	24.84
0	0	0	275.0070	24.84
0	0	0	276.0012	24.84
0	0	0	277.0012	24.84
0	0	0	278.0027	24.84
0	0	0	279.0031	24.84
0	0	0	280.0026	24.84
0	0	0	281.0054	24.84
0	0	0	282.0008	24.84
0	0	0	283.0018	24.84
0	0	0	284.0146	24.84
0	0	0	285.0021	24.84
0	0	0	286.0063	24.84
0	0	0	287.0039	24.84
0	0	0	288.0121	24.84
0	0	0	289.0025	24.84
0	0	0	290.0068	24.84
0	0	0	291.0050	24.84
0	0	0	292.0019	24.84
0	0	0	293.0010	24.84
0	0	0	294.0088	24.84
0	0	0	295.0000	24.84
0	0	0	296.0119	24.84
0	0	0	297.0019	24.84
0	0	0	298.0037	24.84
0	0	0	299.0084	24.84
0	0	0	300.0090	24.84
0	0	0	301.0017	24.84
0	0	0	302.0018	24.84

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	303.0039	24.84
0	0	0	304.0028	24.84
0	0	0	305.0081	24.84
0	0	0	306.0049	24.84
0	0	0	307.0008	24.84
0	0	0	308.0029	24.84
0	0	0	309.0032	24.84
0	0	0	310.0107	24.84
0	0	0	311.0060	24.84
0	0	0	312.0027	24.84

Comment:

Boundary Stage: TC TAILWATER

Boundary Stage Set: 2.33yr

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	25.00
0	0	0	0.5004	25.00
0	0	0	1.0010	25.00
0	0	0	1.5002	25.00
0	0	0	2.0003	25.00
0	0	0	2.5007	25.00
0	0	0	3.0007	25.00
0	0	0	3.5004	25.00
0	0	0	4.0000	25.00
0	0	0	4.5004	25.00
0	0	0	5.0004	25.00
0	0	0	5.5002	25.01
0	0	0	6.0001	25.01
0	0	0	6.5000	25.01
0	0	0	7.0002	25.01
0	0	0	7.5001	25.01
0	0	0	8.0000	25.02
0	0	0	8.5000	25.02
0	0	0	9.0000	25.02
0	0	0	9.5007	25.03
0	0	0	10.0001	25.03
0	0	0	10.1669	25.04
0	0	0	10.3333	25.04
0	0	0	10.5000	25.04
0	0	0	10.6671	25.05
0	0	0	10.8334	25.05
0	0	0	11.0001	25.05
0	0	0	11.1668	25.06
0	0	0	11.3334	25.06

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	11.5000	25.06
0	0	0	11.6668	25.07
0	0	0	11.8335	25.08
0	0	0	12.0000	25.09
0	0	0	12.1668	25.11
0	0	0	12.3334	25.13
0	0	0	12.5001	25.15
0	0	0	12.6669	25.17
0	0	0	12.8334	25.19
0	0	0	13.0000	25.21
0	0	0	13.1668	25.22
0	0	0	13.3335	25.24
0	0	0	13.5000	25.25
0	0	0	13.6667	25.26
0	0	0	13.8335	25.27
0	0	0	14.0002	25.28
0	0	0	14.1667	25.28
0	0	0	14.3334	25.29
0	0	0	14.5001	25.30
0	0	0	14.6669	25.30
0	0	0	14.8335	25.31
0	0	0	15.0002	25.32
0	0	0	15.5001	25.33
0	0	0	16.0000	25.34
0	0	0	16.5001	25.35
0	0	0	17.0000	25.36
0	0	0	17.5001	25.36
0	0	0	18.0001	25.37
0	0	0	18.5002	25.38
0	0	0	19.0001	25.38
0	0	0	19.5002	25.39
0	0	0	20.0000	25.40
0	0	0	20.5002	25.40
0	0	0	21.0001	25.41
0	0	0	21.5001	25.41
0	0	0	22.0000	25.42
0	0	0	22.5000	25.42
0	0	0	23.0001	25.43
0	0	0	23.5001	25.43
0	0	0	24.0001	25.43
0	0	0	24.5000	25.44
0	0	0	25.0002	25.44
0	0	0	25.5001	25.44
0	0	0	26.0001	25.44
0	0	0	26.5001	25.44
0	0	0	27.0000	25.44
0	0	0	27.5000	25.44
0	0	0	28.0001	25.44
0	0	0	28.5000	25.44

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	29.0000	25.44
0	0	0	29.5000	25.44
0	0	0	30.0000	25.44
0	0	0	30.5000	25.44
0	0	0	31.0000	25.44
0	0	0	31.5000	25.44
0	0	0	32.0001	25.44
0	0	0	32.5001	25.44
0	0	0	33.0001	25.44
0	0	0	33.5000	25.43
0	0	0	34.0000	25.43
0	0	0	34.5000	25.43
0	0	0	35.0000	25.43
0	0	0	35.5001	25.43
0	0	0	36.0001	25.43
0	0	0	36.5000	25.43
0	0	0	37.0000	25.43
0	0	0	37.5000	25.42
0	0	0	38.0000	25.42
0	0	0	38.5000	25.42
0	0	0	39.0000	25.42
0	0	0	39.5001	25.42
0	0	0	40.0000	25.42
0	0	0	40.5000	25.42
0	0	0	41.0000	25.42
0	0	0	41.5000	25.41
0	0	0	42.0000	25.41
0	0	0	42.5000	25.41
0	0	0	43.0000	25.41
0	0	0	43.5000	25.41
0	0	0	44.0000	25.41
0	0	0	44.5000	25.40
0	0	0	45.0000	25.40
0	0	0	45.5001	25.40
0	0	0	46.0001	25.40
0	0	0	46.5000	25.40
0	0	0	47.0000	25.40
0	0	0	47.5000	25.40
0	0	0	48.0001	25.39
0	0	0	48.5001	25.39
0	0	0	49.0000	25.39
0	0	0	49.5000	25.39
0	0	0	50.0000	25.39
0	0	0	50.5001	25.39
0	0	0	51.0001	25.38
0	0	0	51.5001	25.38
0	0	0	52.0001	25.38
0	0	0	52.5000	25.38
0	0	0	53.0001	25.38

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	53.5001	25.38
0	0	0	54.0001	25.38
0	0	0	54.5001	25.37
0	0	0	55.0000	25.37
0	0	0	55.5000	25.37
0	0	0	56.0000	25.37
0	0	0	56.5001	25.37
0	0	0	57.0000	25.37
0	0	0	57.5001	25.37
0	0	0	58.0001	25.36
0	0	0	58.5001	25.36
0	0	0	59.0001	25.36
0	0	0	59.5001	25.36
0	0	0	60.0000	25.37
0	0	0	60.5000	25.38
0	0	0	61.0000	25.38
0	0	0	61.5000	25.38
0	0	0	62.0000	25.38
0	0	0	62.5000	25.38
0	0	0	63.0000	25.38
0	0	0	63.5000	25.38
0	0	0	64.0001	25.38
0	0	0	64.5000	25.37
0	0	0	65.0000	25.37
0	0	0	65.5000	25.37
0	0	0	66.0001	25.37
0	0	0	66.5000	25.36
0	0	0	67.0000	25.36
0	0	0	67.5000	25.36
0	0	0	68.0002	25.36
0	0	0	68.5001	25.36
0	0	0	69.0000	25.35
0	0	0	69.5000	25.35
0	0	0	70.0000	25.35
0	0	0	70.5001	25.35
0	0	0	71.0000	25.35
0	0	0	71.5001	25.35
0	0	0	72.0001	25.34
0	0	0	73.0001	25.34
0	0	0	74.0000	25.34
0	0	0	75.0000	25.34
0	0	0	76.0000	25.33
0	0	0	77.0001	25.33
0	0	0	78.0000	25.33
0	0	0	79.0002	25.33
0	0	0	80.0001	25.33
0	0	0	81.0001	25.33
0	0	0	82.0001	25.32
0	0	0	83.0001	25.32

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	84.0000	25.32
0	0	0	85.0001	25.32
0	0	0	86.0002	25.32
0	0	0	87.0001	25.32
0	0	0	88.0000	25.32
0	0	0	89.0000	25.32
0	0	0	90.0000	25.32
0	0	0	91.0000	25.32
0	0	0	92.0000	25.32
0	0	0	93.0001	25.32
0	0	0	94.0000	25.31
0	0	0	95.0001	25.31
0	0	0	96.0001	25.31
0	0	0	97.0000	25.31
0	0	0	98.0000	25.31
0	0	0	99.0001	25.31
0	0	0	100.0001	25.31
0	0	0	101.0000	25.31
0	0	0	102.0001	25.31
0	0	0	103.0001	25.31
0	0	0	104.0001	25.31
0	0	0	105.0000	25.31
0	0	0	106.0001	25.31
0	0	0	107.0001	25.31
0	0	0	108.0001	25.31
0	0	0	109.0001	25.31
0	0	0	110.0001	25.31
0	0	0	111.0001	25.31
0	0	0	112.0001	25.31
0	0	0	113.0001	25.31
0	0	0	114.0000	25.30
0	0	0	115.0001	25.30
0	0	0	116.0000	25.30
0	0	0	117.0001	25.30
0	0	0	118.0002	25.30
0	0	0	119.0000	25.30
0	0	0	120.0001	25.30
0	0	0	121.0001	25.30
0	0	0	122.0001	25.30
0	0	0	123.0000	25.30
0	0	0	124.0001	25.30
0	0	0	125.0002	25.30
0	0	0	126.0001	25.30
0	0	0	127.0000	25.30
0	0	0	128.0001	25.30
0	0	0	129.0003	25.30
0	0	0	130.0001	25.30
0	0	0	131.0001	25.30
0	0	0	132.0000	25.29

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	133.0000	25.29
0	0	0	134.0003	25.29
0	0	0	135.0002	25.29
0	0	0	136.0000	25.29
0	0	0	137.0001	25.29
0	0	0	138.0001	25.29
0	0	0	139.0001	25.29
0	0	0	140.0003	25.29
0	0	0	141.0001	25.29
0	0	0	142.0001	25.29
0	0	0	143.0004	25.29
0	0	0	144.0001	25.29
0	0	0	145.0001	25.29
0	0	0	146.0001	25.29
0	0	0	147.0001	25.28
0	0	0	148.0003	25.28
0	0	0	149.0000	25.28
0	0	0	150.0001	25.28
0	0	0	151.0000	25.28
0	0	0	152.0002	25.28
0	0	0	153.0004	25.28
0	0	0	154.0000	25.28
0	0	0	155.0001	25.28
0	0	0	156.0001	25.28
0	0	0	157.0002	25.28
0	0	0	158.0000	25.28
0	0	0	159.0001	25.27
0	0	0	160.0002	25.27
0	0	0	161.0003	25.27
0	0	0	162.0000	25.27
0	0	0	163.0002	25.27
0	0	0	164.0002	25.27
0	0	0	165.0003	25.27
0	0	0	166.0000	25.27
0	0	0	167.0001	25.27
0	0	0	168.0002	25.27
0	0	0	169.0001	25.27
0	0	0	170.0003	25.26
0	0	0	171.0002	25.26
0	0	0	172.0002	25.26
0	0	0	173.0001	25.26
0	0	0	174.0000	25.26
0	0	0	175.0003	25.26
0	0	0	176.0003	25.26
0	0	0	177.0000	25.26
0	0	0	178.0000	25.26
0	0	0	179.0001	25.26
0	0	0	180.0000	25.25
0	0	0	181.0001	25.25

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	182.0001	25.25
0	0	0	183.0003	25.25
0	0	0	184.0000	25.25
0	0	0	185.0002	25.25
0	0	0	186.0001	25.25
0	0	0	187.0000	25.25
0	0	0	188.0000	25.25
0	0	0	189.0002	25.24
0	0	0	190.0000	25.24
0	0	0	191.0002	25.24
0	0	0	192.0002	25.24
0	0	0	193.0001	25.24
0	0	0	194.0002	25.24
0	0	0	195.0002	25.24
0	0	0	196.0000	25.24
0	0	0	197.0003	25.24
0	0	0	198.0002	25.23
0	0	0	199.0002	25.23
0	0	0	200.0001	25.23
0	0	0	201.0000	25.23
0	0	0	202.0002	25.23
0	0	0	203.0001	25.23
0	0	0	204.0005	25.23
0	0	0	205.0001	25.22
0	0	0	206.0001	25.22
0	0	0	207.0000	25.22
0	0	0	208.0002	25.22
0	0	0	209.0001	25.22
0	0	0	210.0000	25.22
0	0	0	211.0003	25.22
0	0	0	212.0001	25.22
0	0	0	213.0003	25.21
0	0	0	214.0001	25.21
0	0	0	215.0003	25.21
0	0	0	216.0001	25.21
0	0	0	217.0000	25.21
0	0	0	218.0001	25.21
0	0	0	219.0000	25.20
0	0	0	220.0002	25.20
0	0	0	221.0001	25.20
0	0	0	222.0001	25.20
0	0	0	223.0002	25.20
0	0	0	224.0000	25.20
0	0	0	225.0002	25.20
0	0	0	226.0002	25.19
0	0	0	227.0001	25.19
0	0	0	228.0001	25.19
0	0	0	229.0001	25.19
0	0	0	230.0002	25.19

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	231.0000	25.19
0	0	0	232.0001	25.18
0	0	0	233.0000	25.18
0	0	0	234.0000	25.18
0	0	0	235.0000	25.18
0	0	0	236.0003	25.18
0	0	0	237.0002	25.17
0	0	0	238.0001	25.17
0	0	0	239.0000	25.17
0	0	0	240.0002	25.17
0	0	0	241.0002	25.17
0	0	0	242.0000	25.17
0	0	0	243.0002	25.16
0	0	0	244.0004	25.16
0	0	0	245.0001	25.16
0	0	0	246.0000	25.16
0	0	0	247.0001	25.16
0	0	0	248.0002	25.15
0	0	0	249.0001	25.15
0	0	0	250.0001	25.15
0	0	0	251.0001	25.15
0	0	0	252.0001	25.15
0	0	0	253.0001	25.14
0	0	0	254.0000	25.14
0	0	0	255.0001	25.14
0	0	0	256.0002	25.14
0	0	0	257.0000	25.13
0	0	0	258.0001	25.13
0	0	0	259.0000	25.13
0	0	0	260.0001	25.13
0	0	0	261.0001	25.13
0	0	0	262.0001	25.12
0	0	0	263.0000	25.12
0	0	0	264.0001	25.12
0	0	0	265.0003	25.12
0	0	0	266.0002	25.12
0	0	0	267.0000	25.11
0	0	0	268.0000	25.11
0	0	0	269.0001	25.11
0	0	0	270.0002	25.11
0	0	0	271.0001	25.11
0	0	0	272.0002	25.10
0	0	0	273.0000	25.10
0	0	0	274.0001	25.10
0	0	0	275.0000	25.10
0	0	0	276.0001	25.10
0	0	0	277.0000	25.09
0	0	0	278.0002	25.09
0	0	0	279.0001	25.09

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	280.0002	25.09
0	0	0	281.0002	25.09
0	0	0	282.0002	25.08
0	0	0	283.0003	25.08
0	0	0	284.0001	25.08
0	0	0	285.0001	25.08
0	0	0	286.0001	25.08
0	0	0	287.0000	25.07
0	0	0	288.0002	25.07
0	0	0	289.0002	25.07
0	0	0	290.0002	25.07
0	0	0	291.0000	25.07
0	0	0	292.0001	25.06
0	0	0	293.0001	25.06
0	0	0	294.0000	25.06
0	0	0	295.0002	25.06
0	0	0	296.0002	25.06
0	0	0	297.0001	25.05
0	0	0	298.0001	25.05
0	0	0	299.0001	25.05
0	0	0	300.0000	25.05
0	0	0	301.0001	25.05
0	0	0	302.0001	25.05
0	0	0	303.0001	25.04
0	0	0	304.0002	25.04
0	0	0	305.0001	25.04
0	0	0	306.0001	25.04
0	0	0	307.0000	25.04
0	0	0	308.0000	25.04
0	0	0	309.0000	25.03
0	0	0	310.0002	25.03
0	0	0	311.0000	25.03
0	0	0	312.0000	25.03

Comment:

Boundary Stage: AirportBasin11

Boundary Stage Set: 25yr

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	25.00
0	0	0	30.0000	25.05
0	0	0	40.0000	25.18
0	0	0	60.0000	25.60
0	0	0	64.0000	26.00
0	0	0	80.0000	26.06

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	100.0000	26.00
0	0	0	240.0000	25.53
0	0	0	360.0000	25.33
0	0	0	999.0000	25.00

Comment:

Boundary Stage: EB TAILWATER

Boundary Stage Set: 25yr

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	24.84
0	0	0	30.0000	24.94
0	0	0	60.0000	25.34
0	0	0	73.0000	25.92
0	0	0	240.0000	25.36
0	0	0	360.0000	24.96
0	0	0	9999.0000	24.84

Comment:

Boundary Stage: TC TAILWATER

Boundary Stage Set: 25yr

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	25.00
0	0	0	30.0000	25.10
0	0	0	60.0000	25.50
0	0	0	73.0000	26.08
0	0	0	240.0000	25.52
0	0	0	360.0000	25.14
0	0	0	999.0000	25.00

Comment:

Boundary Stage: AirportBasin11

Boundary Stage Set: 5yr

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	25.00
0	0	0	30.0000	25.05

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	40.0000	25.18
0	0	0	60.0000	25.60
0	0	0	64.0000	26.00
0	0	0	80.0000	26.06
0	0	0	100.0000	26.00
0	0	0	240.0000	25.53
0	0	0	360.0000	25.33
0	0	0	999.0000	25.00

Comment:

Boundary Stage: EB TAILWATER

Boundary Stage Set: 5yr

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	24.84
0	0	0	19.6000	24.94
0	0	0	336.0000	24.84

Comment:

Boundary Stage: TC TAILWATER

Boundary Stage Set: 5yr

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	25.00
0	0	0	19.6000	25.10
0	0	0	336.0000	25.00

Comment:

Simulation: 100Y3D

Scenario: Icpr3
Run Date/Time: 8/19/2022 5:43:25 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

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

End Time:	0	0	0	360.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.0001	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	48.0000	5.0000
0	0	0	55.0000	5.0000
0	0	0	61.0000	5.0000
0	0	0	72.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	30.0000
0	0	0	48.0000	15.0000
0	0	0	55.0000	10.0000
0	0	0	61.0000	15.0000
0	0	0	72.0000	60.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set: 100yr
Extern Hydrograph Set:
Curve Number Set: ICPR3
Green-Ampt Set: ICPR3
Vertical Layers Set:
Impervious Set: ICPR3
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0001 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Region Specification
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Sfwmd72
		Rainfall Amount:	13.90 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10Y1D

Scenario: Icpr3
Run Date/Time: 8/19/2022 7:42:27 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	312.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.0001	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	10.0000	5.0000
0	0	0	15.0000	5.0000

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	72.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	30.0000
0	0	0	10.0000	10.0000
0	0	0	15.0000	30.0000
0	0	0	72.0000	60.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set: 10yr
Extern Hydrograph Set:
Curve Number Set: ICPR3
Green-Ampt Set: ICPR3
Vertical Layers Set:
Impervious Set: ICPR3
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0001 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area 1 ft2

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Region Specification
Rainfall Name: Flmod
Rainfall Amount: 6.50 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 113 ft2

(2D):		(1D):	
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 2.33Y1D

Scenario: Icpr3
Run Date/Time: 8/19/2022 8:06:49 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	312.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.0001	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	10.0000	5.0000
0	0	0	15.0000	5.0000
0	0	0	24.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000
0	0	0	8.0000	15.0000
0	0	0	15.0000	5.0000
0	0	0	9999.0000	30.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:	ICPR3
Reference ET Folder:	
Unit Hydrograph Folder:	ICPR3

Lookup Tables

Boundary Stage Set:	2.33yr
Extern Hydrograph Set:	
Curve Number Set:	Icpr3
Green-Ampt Set:	ICPR3
Vertical Layers Set:	
Impervious Set:	Icpr3
Roughness Set:	
Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	20	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0001 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Flmod
		Rainfall Amount:	4.50 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 25Y3D

Scenario:	Icpr3
Run Date/Time:	8/19/2022 8:41:33 PM
Program Version:	ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	10.0000	0.0001	900.0000
Max Calculation Time:		10.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000
0	0	0	48.0000	5.0000
0	0	0	55.0000	5.0000
0	0	0	61.0000	5.0000
0	0	0	72.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	30.0000
0	0	0	48.0000	15.0000
0	0	0	55.0000	10.0000
0	0	0	61.0000	15.0000
0	0	0	72.0000	60.0000
0	0	0	360.0000	60.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000
0	0	0	360.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set: 25yr
Extern Hydrograph Set:
Curve Number Set: ICPR3
Green-Ampt Set: ICPR3
Vertical Layers Set:
Impervious Set: ICPR3
Roughness Set:

Crop Coef Set:	
Fillable Porosity Set:	
Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0001 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Region Specification
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Sfwmd72
		Rainfall Amount:	10.60 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

APPENDIX I- PROPOSED CONDITIONS NODE MAX

APPENDIX J-PROPOSED CONDITIONS LINK MAX

Link Min/Max Conditions [Icpr3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CH-DMY1-DMY2	100Y3D	6.23	-1.78	-0.56	0.36	0.28	0.32
CH-PR1A-DPDMY 1	100Y3D	1.51	-1.57	-0.01	-0.19	-0.36	-0.27
CH-SWN2-SWN3	100Y3D	21.88	-7.83	0.30	0.58	0.61	0.60
CH-SWN3-SWN4	100Y3D	25.21	-7.27	0.22	0.70	0.80	0.75
CH-SWN4-TCOUTFALL	100Y3D	33.53	-9.16	1.08	1.12	1.14	1.13
CH-TCCOM-SWN2	100Y3D	25.45	-9.93	0.20	0.65	0.69	0.67
CH-WETLAND1-ENT DMY 1	100Y3D	0.95	0.00	0.00	0.22	0.29	0.25
CH-WETLAND2- ENT DMY2	100Y3D	0.77	0.00	0.00	0.13	0.16	0.14
CS1-DRD-N3	100Y3D	7.47	-0.10	0.00	0.00	0.00	0.00
CS1-DRD-N4	100Y3D	13.07	-0.17	0.00	0.00	0.00	0.00
CS1-DRD-TCCOM	100Y3D	6.80	-0.09	0.00	0.00	0.00	0.00
CS1-DRD-TCOUTFALL	100Y3D	3.26	-0.04	0.00	0.00	0.00	0.00
CS1-DS1-DRD	100Y3D	9.89	-0.13	0.00	0.00	0.00	0.00
CS2-DRD-TCCOM	100Y3D	6.80	-0.09	0.00	0.00	0.00	0.00
CS2-DRD-TCOUTFALL	100Y3D	5.05	-0.07	0.00	0.00	0.00	0.00
CS2-DS1-DRD	100Y3D	8.33	-0.11	0.00	0.00	0.00	0.00
CS3-DRD-TCCOM	100Y3D	4.48	-0.06	0.00	0.00	0.00	0.00
CS3-DRD-TCOUTFALL	100Y3D	9.89	-0.13	0.00	0.00	0.00	0.00
DS-BASIN10-PR1A - Pipe	100Y3D	7.12	0.00	-0.01	0.00	0.00	0.00
DS-BASIN10-PR1A - Weir: 1	100Y3D	1.25	0.00	0.00	7.25	7.25	7.25
DS-BASIN10-PR1A - Weir: 2	100Y3D	1.24	0.00	0.00	6.21	6.21	6.21
DS-BASIN10-PR1A - Weir: 3	100Y3D	4.72	0.00	-0.01	1.48	1.48	1.48
DS-BASIN	100Y3D	8.70	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
11-PR3 - Pipe							
DS-BASIN 11-PR3 - Weir: 1	100Y3D	8.30	0.00	0.00	6.16	6.16	6.16
DS-BASIN 11-PR3 - Weir: 2	100Y3D	0.40	0.00	0.00	0.00	0.00	0.00
DS-BASIN 14-PR4 - Pipe	100Y3D	13.43	0.00	0.01	0.00	0.00	0.00
DS-BASIN 14-PR4 - Weir: 1	100Y3D	8.72	0.00	0.00	6.48	6.48	6.48
DS-BASIN 14-PR4 - Weir: 2	100Y3D	4.71	0.00	0.01	1.48	1.48	1.48
DS-BASIN 8-PR1A - Pipe	100Y3D	7.57	0.00	0.01	0.00	0.00	0.00
DS-BASIN 8-PR1A - Weir: 1	100Y3D	5.44	0.00	0.00	6.73	6.73	6.73
DS-BASIN 8-PR1A - Weir: 2	100Y3D	2.38	0.00	0.01	1.18	1.18	1.18
DS-BASIN 9-PR2+3 - Pipe	100Y3D	10.73	0.00	-0.01	0.00	0.00	0.00
DS-BASIN 9-PR2+3 - Weir: 1	100Y3D	9.54	0.00	0.00	7.09	7.09	7.09
DS-BASIN 9-PR2+3 - Weir: 2	100Y3D	1.66	0.00	-0.01	1.04	1.04	1.04
DS-BASIN C1-BASIN 2 - Pipe	100Y3D	2.85	0.00	-0.10	0.00	0.00	0.00
DS-BASIN C1-BASIN 2 - Weir: 1	100Y3D	2.85	0.00	-0.20	4.62	4.62	4.62
DS-DMY2-EB TW - Pipe	100Y3D	6.17	-1.94	-0.35	0.00	0.00	0.00
DS-DMY2-EB TW - Weir: 1	100Y3D	6.18	-2.22	-0.79	0.03	0.03	0.03
DS-DP DMY 1-TC COMMERCIAL - Pipe	100Y3D	1.49	-2.63	0.07	0.00	0.00	0.00
DS-DP DMY	100Y3D	1.49	-2.63	0.09	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
1-TC COMMERCIAL - Weir: 1							
DS-PR1A-SWALE N2 - Pipe	100Y3D	4.66	-5.87	-0.05	0.00	0.00	0.00
DS-PR1A-SWALE N2 - Weir: 1	100Y3D	4.66	-5.87	-0.08	0.00	0.00	0.00
DS-PR1A-SWALE N3 - Pipe	100Y3D	3.34	-2.31	0.02	0.00	0.00	0.00
DS-PR1A-SWALE N3 - Weir: 1	100Y3D	3.34	-2.31	0.03	0.00	0.00	0.00
DS-PR1B-PR2+3 - Pipe	100Y3D	3.50	0.00	0.00	0.00	0.00	0.00
DS-PR1B-PR2+3 - Weir: 1	100Y3D	3.50	0.00	0.00	0.71	0.71	0.71
DS-PR1B-SWALE N4 - Pipe	100Y3D	3.51	-1.85	-0.04	0.00	0.00	0.00
DS-PR1B-SWALE N4 - Weir: 1	100Y3D	3.51	-1.85	-0.06	0.00	0.00	0.00
DS1-PR1B-AIRPORT BASIN 11 - Pipe	100Y3D	7.95	0.00	-0.04	0.00	0.00	0.00
DS1-PR1B-AIRPORT BASIN 11 - Weir: 1	100Y3D	7.95	0.00	-0.05	0.10	0.10	0.10
DS1-PR1B-TIMBER CREEK OUTFALL - Pipe	100Y3D	3.01	-1.99	0.02	0.00	0.00	0.00
DS1-PR1B-TIMBER CREEK OUTFALL - Weir: 1	100Y3D	3.01	-1.99	0.03	0.00	0.00	0.00
DS2-PR1B-AIRPORT BASIN 11 - Pipe	100Y3D	8.39	0.00	-0.05	0.00	0.00	0.00
DS2-PR1B-AIRPORT BASIN 11 - Weir: 1	100Y3D	8.40	0.00	-0.05	0.11	0.11	0.11
DS2-PR1B-TIMBER CREEK OUTFALL - Pipe	100Y3D	5.80	-3.93	-0.05	0.00	0.00	0.00
DS2-PR1B-TI	100Y3D	5.80	-3.93	-0.05	-0.01	-0.01	-0.01

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
MBER CREEK OUTFALL - Weir: 1							
DS3-PR1B-AI RPORT BASIN 11 - Pipe	100Y3D	8.48	0.00	-0.05	0.00	0.00	0.00
DS3-PR1B-AI RPORT BASIN 11 - Weir: 1	100Y3D	8.49	0.00	-0.05	0.11	0.11	0.11
DS4-PR1B-AI RPORT BASIN 11 - Pipe	100Y3D	8.54	0.00	-0.05	0.00	0.00	0.00
DS4-PR1B-AI RPORT BASIN 11 - Weir: 1	100Y3D	8.55	0.00	-0.05	0.11	0.11	0.11
OW-BASIN15-PR2+3	100Y3D	37.11	-5.86	0.01	1.35	1.35	1.35
OW-PR2+3-PR3	100Y3D	140.66	-30.10	0.01	0.65	0.65	0.65
OW-PR3-PR4	100Y3D	234.21	-47.94	0.01	1.56	1.56	1.56
OW-PR4-PR5+6+7	100Y3D	291.65	-63.32	0.02	1.96	1.96	1.96
OW-PR5+6+7-EB TW DMY	100Y3D	490.24	-126.61	0.57	0.54	0.54	0.54
OW-PR5-PR4	100Y3D	0.45	-57.48	0.00	-0.95	-0.95	-0.95
OW-PR5-PR5+6+7	100Y3D	137.06	-25.61	0.01	2.06	2.06	2.06
P-BASIN 1-BASIN 3	100Y3D	3.73	0.00	0.02	0.76	0.76	0.76
P-BASIN 11-BASIN 9	100Y3D	3.76	-5.57	-0.11	-0.79	-0.79	-0.79
P-BASIN 12-BASIN 11	100Y3D	2.55	-15.87	-0.09	-2.24	-2.24	-2.24
P-BASIN 13-BASIN 7	100Y3D	7.85	-2.55	0.04	1.11	1.11	1.11
P-BASIN 14-BASIN 13	100Y3D	3.01	-5.50	-0.04	-0.78	-0.78	-0.78
P-BASIN 2-BASIN 3	100Y3D	3.49	-2.22	-0.06	0.49	0.49	0.49
P-BASIN 3-BASIN 4	100Y3D	2.76	-8.06	-0.02	-1.14	-1.14	-1.14
P-BASIN 3-BASIN 5	100Y3D	3.29	0.00	-0.03	0.47	0.47	0.47
P-BASIN 3-BASIN 6	100Y3D	2.66	-4.44	0.02	-0.63	-0.63	-0.63
P-BASIN 4-BASIN 7	100Y3D	6.82	-0.04	0.02	0.97	0.97	0.97

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-BASIN 5-BASIN 8	100Y3D	5.34	-0.02	0.02	0.76	0.76	0.76
P-BASIN 6-BASIN 8	100Y3D	7.42	0.00	-0.01	1.05	1.05	1.05
P-BASIN 7-BASIN 8	100Y3D	7.48	-1.09	-0.12	1.06	1.06	1.06
P-BASIN 7-BASIN 9	100Y3D	6.36	-3.40	0.03	0.90	0.90	0.90
P-BASIN 8-BASIN 9	100Y3D	5.76	-8.15	-0.03	-1.15	-1.15	-1.15
P-EB OUTFALL-EB TW	100Y3D	10.05	-9.80	-3.35	0.40	-0.40	0.40
P-ENT DMY 1- ENT DMY 2	100Y3D	8.90	0.00	-0.21	1.26	1.26	1.26
P-PR1A-PR1B	100Y3D	17.92	-0.02	0.12	1.90	1.90	1.90
P-PR2-PR2+3	100Y3D	36.86	-7.56	-0.49	2.93	2.93	2.93
P-PR5-DMY1	100Y3D	6.83	-1.54	-0.19	2.18	2.84	2.51
P1-PR5+6+7-EB TW DMY	100Y3D	2.97	-2.84	0.69	-0.76	-0.70	-0.73
P2-PR5+6+7-EB TW DMY	100Y3D	2.22	-1.42	0.84	-0.63	-0.67	-0.65
P3-DS-PR5+6+7-EB TW DMY	100Y3D	1.01	-1.16	0.20	-0.66	-0.66	-0.66
P4-PR5+6+7-EB TW DMY	100Y3D	1.87	-2.13	0.37	-0.68	-0.68	-0.68
P5-PR5+6+7-EB TW DMY	100Y3D	1.87	-2.13	0.37	-0.68	-0.68	-0.68
CH-DMY1-DMY2	10Y1D	4.18	-11.96	0.79	-0.56	-0.70	-0.63
CH-PR1A-DP DMY 1	10Y1D	0.31	-0.05	0.00	0.08	0.14	0.11
CH-SWN2-SWN3	10Y1D	12.68	-0.68	0.15	0.48	0.51	0.49
CH-SWN3-SWN4	10Y1D	14.72	0.00	-0.12	0.62	0.74	0.68
CH-SWN4-TC OUTFALL	10Y1D	20.03	0.00	1.45	0.88	0.89	0.88
CH-TC COM-SWN2	10Y1D	11.47	-3.15	-0.11	0.42	0.44	0.43
CH-WETLAND 1-ENT DMY 1	10Y1D	0.21	0.00	0.00	0.14	0.52	0.32
CH-WETLAND 2- ENT DMY 2	10Y1D	0.09	-0.05	0.00	0.05	-0.08	-0.05
CS1-DRD-N3	10Y1D	7.47	-0.10	0.01	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS1-DRD-N4	10Y1D	13.07	-0.17	0.01	0.00	0.00	0.00
CS1-DRD-TC COM	10Y1D	6.79	-0.09	0.01	0.00	0.00	0.00
CS1-DRD-TC OUTFALL	10Y1D	3.26	-0.04	0.00	0.00	0.00	0.00
CS1-DS1-DRD	10Y1D	9.89	-0.13	0.01	0.00	0.00	0.00
CS2-DRD-TC COM	10Y1D	6.79	-0.09	0.01	0.00	0.00	0.00
CS2-DRD-TC OUTFALL	10Y1D	5.05	-0.07	0.00	0.00	0.00	0.00
CS2-DS1-DRD	10Y1D	8.33	-0.11	0.01	0.00	0.00	0.00
CS3-DRD-TC COM	10Y1D	4.48	-0.06	0.00	0.00	0.00	0.00
CS3-DRD-TC OUTFALL	10Y1D	9.89	-0.13	0.01	0.00	0.00	0.00
DS-BASIN 10-PR1A - Pipe	10Y1D	2.07	0.00	0.00	0.00	0.00	0.00
DS-BASIN 10-PR1A - Weir: 1	10Y1D	1.13	0.00	0.00	6.60	6.60	6.60
DS-BASIN 10-PR1A - Weir: 2	10Y1D	0.96	0.00	0.00	4.82	4.82	4.82
DS-BASIN 10-PR1A - Weir: 3	10Y1D	0.00	0.00	0.00	0.00	0.00	0.00
DS-BASIN 11-PR3 - Pipe	10Y1D	4.88	0.00	0.00	0.00	0.00	0.00
DS-BASIN 11-PR3 - Weir: 1	10Y1D	4.88	0.00	0.00	3.62	3.62	3.62
DS-BASIN 11-PR3 - Weir: 2	10Y1D	0.00	0.00	0.00	0.00	0.00	0.00
DS-BASIN 14-PR4 - Pipe	10Y1D	6.96	0.00	0.00	0.00	0.00	0.00
DS-BASIN 14-PR4 - Weir: 1	10Y1D	6.96	0.00	0.00	5.17	5.17	5.17
DS-BASIN 14-PR4 - Weir: 2	10Y1D	0.00	0.00	0.00	0.00	0.00	0.00
DS-BASIN 8-PR1A - Pipe	10Y1D	4.41	0.00	0.00	0.00	0.00	0.00
DS-BASIN 8-PR1A -	10Y1D	4.41	0.00	0.00	5.46	5.46	5.46

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Weir: 1							
DS-BASIN 8-PR1A - Weir: 2	10Y1D	0.00	0.00	0.00	0.00	0.00	0.00
DS-BASIN 9-PR2+3 - Pipe	10Y1D	7.50	0.00	0.00	0.00	0.00	0.00
DS-BASIN 9-PR2+3 - Weir: 1	10Y1D	7.50	0.00	0.00	5.57	5.57	5.57
DS-BASIN 9-PR2+3 - Weir: 2	10Y1D	0.00	0.00	0.00	0.00	0.00	0.00
DS-BASIN C1-BASIN 2 - Pipe	10Y1D	3.00	0.00	-0.10	0.00	0.00	0.00
DS-BASIN C1-BASIN 2 - Weir: 1	10Y1D	3.00	0.00	-0.20	4.87	4.87	4.87
DS-DMY2-EB TW - Pipe	10Y1D	4.06	-14.89	0.24	0.00	0.00	0.00
DS-DMY2-EB TW - Weir: 1	10Y1D	4.09	-14.89	0.53	-0.21	-0.21	-0.21
DS-DP DMY 1-TC COMMERCIAL - Pipe	10Y1D	0.31	-1.15	-0.05	0.00	0.00	0.00
DS-DP DMY 1-TC COMMERCIAL - Weir: 1	10Y1D	0.33	-1.15	-0.11	-0.02	-0.02	-0.02
DS-PR1A-SW ALE N2 - Pipe	10Y1D	7.03	-0.89	-0.09	0.00	0.00	0.00
DS-PR1A-SW ALE N2 - Weir: 1	10Y1D	7.03	-0.89	-0.16	0.00	0.00	0.00
DS-PR1A-SW ALE N3 - Pipe	10Y1D	3.81	-0.26	0.10	0.00	0.00	0.00
DS-PR1A-SW ALE N3 - Weir: 1	10Y1D	3.81	-0.26	0.18	0.00	0.00	0.00
DS-PR1B-PR2 +3 - Pipe	10Y1D	0.00	0.00	0.00	0.00	0.00	0.00
DS-PR1B-PR2 +3 - Weir: 1	10Y1D	0.00	0.00	0.00	0.00	0.00	0.00
DS-PR1B-SW ALE N4 - Pipe	10Y1D	3.60	-0.36	0.15	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DS-PR1B-SWALE N4 - Weir: 1	10Y1D	3.60	-0.36	0.24	0.01	0.01	0.01
DS1-PR1B-AIRPORT BASIN 11 - Pipe	10Y1D	8.65	-0.61	0.08	0.00	0.00	0.00
DS1-PR1B-AIRPORT BASIN 11 - Weir: 1	10Y1D	8.65	-0.63	0.12	0.13	0.13	0.13
DS1-PR1B-TIMBER CREEK OUTFALL - Pipe	10Y1D	3.42	-0.04	0.28	0.00	0.00	0.00
DS1-PR1B-TIMBER CREEK OUTFALL - Weir: 1	10Y1D	3.42	-0.05	0.30	0.01	0.01	0.01
DS2-PR1B-AIRPORT BASIN 11 - Pipe	10Y1D	8.97	-0.64	0.08	0.00	0.00	0.00
DS2-PR1B-AIRPORT BASIN 11 - Weir: 1	10Y1D	8.97	-0.65	0.12	0.14	0.14	0.14
DS2-PR1B-TIMBER CREEK OUTFALL - Pipe	10Y1D	6.60	-0.07	0.39	0.00	0.00	0.00
DS2-PR1B-TIMBER CREEK OUTFALL - Weir: 1	10Y1D	6.61	-0.09	0.40	0.01	0.01	0.01
DS3-PR1B-AIRPORT BASIN 11 - Pipe	10Y1D	9.04	-0.64	0.08	0.00	0.00	0.00
DS3-PR1B-AIRPORT BASIN 11 - Weir: 1	10Y1D	9.04	-0.66	0.12	0.14	0.14	0.14
DS4-PR1B-AIRPORT BASIN 11 - Pipe	10Y1D	9.09	-0.64	0.08	0.00	0.00	0.00
DS4-PR1B-AIRPORT BASIN 11 - Weir: 1	10Y1D	9.09	-0.66	0.12	0.14	0.14	0.14
OW-BASIN15-PR2+3	10Y1D	23.33	-10.81	-0.01	1.29	1.29	1.29
OW-PR2+3-PR3	10Y1D	148.25	-38.98	-0.09	1.04	1.04	1.04

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
OW-PR3-PR4	10Y1D	138.12	-73.56	-0.17	1.65	1.65	1.65
OW-PR4-PR5 +6+7	10Y1D	147.64	-218.41	-0.11	-1.79	-1.79	-1.79
OW-PR5+6+7 -EB TW DMY	10Y1D	363.65	-1566.52	1.31	-1.64	-1.64	-1.64
OW-PR5-PR4	10Y1D	11.88	-90.46	-0.03	-1.84	-1.84	-1.84
OW-PR5-PR5 +6+7	10Y1D	64.81	-122.71	-0.10	-2.09	-2.09	-2.09
P-BASIN 1-BASIN 3	10Y1D	4.15	0.00	-0.02	0.85	0.85	0.85
P-BASIN 11-BASIN 9	10Y1D	1.20	-7.18	-0.03	-1.02	-1.02	-1.02
P-BASIN 12-BASIN 11	10Y1D	1.87	-17.44	-0.06	-2.47	-2.47	-2.47
P-BASIN 13-BASIN 7	10Y1D	10.78	-1.62	0.04	1.52	1.52	1.52
P-BASIN 14-BASIN 13	10Y1D	11.81	-3.23	0.12	1.67	1.67	1.67
P-BASIN 2-BASIN 3	10Y1D	2.95	-0.74	-0.05	0.42	0.42	0.42
P-BASIN 3-BASIN 4	10Y1D	1.78	-8.68	0.07	-1.23	-1.23	-1.23
P-BASIN 3-BASIN 5	10Y1D	4.62	0.00	-0.01	0.65	0.65	0.65
P-BASIN 3-BASIN 6	10Y1D	2.73	-3.36	0.02	-0.47	-0.47	-0.47
P-BASIN 4-BASIN 7	10Y1D	6.41	-1.86	-0.04	0.91	0.91	0.91
P-BASIN 5-BASIN 8	10Y1D	5.24	-0.02	-0.01	0.74	0.74	0.74
P-BASIN 6-BASIN 8	10Y1D	6.97	0.00	-0.02	0.99	0.99	0.99
P-BASIN 7-BASIN 8	10Y1D	9.35	-0.40	0.05	1.32	1.32	1.32
P-BASIN 7-BASIN 9	10Y1D	6.61	-4.81	0.05	0.94	0.94	0.94
P-BASIN 8-BASIN 9	10Y1D	5.69	-9.97	0.07	-1.41	-1.41	-1.41
P-EB OUTFALL-EB TW	10Y1D	40.92	-55.75	2.85	-2.20	-2.20	-2.20
P-ENT DMY 1- ENT DMY 2	10Y1D	8.90	0.00	-0.21	1.26	1.26	1.26
P-PR1A-PR1B	10Y1D	11.95	-1.53	0.14	1.27	1.27	1.27
P-PR2-PR2+3	10Y1D	36.86	-8.28	-0.43	2.93	2.93	2.93
P-PR5-DMY1	10Y1D	6.83	-11.34	-0.14	-3.61	-3.61	-3.61
P1-PR5+6+7-	10Y1D	11.22	-17.50	0.83	-2.99	-3.49	-3.24

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
EB TW DMY							
P2-PR5+6+7-EB TW DMY	10Y1D	7.38	-11.79	0.82	-2.31	-3.44	-2.84
P3-DS-PR5+6+7-EB TW DMY	10Y1D	4.87	-5.97	0.22	-3.38	-3.38	-3.38
P4-PR5+6+7-EB TW DMY	10Y1D	9.01	-11.05	0.42	-3.52	-3.52	-3.52
P5-PR5+6+7-EB TW DMY	10Y1D	9.01	-11.05	0.42	-3.52	-3.52	-3.52
CH-DMY1-DMY2	2.33Y1D	3.37	-0.01	0.09	0.36	0.28	0.32
CH-PR1A-DP DMY 1	2.33Y1D	0.12	0.00	0.00	0.06	0.00	0.03
CH-SWN2-SWN3	2.33Y1D	10.22	-1.57	0.17	0.42	0.45	0.44
CH-SWN3-SWN4	2.33Y1D	12.73	0.00	-0.11	0.57	0.66	0.61
CH-SWN4-TC OUTFALL	2.33Y1D	21.57	0.00	0.78	0.95	0.96	0.96
CH-TC COM-SWN2	2.33Y1D	6.46	-4.26	-0.10	0.26	0.27	0.27
CH-WETLAND 1-ENT DMY 1	2.33Y1D	0.09	-0.01	0.00	0.09	0.31	0.20
CH-WETLAND 2- ENT DMY 2	2.33Y1D	0.03	-0.03	0.00	-0.03	-0.08	-0.05
CS1-DRD-N3	2.33Y1D	7.47	-0.10	0.00	0.00	0.00	0.00
CS1-DRD-N4	2.33Y1D	13.07	-0.17	0.01	0.00	0.00	0.00
CS1-DRD-TC COM	2.33Y1D	6.80	-0.09	0.00	0.00	0.00	0.00
CS1-DRD-TC OUTFALL	2.33Y1D	3.26	-0.04	0.00	0.00	0.00	0.00
CS1-DS1-DRD	2.33Y1D	9.89	-0.13	0.01	0.00	0.00	0.00
CS2-DRD-TC COM	2.33Y1D	6.80	-0.09	0.00	0.00	0.00	0.00
CS2-DRD-TC OUTFALL	2.33Y1D	5.05	-0.07	0.00	0.00	0.00	0.00
CS2-DS1-DRD	2.33Y1D	8.33	-0.11	0.00	0.00	0.00	0.00
CS3-DRD-TC COM	2.33Y1D	4.48	-0.06	0.00	0.00	0.00	0.00
CS3-DRD-TC OUTFALL	2.33Y1D	9.89	-0.13	0.01	0.00	0.00	0.00
DS-BASIN 10-PR1A - Pipe	2.33Y1D	1.74	0.00	0.00	0.00	0.00	0.00
DS-BASIN	2.33Y1D	1.03	0.00	0.00	5.97	5.97	5.97

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
10-PR1A - Weir: 1							
DS-BASIN 10-PR1A - Weir: 2	2.33Y1D	0.71	0.00	0.00	3.58	3.58	3.58
DS-BASIN 10-PR1A - Weir: 3	2.33Y1D	0.00	0.00	0.00	0.00	0.00	0.00
DS-BASIN 11-PR3 - Pipe	2.33Y1D	2.05	0.00	0.00	0.00	0.00	0.00
DS-BASIN 11-PR3 - Weir: 1	2.33Y1D	2.05	0.00	0.00	1.98	1.98	1.98
DS-BASIN 11-PR3 - Weir: 2	2.33Y1D	0.00	0.00	0.00	0.00	0.00	0.00
DS-BASIN 14-PR4 - Pipe	2.33Y1D	4.66	0.00	0.00	0.00	0.00	0.00
DS-BASIN 14-PR4 - Weir: 1	2.33Y1D	4.66	0.00	0.00	3.46	3.46	3.46
DS-BASIN 14-PR4 - Weir: 2	2.33Y1D	0.00	0.00	0.00	0.00	0.00	0.00
DS-BASIN 8-PR1A - Pipe	2.33Y1D	3.75	0.00	0.00	0.00	0.00	0.00
DS-BASIN 8-PR1A - Weir: 1	2.33Y1D	3.75	0.00	0.00	4.65	4.65	4.65
DS-BASIN 8-PR1A - Weir: 2	2.33Y1D	0.00	0.00	0.00	0.00	0.00	0.00
DS-BASIN 9-PR2+3 - Pipe	2.33Y1D	5.85	0.00	0.00	0.00	0.00	0.00
DS-BASIN 9-PR2+3 - Weir: 1	2.33Y1D	5.85	0.00	0.00	4.34	4.34	4.34
DS-BASIN 9-PR2+3 - Weir: 2	2.33Y1D	0.00	0.00	0.00	0.00	0.00	0.00
DS-BASIN C1-BASIN 2 - Pipe	2.33Y1D	2.81	0.00	-0.10	0.00	0.00	0.00
DS-BASIN C1-BASIN 2 - Weir: 1	2.33Y1D	2.81	0.00	-0.20	4.56	4.56	4.56

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DS-DMY2-EB TW - Pipe	2.33Y1D	0.00	0.00	0.00	0.00	0.00	0.00
DS-DMY2-EB TW - Weir: 1	2.33Y1D	0.00	0.00	0.00	0.00	0.00	0.00
DS-DP DMY 1-TC COMMERCIAL - Pipe	2.33Y1D	0.12	-0.05	-0.02	0.00	0.00	0.00
DS-DP DMY 1-TC COMMERCIAL - Weir: 1	2.33Y1D	0.13	-0.05	-0.05	0.00	0.00	0.00
DS-PR1A-SW ALE N2 - Pipe	2.33Y1D	7.01	0.00	-0.08	0.00	0.00	0.00
DS-PR1A-SW ALE N2 - Weir: 1	2.33Y1D	7.01	0.00	-0.11	0.01	0.01	0.01
DS-PR1A-SW ALE N3 - Pipe	2.33Y1D	3.75	0.00	0.19	0.00	0.00	0.00
DS-PR1A-SW ALE N3 - Weir: 1	2.33Y1D	3.75	0.00	0.35	0.00	0.00	0.00
DS-PR1B-PR2 +3 - Pipe	2.33Y1D	0.00	0.00	0.00	0.00	0.00	0.00
DS-PR1B-PR2 +3 - Weir: 1	2.33Y1D	0.00	0.00	0.00	0.00	0.00	0.00
DS-PR1B-SW ALE N4 - Pipe	2.33Y1D	3.60	0.00	0.14	0.00	0.00	0.00
DS-PR1B-SW ALE N4 - Weir: 1	2.33Y1D	3.60	0.00	0.22	0.01	0.01	0.01
DS1-PR1B-AI RPORT BASIN 11 - Pipe	2.33Y1D	8.36	0.00	0.09	0.00	0.00	0.00
DS1-PR1B-AI RPORT BASIN 11 - Weir: 1	2.33Y1D	8.36	0.00	0.13	0.15	0.15	0.15
DS1-PR1B-TI MBER CREEK OUTFALL - Pipe	2.33Y1D	3.58	0.00	0.28	0.00	0.00	0.00
DS1-PR1B-TI MBER CREEK OUTFALL - Weir: 1	2.33Y1D	3.59	0.00	0.30	0.01	0.01	0.01
DS2-PR1B-AI RPORT BASIN	2.33Y1D	8.77	0.00	0.09	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
11 - Pipe							
DS2-PR1B-AIRPORT BASIN 11 - Weir: 1	2.33Y1D	8.77	0.00	0.13	0.16	0.16	0.16
DS2-PR1B-TIMBER CREEK OUTFALL - Pipe	2.33Y1D	6.95	0.00	0.37	0.00	0.00	0.00
DS2-PR1B-TIMBER CREEK OUTFALL - Weir: 1	2.33Y1D	6.96	0.00	0.39	0.01	0.01	0.01
DS3-PR1B-AIRPORT BASIN 11 - Pipe	2.33Y1D	8.86	0.00	0.09	0.00	0.00	0.00
DS3-PR1B-AIRPORT BASIN 11 - Weir: 1	2.33Y1D	8.86	0.00	0.13	0.16	0.16	0.16
DS4-PR1B-AIRPORT BASIN 11 - Pipe	2.33Y1D	8.91	0.00	0.09	0.00	0.00	0.00
DS4-PR1B-AIRPORT BASIN 11 - Weir: 1	2.33Y1D	8.92	0.00	0.13	0.16	0.16	0.16
OW-BASIN15-PR2+3	2.33Y1D	16.60	0.00	0.01	1.17	1.17	1.17
OW-PR2+3-PR3	2.33Y1D	100.38	0.00	-0.02	0.95	0.95	0.95
OW-PR3-PR4	2.33Y1D	92.26	0.00	0.03	1.49	1.49	1.49
OW-PR4-PR5+6+7	2.33Y1D	54.07	-11.70	-0.05	1.15	1.15	1.15
OW-PR5+6+7-EB TW DMY	2.33Y1D	181.83	-289.44	0.21	-1.13	-1.13	-1.13
OW-PR5-PR4	2.33Y1D	0.57	-40.60	-0.01	-1.39	-1.39	-1.39
OW-PR5-PR5+6+7	2.33Y1D	41.31	-41.38	-0.10	-1.43	-1.43	-1.43
P-BASIN 1-BASIN 3	2.33Y1D	3.11	0.00	-0.03	0.63	0.63	0.63
P-BASIN 11-BASIN 9	2.33Y1D	1.19	-5.40	-0.04	-0.76	-0.76	-0.76
P-BASIN 12-BASIN 11	2.33Y1D	1.19	-13.67	0.06	-1.93	-1.93	-1.93
P-BASIN 13-BASIN 7	2.33Y1D	8.91	-0.13	0.04	1.26	1.26	1.26
P-BASIN 14-BASIN 13	2.33Y1D	9.60	-1.05	-0.04	1.36	1.36	1.36
P-BASIN	2.33Y1D	2.83	-0.02	-0.06	0.40	0.40	0.40

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
2-BASIN 3							
P-BASIN 3-BASIN 4	2.33Y1D	1.19	-6.47	0.03	-0.91	-0.91	-0.91
P-BASIN 3-BASIN 5	2.33Y1D	3.52	0.00	-0.02	0.50	0.50	0.50
P-BASIN 3-BASIN 6	2.33Y1D	2.09	-2.08	0.02	0.30	0.30	0.30
P-BASIN 4-BASIN 7	2.33Y1D	4.48	-1.42	-0.04	0.63	0.63	0.63
P-BASIN 5-BASIN 8	2.33Y1D	3.96	-0.02	-0.01	0.56	0.56	0.56
P-BASIN 6-BASIN 8	2.33Y1D	5.13	0.00	-0.02	0.73	0.73	0.73
P-BASIN 7-BASIN 8	2.33Y1D	7.29	0.00	0.05	1.03	1.03	1.03
P-BASIN 7-BASIN 9	2.33Y1D	5.17	-3.48	0.04	0.73	0.73	0.73
P-BASIN 8-BASIN 9	2.33Y1D	3.99	-7.63	0.06	-1.08	-1.08	-1.08
P-EB OUTFALL-EB TW	2.33Y1D	36.68	-49.92	-2.83	-1.97	-1.97	-1.97
P-ENT DMY 1- ENT DMY 2	2.33Y1D	8.90	0.00	-0.21	1.26	1.26	1.26
P-PR1A-PR1B	2.33Y1D	9.60	-1.29	-0.16	1.02	1.02	1.02
P-PR2-PR2+3	2.33Y1D	36.86	0.00	-0.43	2.93	2.93	2.93
P-PR5-DMY1	2.33Y1D	6.83	-0.02	-0.11	2.18	2.84	2.51
P1-PR5+6+7-EB TW DMY	2.33Y1D	10.32	-15.05	-0.56	-2.83	-3.28	-3.05
P2-PR5+6+7-EB TW DMY	2.33Y1D	6.94	-8.94	-0.44	-2.12	-3.22	-2.66
P3-DS-PR5+6+7-EB TW DMY	2.33Y1D	4.30	-5.59	-0.19	-3.16	-3.16	-3.16
P4-PR5+6+7-EB TW DMY	2.33Y1D	7.96	-10.35	-0.34	-3.29	-3.29	-3.29
P5-PR5+6+7-EB TW DMY	2.33Y1D	7.96	-10.35	-0.34	-3.29	-3.29	-3.29
CH-DMY1-DMY2	25Y3D	7.01	-2.16	-0.43	0.40	0.33	0.36
CH-PR1A-DP DMY 1	25Y3D	0.76	-0.67	0.01	-0.13	-0.29	-0.20
CH-SWN2-SWN3	25Y3D	17.45	-7.06	0.24	0.53	0.56	0.55
CH-SWN3-SWN4	25Y3D	20.81	-6.62	0.24	0.67	0.78	0.72
CH-SWN4-TC	25Y3D	32.88	-7.55	1.44	1.29	1.32	1.31

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
OUTFALL							
CH-TC COM-SWN2	25Y3D	19.80	-8.98	-0.16	0.58	0.62	0.60
CH-WETLAND 1-ENT DMY 1	25Y3D	0.45	0.00	-0.01	0.18	0.30	0.23
CH-WETLAND 2- ENT DMY 2	25Y3D	0.18	-0.05	0.00	0.06	0.06	0.06
CS1-DRD-N3	25Y3D	7.47	-0.10	0.00	0.00	0.00	0.00
CS1-DRD-N4	25Y3D	13.07	-0.17	0.00	0.00	0.00	0.00
CS1-DRD-TC COM	25Y3D	6.80	-0.09	0.00	0.00	0.00	0.00
CS1-DRD-TC OUTFALL	25Y3D	3.26	-0.04	0.00	0.00	0.00	0.00
CS1-DS1-DRD	25Y3D	9.89	-0.13	0.00	0.00	0.00	0.00
CS2-DRD-TC COM	25Y3D	6.80	-0.09	0.00	0.00	0.00	0.00
CS2-DRD-TC OUTFALL	25Y3D	5.05	-0.07	0.00	0.00	0.00	0.00
CS2-DS1-DRD	25Y3D	8.33	-0.11	0.00	0.00	0.00	0.00
CS3-DRD-TC COM	25Y3D	4.48	-0.06	0.00	0.00	0.00	0.00
CS3-DRD-TC OUTFALL	25Y3D	9.89	-0.13	0.00	0.00	0.00	0.00
DS-BASIN 10-PR1A - Pipe	25Y3D	2.30	0.00	0.00	0.00	0.00	0.00
DS-BASIN 10-PR1A - Weir: 1	25Y3D	1.21	0.00	0.00	7.05	7.05	7.05
DS-BASIN 10-PR1A - Weir: 2	25Y3D	1.14	0.00	0.00	5.73	5.73	5.73
DS-BASIN 10-PR1A - Weir: 3	25Y3D	0.00	0.00	0.00	0.00	0.00	0.00
DS-BASIN 11-PR3 - Pipe	25Y3D	7.28	0.00	0.00	0.00	0.00	0.00
DS-BASIN 11-PR3 - Weir: 1	25Y3D	7.28	0.00	0.00	5.41	5.41	5.41
DS-BASIN 11-PR3 - Weir: 2	25Y3D	0.00	0.00	0.00	0.00	0.00	0.00
DS-BASIN 14-PR4 - Pipe	25Y3D	8.00	0.00	0.00	0.00	0.00	0.00
DS-BASIN	25Y3D	8.00	0.00	0.00	5.94	5.94	5.94

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
14-PR4 - Weir: 1							
DS-BASIN 14-PR4 - Weir: 2	25Y3D	0.00	0.00	0.00	0.00	0.00	0.00
DS-BASIN 8-PR1A - Pipe	25Y3D	5.25	0.00	0.00	0.00	0.00	0.00
DS-BASIN 8-PR1A - Weir: 1	25Y3D	5.25	0.00	0.00	6.51	6.51	6.51
DS-BASIN 8-PR1A - Weir: 2	25Y3D	0.00	0.00	0.00	0.00	0.00	0.00
DS-BASIN 9-PR2+3 - Pipe	25Y3D	9.11	0.00	0.00	0.00	0.00	0.00
DS-BASIN 9-PR2+3 - Weir: 1	25Y3D	9.11	0.00	0.00	6.77	6.77	6.77
DS-BASIN 9-PR2+3 - Weir: 2	25Y3D	0.00	0.00	0.00	0.00	0.00	0.00
DS-BASIN C1-BASIN 2 - Pipe	25Y3D	2.73	0.00	-0.10	0.00	0.00	0.00
DS-BASIN C1-BASIN 2 - Weir: 1	25Y3D	2.73	0.00	-0.20	4.42	4.42	4.42
DS-DMY2-EB TW - Pipe	25Y3D	7.00	-2.46	-0.50	0.00	0.00	0.00
DS-DMY2-EB TW - Weir: 1	25Y3D	7.04	-2.79	-1.07	0.09	0.09	0.09
DS-DP DMY 1-TC COMMERCIAL - Pipe	25Y3D	0.74	-1.79	0.03	0.00	0.00	0.00
DS-DP DMY 1-TC COMMERCIAL - Weir: 1	25Y3D	0.75	-1.79	0.07	-0.01	-0.01	-0.01
DS-PR1A-SW ALE N2 - Pipe	25Y3D	4.73	-4.74	-0.05	0.00	0.00	0.00
DS-PR1A-SW ALE N2 - Weir: 1	25Y3D	4.73	-4.74	-0.06	0.00	0.00	0.00
DS-PR1A-SW ALE N3 - Pipe	25Y3D	3.36	-1.75	0.03	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DS-PR1A-SWALE N3 - Weir: 1	25Y3D	3.36	-1.75	0.04	0.00	0.00	0.00
DS-PR1B-PR2+3 - Pipe	25Y3D	3.46	0.00	-0.01	0.00	0.00	0.00
DS-PR1B-PR2+3 - Weir: 1	25Y3D	3.46	0.00	-0.01	1.08	1.08	1.08
DS-PR1B-SWALE N4 - Pipe	25Y3D	3.50	-0.57	-0.04	0.00	0.00	0.00
DS-PR1B-SWALE N4 - Weir: 1	25Y3D	3.50	-0.58	-0.06	0.00	0.00	0.00
DS1-PR1B-AIRPORT BASIN 11 - Pipe	25Y3D	3.35	-1.85	0.07	0.00	0.00	0.00
DS1-PR1B-AIRPORT BASIN 11 - Weir: 1	25Y3D	3.35	-1.85	0.10	0.04	0.04	0.04
DS1-PR1B-TIMBER CREEK OUTFALL - Pipe	25Y3D	3.40	-0.70	0.06	0.00	0.00	0.00
DS1-PR1B-TIMBER CREEK OUTFALL - Weir: 1	25Y3D	3.40	-0.70	0.08	0.00	0.00	0.00
DS2-PR1B-AIRPORT BASIN 11 - Pipe	25Y3D	3.44	-1.95	0.08	0.00	0.00	0.00
DS2-PR1B-AIRPORT BASIN 11 - Weir: 1	25Y3D	3.44	-1.95	0.10	0.04	0.04	0.04
DS2-PR1B-TIMBER CREEK OUTFALL - Pipe	25Y3D	6.56	-1.33	-0.11	0.00	0.00	0.00
DS2-PR1B-TIMBER CREEK OUTFALL - Weir: 1	25Y3D	6.56	-1.34	-0.14	0.01	0.01	0.01
DS3-PR1B-AIRPORT BASIN 11 - Pipe	25Y3D	3.45	-1.97	0.08	0.00	0.00	0.00
DS3-PR1B-AIRPORT BASIN 11 - Weir: 1	25Y3D	3.45	-1.97	0.10	0.04	0.04	0.04
DS4-PR1B-AI	25Y3D	3.47	-1.99	0.08	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
RPORT BASIN 11 - Pipe							
DS4-PR1B-AI RPORT BASIN 11 - Weir: 1	25Y3D	3.47	-1.99	0.10	0.04	0.04	0.04
OW-BASIN15-PR2+3	25Y3D	28.69	-5.96	0.01	1.34	1.34	1.34
OW-PR2+3-PR3	25Y3D	111.80	-31.33	0.01	0.84	0.84	0.84
OW-PR3-PR4	25Y3D	166.05	-51.82	0.02	1.62	1.62	1.62
OW-PR4-PR5+6+7	25Y3D	174.43	-72.25	0.02	1.66	1.66	1.66
OW-PR5+6+7-EB TW DMY	25Y3D	330.94	-142.19	0.50	1.07	1.07	1.07
OW-PR5-PR4	25Y3D	2.82	-63.51	0.01	-1.39	-1.39	-1.39
OW-PR5-PR5+6+7	25Y3D	99.01	-28.22	0.01	1.94	1.94	1.94
P-BASIN 1-BASIN 3	25Y3D	4.40	0.00	0.02	0.90	0.90	0.90
P-BASIN 11-BASIN 9	25Y3D	1.19	-5.07	-0.03	-0.72	-0.72	-0.72
P-BASIN 12-BASIN 11	25Y3D	2.36	-18.75	0.06	-2.65	-2.65	-2.65
P-BASIN 13-BASIN 7	25Y3D	8.78	-2.46	0.04	1.24	1.24	1.24
P-BASIN 14-BASIN 13	25Y3D	7.49	-5.37	-0.03	1.06	1.06	1.06
P-BASIN 2-BASIN 3	25Y3D	3.27	-2.52	-0.06	0.46	0.46	0.46
P-BASIN 3-BASIN 4	25Y3D	2.69	-10.23	0.03	-1.45	-1.45	-1.45
P-BASIN 3-BASIN 5	25Y3D	4.67	0.00	0.02	0.66	0.66	0.66
P-BASIN 3-BASIN 6	25Y3D	2.66	-4.45	0.06	-0.63	-0.63	-0.63
P-BASIN 4-BASIN 7	25Y3D	8.08	-0.75	-0.04	1.14	1.14	1.14
P-BASIN 5-BASIN 8	25Y3D	5.94	-0.02	-0.02	0.84	0.84	0.84
P-BASIN 6-BASIN 8	25Y3D	8.40	0.00	-0.01	1.19	1.19	1.19
P-BASIN 7-BASIN 8	25Y3D	9.84	-1.00	0.04	1.39	1.39	1.39
P-BASIN 7-BASIN 9	25Y3D	6.28	-5.04	0.05	0.89	0.89	0.89
P-BASIN 8-BASIN 9	25Y3D	5.90	-10.92	0.08	-1.54	-1.54	-1.54

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-EB OUTFALL-EB TW	25Y3D	14.64	-6.46	3.76	0.58	0.58	0.58
P-ENT DMY 1- ENT DMY 2	25Y3D	8.90	0.00	-0.21	1.26	1.26	1.26
P-PR1A-PR1B	25Y3D	13.32	0.00	-0.12	1.41	1.41	1.41
P-PR2-PR2+3	25Y3D	36.86	-7.41	-0.40	2.93	2.93	2.93
P-PR5-DMY1	25Y3D	6.97	-1.83	-0.16	2.22	2.84	2.51
P1-PR5+6+7-EB TW DMY	25Y3D	4.52	-1.87	-0.67	0.75	0.79	0.77
P2-PR5+6+7-EB TW DMY	25Y3D	3.79	-1.02	-0.73	0.83	0.82	0.82
P3-DS-PR5+6+7-EB TW DMY	25Y3D	1.34	-0.69	-0.21	0.76	0.76	0.76
P4-PR5+6+7-EB TW DMY	25Y3D	2.47	-1.28	-0.39	0.79	0.79	0.79
P5-PR5+6+7-EB TW DMY	25Y3D	2.47	-1.28	-0.39	0.79	0.79	0.79

APPENDIX K-PROPOSED CONDITIONS MANUAL BASIN MAX

Manual Basin Runoff Summary [Icpr3]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
BASIN 1	100Y3D	43.36	60.0500	13.90	12.97	6.6300	92.3	0.00	0.00
BASIN 10	100Y3D	261.07	60.0500	13.90	13.06	39.8600	93.0	0.00	0.00
BASIN 11	100Y3D	207.56	60.0500	13.90	12.92	31.7600	91.9	0.00	0.00
BASIN 12	100Y3D	185.41	60.0500	13.90	12.61	28.5400	89.5	0.00	0.00
BASIN 13	100Y3D	402.13	60.0500	13.90	13.04	61.4200	92.8	0.00	0.00
BASIN 14	100Y3D	380.66	60.0500	13.90	13.08	58.1100	93.1	0.00	0.00
BASIN 15	100Y3D	61.25	60.2250	13.90	12.96	11.7300	92.2	0.00	0.00
BASIN 2	100Y3D	55.68	60.0500	13.90	12.86	8.5300	91.4	0.00	0.00
BASIN 3	100Y3D	244.08	60.0500	13.90	12.86	37.3900	91.4	0.00	0.00
BASIN 4	100Y3D	136.53	60.0500	13.90	12.99	20.8700	92.4	0.00	0.00
BASIN 5	100Y3D	146.64	60.0500	13.90	12.90	22.4500	91.7	0.00	0.00
BASIN 6	100Y3D	124.08	60.0500	13.90	12.94	18.9800	92.1	0.00	0.00
BASIN 7	100Y3D	340.03	60.0500	13.90	12.89	52.0600	91.7	0.00	0.00
BASIN 8	100Y3D	447.72	60.0500	13.90	12.83	68.6200	91.2	0.00	0.00
BASIN 9	100Y3D	296.12	60.0500	13.90	12.97	45.2800	92.3	0.00	0.00
BASIN C1	100Y3D	321.59	60.0500	13.90	13.27	48.9700	94.7	0.00	0.00
PRESERVE 1A	100Y3D	178.81	61.0500	13.90	13.84	64.7900	99.3	0.00	0.00
PRESERVE 1B	100Y3D	414.10	61.6667	13.90	13.81	196.9700	99.0	0.00	0.00
PRESERVE 2	100Y3D	77.62	60.4333	13.90	13.56	18.3300	97.0	0.00	0.00
PRESERVE 2+3	100Y3D	214.87	60.9250	13.90	13.44	72.7900	96.1	0.00	0.00
PRESERVE 3	100Y3D	191.82	60.8611	13.90	13.66	62.4900	97.8	0.00	0.00
PRESERVE 4	100Y3D	151.50	61.4611	13.90	13.66	66.5500	97.8	0.00	0.00
PRESERVE 5	100Y3D	159.24	61.5889	13.90	12.52	74.8900	88.8	0.00	0.00
PRESERVE 5+6+7	100Y3D	147.75	63.6222	13.90	13.66	115.0600	97.8	0.00	0.00
SWALE N2	100Y3D	5.65	60.0222	13.90	13.65	0.9200	98.0	0.00	0.00
SWALE N3	100Y3D	7.50	60.0222	13.90	13.65	1.2200	98.0	0.00	0.00
SWALE N4	100Y3D	0.31	60.0222	13.90	13.65	0.0500	98.0	0.00	0.00
TC COMMERCIAL	100Y3D	247.70	60.0917	13.90	13.43	39.7700	95.9	0.00	0.00
BASIN 1	10Y1D	26.35	12.1083	6.50	5.61	6.6300	92.3	0.00	0.00
BASIN 10	10Y1D	159.66	12.1083	6.50	5.69	39.8600	93.0	0.00	0.00
BASIN 11	10Y1D	125.62	12.1083	6.50	5.56	31.7600	91.9	0.00	0.00
BASIN 12	10Y1D	109.35	12.1111	6.50	5.29	28.5400	89.5	0.00	0.00
BASIN 13	10Y1D	245.52	12.1083	6.50	5.67	61.4200	92.8	0.00	0.00
BASIN 14	10Y1D	232.99	12.1083	6.50	5.70	58.1100	93.1	0.00	0.00
BASIN 15	10Y1D	35.95	12.3139	6.50	5.60	11.7300	92.2	0.00	0.00
BASIN 2	10Y1D	33.54	12.1083	6.50	5.51	8.5300	91.4	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
BASIN 3	10Y1D	147.00	12.1083	6.50	5.51	37.3900	91.4	0.00	0.00
BASIN 4	10Y1D	83.03	12.1083	6.50	5.62	20.8700	92.4	0.00	0.00
BASIN 5	10Y1D	88.56	12.1083	6.50	5.54	22.4500	91.7	0.00	0.00
BASIN 6	10Y1D	75.21	12.1083	6.50	5.58	18.9800	92.1	0.00	0.00
BASIN 7	10Y1D	205.26	12.1083	6.50	5.53	52.0600	91.7	0.00	0.00
BASIN 8	10Y1D	268.99	12.1111	6.50	5.48	68.6200	91.2	0.00	0.00
BASIN 9	10Y1D	179.83	12.1083	6.50	5.60	45.2800	92.3	0.00	0.00
BASIN C1	10Y1D	199.36	12.1083	6.50	5.88	48.9700	94.7	0.00	0.00
PRESERVE 1A	10Y1D	114.36	13.1333	6.50	6.43	64.7900	99.3	0.00	0.00
PRESERVE 1B	10Y1D	263.74	13.7472	6.50	6.39	196.9700	99.0	0.00	0.00
PRESERVE 2	10Y1D	48.34	12.5222	6.50	6.15	18.3300	97.0	0.00	0.00
PRESERVE 2+3	10Y1D	135.44	13.0139	6.50	6.04	72.7900	96.1	0.00	0.00
PRESERVE 3	10Y1D	122.12	12.9472	6.50	6.25	62.4900	97.8	0.00	0.00
PRESERVE 4	10Y1D	96.20	13.5472	6.50	6.25	66.5500	97.8	0.00	0.00
PRESERVE 5	10Y1D	92.04	13.7083	6.50	5.21	74.8900	88.8	0.00	0.00
PRESERVE 5+6+7	10Y1D	92.70	15.6806	6.50	6.25	115.0600	97.8	0.00	0.00
SWALE N2	10Y1D	3.57	12.0500	6.50	6.26	0.9200	98.0	0.00	0.00
SWALE N3	10Y1D	4.74	12.0500	6.50	6.26	1.2200	98.0	0.00	0.00
SWALE N4	10Y1D	0.19	12.0500	6.50	6.26	0.0500	98.0	0.00	0.00
TC COMMERCIAL	10Y1D	151.83	12.1583	6.50	6.03	39.7700	95.9	0.00	0.00
BASIN 1	2.33Y1D	17.52	12.1111	4.50	3.64	6.6300	92.3	0.00	0.00
BASIN 10	2.33Y1D	106.76	12.1111	4.50	3.72	39.8600	93.0	0.00	0.00
BASIN 11	2.33Y1D	83.24	12.1111	4.50	3.60	31.7600	91.9	0.00	0.00
BASIN 12	2.33Y1D	70.90	12.1139	4.50	3.36	28.5400	89.5	0.00	0.00
BASIN 13	2.33Y1D	163.92	12.1111	4.50	3.70	61.4200	92.8	0.00	0.00
BASIN 14	2.33Y1D	155.91	12.1111	4.50	3.73	58.1100	93.1	0.00	0.00
BASIN 15	2.33Y1D	23.83	12.3194	4.50	3.63	11.7300	92.2	0.00	0.00
BASIN 2	2.33Y1D	22.13	12.1111	4.50	3.55	8.5300	91.4	0.00	0.00
BASIN 3	2.33Y1D	96.98	12.1111	4.50	3.55	37.3900	91.4	0.00	0.00
BASIN 4	2.33Y1D	55.24	12.1111	4.50	3.65	20.8700	92.4	0.00	0.00
BASIN 5	2.33Y1D	58.57	12.1111	4.50	3.58	22.4500	91.7	0.00	0.00
BASIN 6	2.33Y1D	49.90	12.1111	4.50	3.62	18.9800	92.1	0.00	0.00
BASIN 7	2.33Y1D	135.70	12.1111	4.50	3.57	52.0600	91.7	0.00	0.00
BASIN 8	2.33Y1D	177.10	12.1111	4.50	3.53	68.6200	91.2	0.00	0.00
BASIN 9	2.33Y1D	119.50	12.1111	4.50	3.64	45.2800	92.3	0.00	0.00
BASIN C1	2.33Y1D	134.98	12.1083	4.50	3.90	48.9700	94.7	0.00	0.00
PRESERVE	2.33Y1D	79.12	13.1333	4.50	4.42	64.7900	99.3	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
1A									
PRESERVE 1B	2.33Y1D	182.32	13.7472	4.50	4.39	196.9700	99.0	0.00	0.00
PRESERVE 2	2.33Y1D	33.16	12.5222	4.50	4.16	18.3300	97.0	0.00	0.00
PRESERVE 2+3	2.33Y1D	92.31	13.0167	4.50	4.05	72.7900	96.1	0.00	0.00
PRESERVE 3	2.33Y1D	84.09	12.9500	4.50	4.25	62.4900	97.8	0.00	0.00
PRESERVE 4	2.33Y1D	66.21	13.5500	4.50	4.25	66.5500	97.8	0.00	0.00
PRESERVE 5	2.33Y1D	58.73	13.7306	4.50	3.28	74.8900	88.8	0.00	0.00
PRESERVE 5+6+7	2.33Y1D	63.68	15.6889	4.50	4.25	115.0600	97.8	0.00	0.00
SWALE N2	2.33Y1D	2.46	12.0500	4.50	4.26	0.9200	98.0	0.00	0.00
SWALE N3	2.33Y1D	3.27	12.0500	4.50	4.26	1.2200	98.0	0.00	0.00
SWALE N4	2.33Y1D	0.13	12.0500	4.50	4.26	0.0500	98.0	0.00	0.00
TC COMMERCIAL	2.33Y1D	103.62	12.1583	4.50	4.04	39.7700	95.9	0.00	0.00
BASIN 1	25Y3D	32.90	60.0500	10.60	9.68	6.6300	92.3	0.00	0.00
BASIN 10	25Y3D	198.25	60.0500	10.60	9.77	39.8600	93.0	0.00	0.00
BASIN 11	25Y3D	157.40	60.0500	10.60	9.63	31.7600	91.9	0.00	0.00
BASIN 12	25Y3D	140.12	60.0528	10.60	9.33	28.5400	89.5	0.00	0.00
BASIN 13	25Y3D	305.31	60.0500	10.60	9.75	61.4200	92.8	0.00	0.00
BASIN 14	25Y3D	289.10	60.0500	10.60	9.78	58.1100	93.1	0.00	0.00
BASIN 15	25Y3D	46.45	60.2250	10.60	9.67	11.7300	92.2	0.00	0.00
BASIN 2	25Y3D	42.20	60.0500	10.60	9.57	8.5300	91.4	0.00	0.00
BASIN 3	25Y3D	184.98	60.0500	10.60	9.57	37.3900	91.4	0.00	0.00
BASIN 4	25Y3D	103.60	60.0500	10.60	9.69	20.8700	92.4	0.00	0.00
BASIN 5	25Y3D	111.18	60.0500	10.60	9.61	22.4500	91.7	0.00	0.00
BASIN 6	25Y3D	94.11	60.0500	10.60	9.65	18.9800	92.1	0.00	0.00
BASIN 7	25Y3D	257.77	60.0500	10.60	9.60	52.0600	91.7	0.00	0.00
BASIN 8	25Y3D	339.20	60.0500	10.60	9.54	68.6200	91.2	0.00	0.00
BASIN 9	25Y3D	224.67	60.0500	10.60	9.67	45.2800	92.3	0.00	0.00
BASIN C1	25Y3D	244.63	60.0500	10.60	9.97	48.9700	94.7	0.00	0.00
PRESERVE 1A	25Y3D	136.35	61.0500	10.60	10.53	64.7900	99.3	0.00	0.00
PRESERVE 1B	25Y3D	315.75	61.6667	10.60	10.50	196.9700	99.0	0.00	0.00
PRESERVE 2	25Y3D	59.14	60.4333	10.60	10.26	18.3300	97.0	0.00	0.00
PRESERVE 2+3	25Y3D	163.60	60.9250	10.60	10.14	72.7900	96.1	0.00	0.00
PRESERVE 3	25Y3D	146.21	60.8611	10.60	10.36	62.4900	97.8	0.00	0.00

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
PRESERVE 4	25Y3D	115.47	61.4611	10.60	10.36	66.5500	97.8	0.00	0.00
PRESERVE 5	25Y3D	120.07	61.5917	10.60	9.25	74.8900	88.8	0.00	0.00
PRESERVE 5+6+7	25Y3D	112.61	63.6222	10.60	10.36	115.0600	97.8	0.00	0.00
SWALE N2	25Y3D	4.31	60.0222	10.60	10.36	0.9200	98.0	0.00	0.00
SWALE N3	25Y3D	5.72	60.0222	10.60	10.36	1.2200	98.0	0.00	0.00
SWALE N4	25Y3D	0.23	60.0222	10.60	10.36	0.0500	98.0	0.00	0.00
TC COMMERCIAL	25Y3D	188.61	60.0917	10.60	10.13	39.7700	95.9	0.00	0.00
BASIN 1	5Y1D	21.95	12.1111	5.50	4.62	6.6300	92.3	0.00	0.00
BASIN 10	5Y1D	133.30	12.1083	5.50	4.70	39.8600	93.0	0.00	0.00
BASIN 11	5Y1D	104.50	12.1111	5.50	4.58	31.7600	91.9	0.00	0.00
BASIN 12	5Y1D	90.18	12.1111	5.50	4.32	28.5400	89.5	0.00	0.00
BASIN 13	5Y1D	204.85	12.1083	5.50	4.68	61.4200	92.8	0.00	0.00
BASIN 14	5Y1D	194.58	12.1083	5.50	4.71	58.1100	93.1	0.00	0.00
BASIN 15	5Y1D	29.91	12.3167	5.50	4.61	11.7300	92.2	0.00	0.00
BASIN 2	5Y1D	27.85	12.1111	5.50	4.52	8.5300	91.4	0.00	0.00
BASIN 3	5Y1D	122.07	12.1111	5.50	4.52	37.3900	91.4	0.00	0.00
BASIN 4	5Y1D	69.18	12.1111	5.50	4.63	20.8700	92.4	0.00	0.00
BASIN 5	5Y1D	73.61	12.1111	5.50	4.55	22.4500	91.7	0.00	0.00
BASIN 6	5Y1D	62.59	12.1111	5.50	4.60	18.9800	92.1	0.00	0.00
BASIN 7	5Y1D	170.59	12.1111	5.50	4.55	52.0600	91.7	0.00	0.00
BASIN 8	5Y1D	223.20	12.1111	5.50	4.50	68.6200	91.2	0.00	0.00
BASIN 9	5Y1D	149.76	12.1111	5.50	4.62	45.2800	92.3	0.00	0.00
BASIN C1	5Y1D	167.26	12.1083	5.50	4.89	48.9700	94.7	0.00	0.00
PRESERVE 1A	5Y1D	96.74	13.1333	5.50	5.42	64.7900	99.3	0.00	0.00
PRESERVE 1B	5Y1D	223.04	13.7472	5.50	5.39	196.9700	99.0	0.00	0.00
PRESERVE 2	5Y1D	40.76	12.5222	5.50	5.15	18.3300	97.0	0.00	0.00
PRESERVE 2+3	5Y1D	113.93	13.0139	5.50	5.05	72.7900	96.1	0.00	0.00
PRESERVE 3	5Y1D	103.12	12.9472	5.50	5.25	62.4900	97.8	0.00	0.00
PRESERVE 4	5Y1D	81.22	13.5472	5.50	5.25	66.5500	97.8	0.00	0.00
PRESERVE 5	5Y1D	75.39	13.7167	5.50	4.24	74.8900	88.8	0.00	0.00
PRESERVE 5+6+7	5Y1D	78.21	15.6833	5.50	5.25	115.0600	97.8	0.00	0.00
SWALE N2	5Y1D	3.02	12.0500	5.50	5.26	0.9200	98.0	0.00	0.00
SWALE N3	5Y1D	4.00	12.0500	5.50	5.26	1.2200	98.0	0.00	0.00
SWALE N4	5Y1D	0.16	12.0500	5.50	5.26	0.0500	98.0	0.00	0.00

APPENDIX-L PROGRESSIVE WATER RESOURCES INTEGRATED MODEL ANALYSIS

INTEGRATED MODEL ANALYSIS
DANIELS SOUTH

Prepared for:
Lennar Homes, LLC
700 N.W. 107th Avenue Suite 400
Miami, FL 33172

Prepared by:
Progressive Water Resources,
a Division of RESPEC Company, LLC
6561 Palmer Park Circle, Suite D
Sarasota, FL 34238

Progressive Water Resources
Integrated Water Resource Consultants
a Division of RESPEC Company LLC

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Methodology and Results Narrative

Appendix A

- Existing conditions input data
- Existing conditions recharge volume summary
- Existing conditions recharge volume vs time graph

Appendix B

- Proposed conditions input data
- Proposed conditions recharge volume summary
- Proposed conditions recharge volume vs time graph



Progressive Water Resources
Integrated Water Resource Consultants
a Division of RESPEC Company LLC

TECHNICAL MEMORANDUM

Date: May 20, 2022

To: Russell Smith, Division Manager Lennar Homes, LLC

From: Peter A. Brown, P.E. & David J. Brown, P.G.

Re: Daniels South Integrated Model Analysis

BACKGROUND

Progressive Water Resources (PWR), a division of RESPEC Company, LLC was engaged by Lennar Homes, LLC (Client) to develop an integrated groundwater / surface water model to assess pre- and post-development groundwater recharge for the proposed Daniels South residential development project. The integrated model is a requirement of The Lee Plan Policy 33.1.7 which states that impacts of proposed land use disturbances on surface and groundwater resources will be analyzed by means of an integrated surface and groundwater model that utilizes site-specific data to assess potential adverse impacts on water resources and natural systems.

The subject property on which the modeling was performed encompasses approximately 1,230-acres and is located at the intersection of Daniels Parkway and State Road 82. Please note that where appropriate, input data used in the integrated model is consistent with the stormwater design parameters utilized by the Engineer of Record (Morris Depew).

ANALYSIS METHODOLOGY

ICPR Version 4.07.08 software was utilized to compare existing and proposed conditions for the project to demonstrate that no adverse impacts on water resources are anticipated to occur. The Existing Conditions model consists of a mixture of upland and wetland areas with no impervious area. Onsite soil parameters were obtained from the Natural Resources Conservation Service (NRCS) soil survey for Lee County with topographic information included in the model based on Lee County LIDAR.

The Proposed Conditions model assumes that 70% of the developable area will be impervious with 29.8% being Directly Connected Impervious Area (DCIA). The Lee County Lidar was updated in the Proposed Model to incorporate the conceptual grading of the stormwater lakes and developable area. As previously stated, the input data for nodes and links are based on the 1D ICPR model developed by the Engineer of Record.

The Green Ampt Method was utilized for onsite basins to integrate surface and groundwater characteristics for both existing and proposed conditions. Simplifications were made to the recharge areas (i.e., stormwater ponds and wetlands) as recommended by the software developer (Streamline Technologies) in order to optimize the triangulation mesh of the 2D overland and 2D groundwater regions. **Figure 1A** below depicts the triangulation mesh for both overland (blue mesh) and groundwater (pink mesh) regions for the Existing Conditions Model along with the onsite ICPR basins and LIDAR terrain. Similarly, **Figure 1B** illustrates the corresponding information for the Proposed Conditions Model. Please note that LIDAR symbology differs in **Figure 1B** due to the incorporation of proposed onsite regrading. However, elevations of undisturbed areas

are the same as Existing Conditions. A 25-year, 3-day event was used to model both conditions (i.e., pre- and post- development) for a simulation time period of 360 hours. ICPR input and summary results are provide in **Appendices A** and **B**.

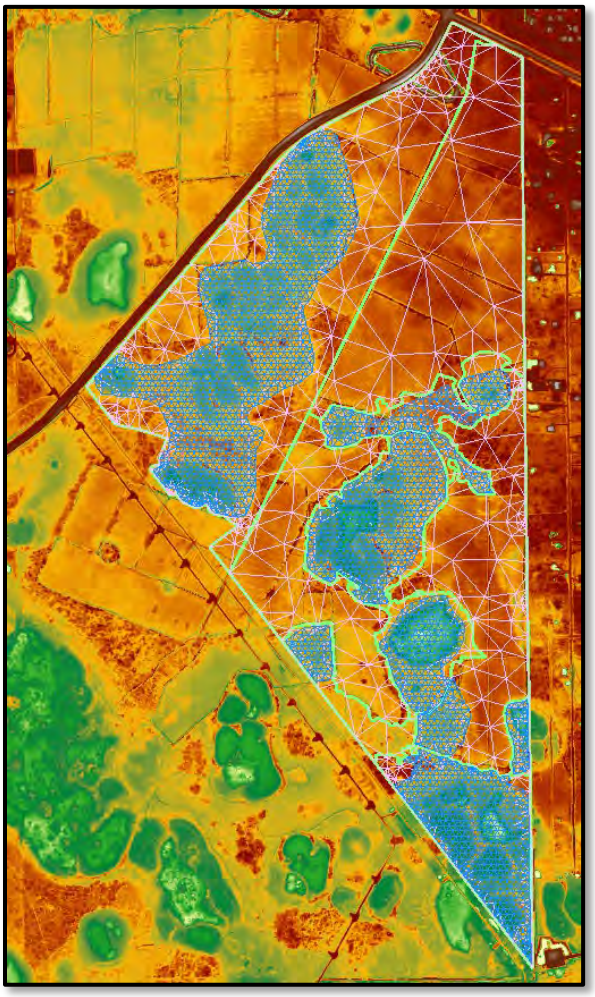


Figure 1A – Existing Conditions Triangulation Mesh

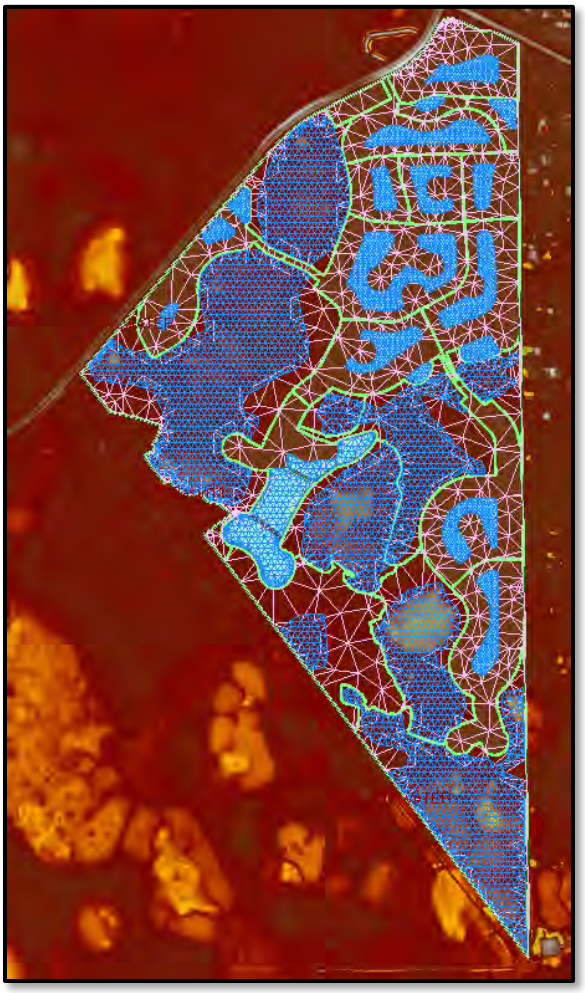


Figure 1B – Proposed Conditions Triangulation Mesh

RESULTS

Based on the results of the ICPR 4 Green Ampt analysis for a 25-year, 3-day rainfall event, the groundwater recharge volume simulated in the Proposed Conditions model is greater than existing conditions. This result indicates a beneficial increase in recharge to the underlying Water Table Aquifer. The existing conditions model simulates approximately 1,403 acre-ft over a duration of 360 hours, while the Proposed Conditions Model anticipates 1,497 acre-ft (net increase of 94 acre-ft). A comparison hydrograph is provided in **Figure 1** below. The results of this integrated analysis demonstrate that over time, the addition of stormwater lakes (wet detention areas) associated with the Daniels South project will enhance water resources by providing a net benefit in groundwater recharge.

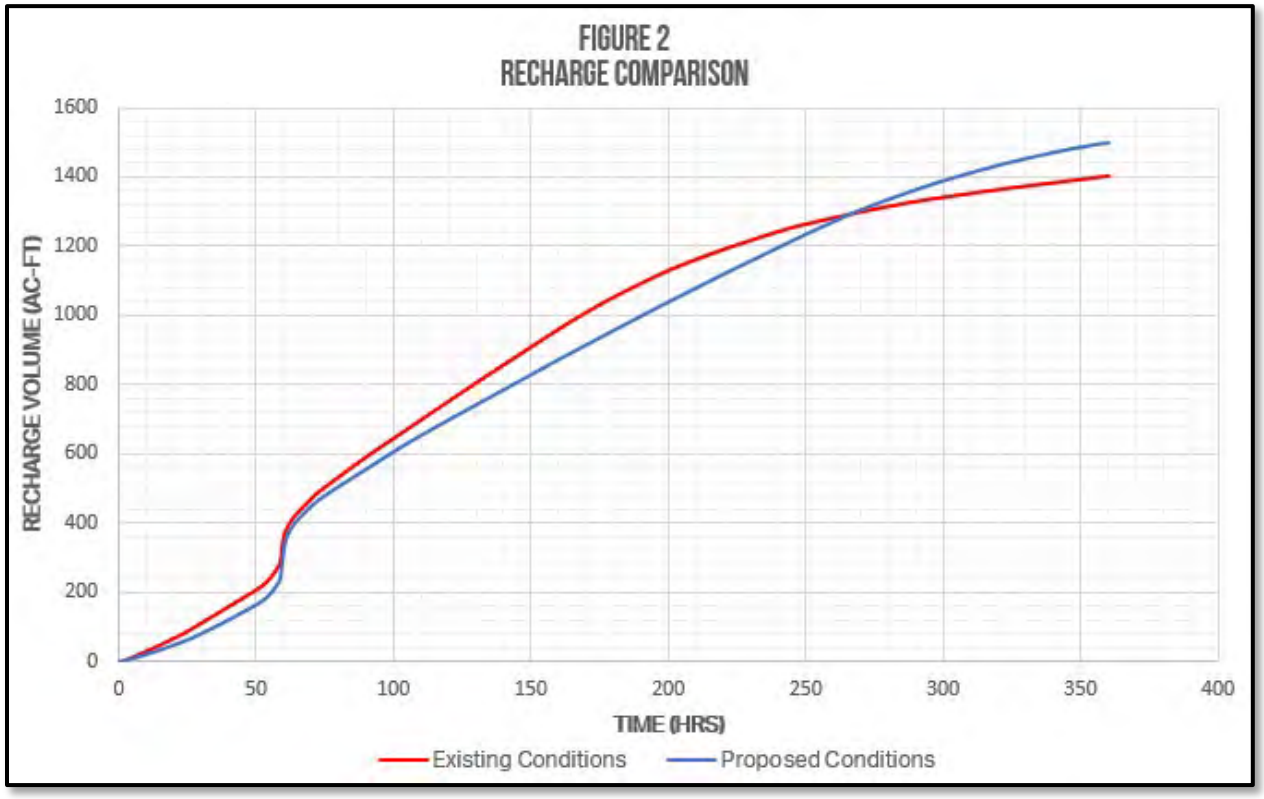


FIGURE 2
RECHARGE COMPARISON
RECHARGE VOLUME (AC-FT)
1600
1400
1200
1000
800
600
400
200
0
0
50
100
150
200
250
300
350
400
TIME (HRS)
Existing Conditions
Proposed Conditions

APPENDIX A

EXISTING CONDITIONS ICPR REPORTS

Manual Basin: AirportBasin11

Scenario: Scenario1
Node: AirportBasin11
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 43.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 213.6318 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
213.6318	AirportBasin11	AirportBasin11			

Comment: OUTFALL TO AIRPORT

Manual Basin: SWALE N2

Scenario: Scenario1
Node: Swale N2
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.9200 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9200	SWALE N2	SWALE N2			

Comment:

Manual Basin: SWALE N3

Scenario: Scenario1
Node: SWALE N3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.2200 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2200	SWALE N3	SWALE N3			

Comment:

Manual Basin: SWALE N4

Scenario: Scenario1
Node: Swale N4
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.0500 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0500	SWALE N4	SWALE N4			

Comment:

Manual Basin: TC COMMERCIAL

Scenario: Scenario1
Node: TC COMMERCIAL
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.9800 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 39.7700 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
39.7700	OFFSITE 1	OFFSITE 1			

Comment:

Mapped Basin: DS EAST

Scenario:	Scenario1
Node:	DS EAST
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	257.8100 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	146.2552 ac

Comment:

Mapped Basin: DS NORTH

Scenario:	Scenario1
Node:	DS NORTH
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	147.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	227.4241 ac

Comment:

Mapped Basin: DS WEST

Scenario:	Scenario1
Node:	DS WEST
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	116.8700 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	115.8953 ac

Comment:

Mapped Basin: WETLAND 1

Scenario:	Scenario1
Node:	WETLAND 1
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	23.2200 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	208.9651 ac

Comment:

Mapped Basin: WETLAND 2

Scenario:	Scenario1
Node:	WETLAND 2
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	36.7400 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	18.4969 ac

Comment:

Mapped Basin: WETLAND 3

Scenario:	Scenario1
Node:	WETLAND 3
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	64.1600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	8.4239 ac

Comment:

Mapped Basin: WETLAND 4

Scenario:	Scenario1
Node:	WETLAND 4
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	70.7300 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	10.1830 ac

Comment:

Mapped Basin: WETLAND 5

Scenario:	Scenario1
Node:	WETLAND 5
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	83.2200 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	19.5048 ac

Comment:

Mapped Basin: WETLAND 6

Scenario:	Scenario1
Node:	WETLAND 6
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	32.5700 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	1.7800 ac

Comment:

Mapped Basin: WETLAND 7

Scenario:	Scenario1
Node:	WETLAND 7
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	92.3900 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	11.3878 ac

Comment:

Curve Number: CN [Set]

Land Cover Zone	Soil Zone	Curve Number [dec]
AirportBasin11	AirportBasin11	95.5
OFFSITE 1	OFFSITE 1	95.9
SWALE N2	SWALE N2	98.0
SWALE N3	SWALE N3	98.0
SWALE N4	SWALE N4	98.0

Impervious: Impervious [Set]

Land Cover Zone	% Impervious	% DCIA	% Direct	Ia Impervious [in]	Ia Pervious [in]
AirportBasin11	0.00	0.00	0.00	0.000	0.000
OFFSITE 1	0.00	0.00	0.00	0.000	0.000
Pervious	0.00	0.00	0.00	0.000	0.000
SWALE N2	0.00	0.00	0.00	0.000	0.000
SWALE N3	0.00	0.00	0.00	0.000	0.000
SWALE N4	0.00	0.00	0.00	0.000	0.000

Green-Ampt: Green-Ampt [Set]

Soil Zone	Kv Saturated [fpd]	MC Saturated [dec]	MC Residual [dec]	MC Initial [dec]	MC Field [dec]	MC Wilting [dec]
Anclote sand, frequently ponded, 0 to 1 percent slopes	24.456	0.4364	0.0190	0.1140	0.1140	0.0380
Brynwood fine sand, wet, 0 to 2 percent slopes	20.095	0.4000	0.0140	0.0880	0.0880	0.0280
Cypress Lake fine sand, 0 to 2 percent slopes	21.843	0.4211	0.0175	0.0980	0.0980	0.0350
Cypress Lake fine sand-Urban land complex, 0 to 2 percent slopes	21.653	0.4716	0.0125	0.0680	0.0680	0.0250
EauGallie sand, 0 to 2 percent slopes	20.654	0.4034	0.0290	0.1290	0.1290	0.0580
Felda fine sand, 0 to 2 percent slopes	23.611	0.4187	0.0210	0.1080	0.1080	0.0420
Felda fine sand, frequently ponded, 0 to 1 percent slopes	21.990	0.4659	0.0260	0.1210	0.1210	0.0520
Felda fine sand, ponded-Urban land complex, 0 to 1 percent slopes	21.187	0.4721	0.0175	0.0780	0.0780	0.0350
Floridana sand, frequently ponded, 0 to 2	9.397	0.4921	0.0655	0.2090	0.2090	0.1310

Soil Zone	Kv Saturated [fpd]	MC Saturated [dec]	MC Residual [dec]	MC Initial [dec]	MC Field [dec]	MC Wilting [dec]
percent slopes						
Floridana sand, ponded-Urban land complex, 0 to 1 percent slopes	10.094	0.4872	0.0385	0.1270	0.1270	0.0770
Gator muck, frequently ponded, 0 to 1 percent slopes	10.226	0.5055	0.0520	0.2630	0.2630	0.1040
Gator muck, ponded-Urban land complex, 0 to 1 percent slopes	12.641	0.5285	0.0320	0.1670	0.1670	0.0640
Immokalee sand, 0 to 2 percent slopes	21.534	0.4261	0.0170	0.0910	0.0910	0.0340
Immokalee sand-Urban land complex, 0 to 2 percent slopes	22.478	0.4260	0.0115	0.0610	0.0610	0.0230
Malabar fine sand, 0 to 2 percent slopes	21.834	0.4510	0.0265	0.1260	0.1260	0.0530
Malabar fine sand, frequently ponded, 0 to 1 percent slopes	22.129	0.4601	0.0265	0.1270	0.1270	0.0530
Malabar fine sand, high, 0 to 2 percent slopes	21.629	0.4730	0.0275	0.1290	0.1290	0.0550
Malabar fine sand, high-Urban	21.326	0.4890	0.0170	0.0800	0.0800	0.0340

Soil Zone	Kv Saturated [fpd]	MC Saturated [dec]	MC Residual [dec]	MC Initial [dec]	MC Field [dec]	MC Wilting [dec]
land complex, 0 to 2 percent slopes						
Malabar fine sand, ponded-Urban land complex, 0 to 1 percent slopes	22.088	0.4850	0.0155	0.0760	0.0760	0.0310
Malabar fine sand-Urban land complex, 0 to 2 percent slopes	21.656	0.4820	0.0165	0.0770	0.0770	0.0330
Myakka fine sand, 0 to 2 percent slopes	22.759	0.4209	0.0175	0.0970	0.0970	0.0350
Myakka fine sand, frequently ponded, 0 to 1 percent slopes	22.686	0.4685	0.0185	0.0970	0.0970	0.0370
Myakka fine sand, ponded-Urban land complex, 0 to 1 percent slopes	22.680	0.4896	0.0115	0.0600	0.0600	0.0230
Oldsmar sand, 0 to 2 percent slopes	14.763	0.4439	0.0415	0.1500	0.1500	0.0830
Oldsmar sand-Urban land, 0 to 2 percent slopes	15.582	0.4897	0.0245	0.0900	0.0900	0.0490
Pineda fine sand,	15.534	0.4790	0.0290	0.1270	0.1270	0.0580

Soil Zone	Kv Saturated [fpd]	MC Saturated [dec]	MC Residual [dec]	MC Initial [dec]	MC Field [dec]	MC Wilting [dec]
frequently ponded, 0 to 1 percent slopes						
Pineda fine sand, ponded-Urban land complex, 0 to 1 percent slopes	15.927	0.4980	0.0170	0.0760	0.0760	0.0340
Pineda fine sand-Urban land complex, 0 to 2 percent slopes	17.717	0.4933	0.0165	0.0780	0.0780	0.0330
Pineda-Pineda, wet, fine sand, 0 to 2 percent slopes	17.157	0.4304	0.0250	0.1170	0.1170	0.0500
Pompano fine sand, 0 to 2 percent slopes	25.339	0.4056	0.0075	0.0650	0.0650	0.0150
Pompano fine sand, frequently ponded, 0 to 1 percent slopes	25.933	0.4334	0.0095	0.0730	0.0730	0.0190
Smyrna fine sand, 0 to 2 percent slopes	24.374	0.4565	0.0140	0.0890	0.0890	0.0280
Terra Ceia muck, frequently ponded, 0 to 1 percent slopes	24.701	0.6777	0.0491	0.4950	0.4950	0.1140
Valkaria fine sand, 0 to 2 percent slopes	25.937	0.4144	0.0100	0.0770	0.0770	0.0200
Valkaria fine	25.998	0.4425	0.0095	0.0760	0.0760	0.0190

Soil Zone	Kv Saturated [fpd]	MC Saturated [dec]	MC Residual [dec]	MC Initial [dec]	MC Field [dec]	MC Wilting [dec]
sand, frequently ponded, 0 to 1 percent slopes						
Valkaria fine sand, ponded-Urban land complex, 0 to 1 percent slopes	25.940	0.4993	0.0060	0.0450	0.0450	0.0120
Water	21.534	0.4261	0.0170	0.0910	0.0910	0.0340

Soil Zone	Pore Size Index [dec]	Bubble Pressure [in]	Allow Recharge	WT Initial [ft]	Layer Thickness [ft]	# of Cells per Layer
Anclote sand, frequently ponded, 0 to 1 percent slopes	0.55	1.287	Yes	0.26	0.00	0
Brynwood fine sand, wet, 0 to 2 percent slopes	0.57	1.854	Yes	0.56	0.00	0
Cypress Lake fine sand, 0 to 2 percent slopes	0.53	1.463	Yes	0.95	0.00	0
Cypress Lake fine sand-Urban land complex, 0 to 2 percent slopes	0.52	1.116	Yes	0.98	0.00	0
EauGallie sand, 0 to 2 percent slopes	0.50	1.809	Yes	1.02	0.00	0
Felda fine sand, 0 to 2 percent slopes	0.52	1.385	Yes	0.98	0.00	0
Felda fine sand, frequently	0.48	1.093	Yes	0.30	0.00	0

Soil Zone	Pore Size Index [dec]	Bubble Pressure [in]	Allow Recharge	WT Initial [ft]	Layer Thickness [ft]	# of Cells per Layer
ponded, 0 to 1 percent slopes						
Felda fine sand, ponded-Urban land complex, 0 to 1 percent slopes	0.47	1.070	Yes	0.36	0.00	0
Floridana sand, frequently ponded, 0 to 2 percent slopes	0.34	1.665	Yes	0.26	0.00	0
Floridana sand, ponded-Urban land complex, 0 to 1 percent slopes	0.35	1.646	Yes	0.30	0.00	0
Gator muck, frequently ponded, 0 to 1 percent slopes	0.39	1.232	Yes	0.07	0.00	0
Gator muck, ponded-Urban land complex, 0 to 1 percent slopes	0.40	1.035	Yes	0.30	0.00	0
Immokalee sand, 0 to 2 percent slopes	0.56	1.335	Yes	1.08	0.00	0
Immokalee sand-Urban land complex, 0 to 2 percent slopes	0.55	1.337	Yes	1.08	0.00	0
Malabar fine sand, 0 to 2	0.49	1.304	Yes	0.98	0.00	0

Soil Zone	Pore Size Index [dec]	Bubble Pressure [in]	Allow Recharge	WT Initial [ft]	Layer Thickness [ft]	# of Cells per Layer
percent slopes						
Malabar fine sand, frequently ponded, 0 to 1 percent slopes	0.48	1.246	Yes	0.30	0.00	0
Malabar fine sand, high, 0 to 2 percent slopes	0.48	1.163	Yes	0.98	0.00	0
Malabar fine sand, high-Urban land complex, 0 to 2 percent slopes	0.47	1.060	Yes	1.02	0.00	0
Malabar fine sand, ponded-Urban land complex, 0 to 1 percent slopes	0.48	1.088	Yes	0.33	0.00	0
Malabar fine sand-Urban land complex, 0 to 2 percent slopes	0.48	1.092	Yes	1.02	0.00	0
Myakka fine sand, 0 to 2 percent slopes	0.55	1.324	Yes	1.05	0.00	0
Myakka fine sand, frequently ponded, 0 to 1 percent slopes	0.55	1.030	Yes	0.33	0.00	0
Myakka fine sand, ponded-Urban land complex, 0	0.54	0.938	Yes	0.39	0.00	0

Soil Zone	Pore Size Index [dec]	Bubble Pressure [in]	Allow Recharge	WT Initial [ft]	Layer Thickness [ft]	# of Cells per Layer
to 1 percent slopes						
Oldsmar sand, 0 to 2 percent slopes	0.43	1.472	Yes	0.95	0.00	0
Oldsmar sand-Urban land, 0 to 2 percent slopes	0.43	1.085	Yes	0.98	0.00	0
Pineda fine sand, frequently ponded, 0 to 1 percent slopes	0.47	1.058	Yes	0.30	0.00	0
Pineda fine sand, ponded-Urban land complex, 0 to 1 percent slopes	0.47	0.962	Yes	0.33	0.00	0
Pineda fine sand-Urban land complex, 0 to 2 percent slopes	0.49	0.949	Yes	1.02	0.00	0
Pineda-Pineda, wet, fine sand, 0 to 2 percent slopes	0.50	1.337	Yes	0.98	0.00	0
Pompano fine sand, 0 to 2 percent slopes	0.58	1.531	Yes	0.95	0.00	0
Pompano fine sand, frequently ponded, 0 to 1 percent slopes	0.57	1.304	Yes	0.30	0.00	0
Smyrna fine	0.55	1.093	Yes	1.02	0.00	0

Soil Zone	Pore Size Index [dec]	Bubble Pressure [in]	Allow Recharge	WT Initial [ft]	Layer Thickness [ft]	# of Cells per Layer
sand, 0 to 2 percent slopes						
Terra Ceia muck, frequently ponded, 0 to 1 percent slopes	0.45	0.587	Yes	0.30	0.00	0
Valkaria fine sand, 0 to 2 percent slopes	0.57	1.430	Yes	1.02	0.00	0
Valkaria fine sand, frequently ponded, 0 to 1 percent slopes	0.56	1.203	Yes	0.26	0.00	0
Valkaria fine sand, ponded-Urban land complex, 0 to 1 percent slopes	0.55	0.919	Yes	0.30	0.00	0
Water	0.56	1.335	Yes	1.08	0.00	0

Manual Basin: AirportBasin11

Scenario: Scenario1
Node: AirportBasin11
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 43.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 213.6318 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
213.6318	AirportBasin11	AirportBasin11			

Comment: OUTFALL TO AIRPORT

Manual Basin: SWALE N2

Scenario: Scenario1
Node: Swale N2
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.9200 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9200	SWALE N2	SWALE N2			

Comment:

Manual Basin: SWALE N3

Scenario: Scenario1
Node: SWALE N3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.2200 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2200	SWALE N3	SWALE N3			

Comment:

Manual Basin: SWALE N4

Scenario: Scenario1
Node: Swale N4
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.0500 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0500	SWALE N4	SWALE N4			

Comment:

Manual Basin: TC COMMERCIAL

Scenario: Scenario1
Node: TC COMMERCIAL
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.9800 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 39.7700 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
39.7700	OFFSITE 1	OFFSITE 1			

Comment:

Node: AirportBasin11

Scenario: Scenario1

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 25.00 ft
Warning Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	25.00
0	0	0	30.0000	25.05
0	0	0	40.0000	25.18
0	0	0	60.0000	25.60
0	0	0	64.0000	26.00
0	0	0	80.0000	26.06
0	0	0	100.0000	26.00
0	0	0	240.0000	25.53
0	0	0	360.0000	25.33
0	0	0	999.0000	25.00

Comment:

Node: DS EAST

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.40 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
23.44	0.0023	100
23.50	0.0046	200
23.75	0.0597	2600
24.00	0.1653	7200
24.25	0.7966	34700
24.50	4.0794	177700
24.75	8.5491	372400
25.00	11.6736	508500
25.25	12.4564	542600
25.50	12.7388	554900
25.75	12.9224	562900
26.00	13.0311	567633
26.25	13.1107	571100
26.50	13.2002	575000
26.75	13.2691	578000
27.00	13.2978	579250
27.25	13.3019	579429
27.50	13.3171	580094
27.75	13.3171	580094

Comment:

Node: DS NORTH

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.60 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
23.38	0.0002	7
23.63	0.0039	172
23.88	0.0411	1792
24.13	0.1896	8259
24.38	0.5603	24408
24.63	1.2853	55986
24.88	2.6286	114502
25.13	5.6135	244525
25.38	17.8126	775915
25.60	25.1146	1093990
25.60	25.1149	1094004
25.63	58.3810	2543074
25.88	124.9387	5442328
26.13	173.2882	7548432
26.38	202.8519	8836231
26.63	219.3068	9553006
26.88	222.6844	9700132
27.13	224.2488	9768276
27.38	225.1259	9806483
27.63	225.5733	9825974
27.88	225.7749	9834753
28.13	225.8634	9838611
28.38	225.8921	9839860
28.63	225.9034	9840350
28.88	225.9045	9840400

Comment:

Node: DS WEST

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
23.11	0.0023	100
23.25	0.0061	267
23.50	0.0171	744
23.75	0.0367	1600
24.00	0.1814	7900
24.25	0.5900	25700
24.50	1.2374	53900
24.75	3.3196	144600
25.00	9.7268	423700
25.25	21.3958	932000
25.50	35.4523	1544300
25.75	41.9330	1826600
26.00	43.0257	1874200
26.25	43.6869	1903000
26.50	44.1391	1922700
26.75	44.4192	1934900
27.00	44.5064	1938700
27.25	44.5615	1941100
27.50	44.6162	1943480
27.75	44.6269	1943950
28.00	44.6269	1943950

Comment:

Node: DUMMY 1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0010	44
999.00	0.0010	44

Comment:

Node: DUMMY 2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0010	44
999.00	0.0010	44

Comment:

Node: Daniels Road

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 9999.00 ft
Warning Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	9999.00
0	0	0	99999.0000	9999.00

Comment: This is a dummy node used to connect a time vs flow rate curve to nodes internal to the development represnting inflows from the equalizer pipes under daniels parkway.

Node: EB OUTFALL DUMMY

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 24.84 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0010	44
999.00	0.0010	44

Comment:

Node: EB TAILWATER

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 24.84 ft
Warning Stage: 0.00 ft
Boundary Stage: Outfall

Comment:

Node: Swale N2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0010	44
999.00	0.0010	44

Comment:

Node: Swale N3

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0010	44
999.00	0.0010	44

Comment:

Node: Swale N4

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0010	44
999.00	0.0010	44

Comment:

Node: TC COMMERCIAL

Scenario: Scenario1
Type: Stage/Volume
Base Flow: 0.00 cfs
Initial Stage: 25.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Volume [ac-ft]	Volume [ft3]
20.30	0.00	0
20.40	0.00	2
20.50	0.00	31
20.60	0.00	115
20.70	0.01	269
20.80	0.01	499
20.90	0.02	835
21.00	0.03	1296
21.10	0.04	1880
21.20	0.06	2582
21.30	0.08	3412
21.40	0.10	4386
21.50	0.13	5535
21.60	0.16	6877
21.70	0.19	8411
21.80	0.23	10146
21.90	0.28	12120
22.00	0.33	14363
22.10	0.39	16888
22.20	0.45	19730
22.30	0.53	22951
22.40	0.61	26588
22.50	0.70	30663
22.60	0.81	35198
22.70	0.92	40276
22.80	1.06	46055
22.90	1.21	52655
23.00	1.38	60315
23.10	1.59	69163
23.20	1.82	79169
23.30	2.07	90340
23.40	2.36	102736
23.50	2.67	116313
23.60	3.01	131014
23.70	3.37	146832
23.80	3.76	163787
23.90	4.18	181930
24.00	4.62	201361
24.10	5.10	222199
24.20	5.61	244413
24.30	6.16	268309
24.40	6.76	294503

Stage [ft]	Volume [ac-ft]	Volume [ft3]
24.50	7.42	323168
24.60	8.15	355110
24.70	9.01	392328
24.80	9.99	435150
24.90	11.12	484221
25.00	12.40	540003
25.10	13.86	603646
25.20	15.53	676604
25.30	17.44	759877
25.40	19.62	854767
25.50	22.08	961713
25.60	24.78	1079351
25.70	27.67	1205304
25.80	30.73	1338568
25.90	33.97	1479666
26.00	37.38	1628324
26.10	40.91	1782246
26.20	44.52	1939479
26.30	48.19	2099086
26.40	51.89	2260352
26.50	55.62	2422768
26.60	59.37	2585987
26.70	63.13	2749787
26.80	66.90	2914054
26.90	70.68	3078743
27.00	74.47	3243829
27.10	78.27	3409272
27.20	82.07	3575064
27.30	85.89	3741195
27.40	89.71	3907670
27.50	93.54	4074517
27.60	97.38	4241752
27.70	101.22	4409338
27.80	105.08	4577233
27.90	108.94	4745416
28.00	112.81	4913885
28.10	116.68	5082642
28.20	120.56	5251676
28.30	124.45	5420962
28.40	128.34	5590479
28.50	132.24	5760208
28.60	136.14	5930141
28.70	140.04	6100272
28.80	143.95	6270598
28.90	147.87	6441113
29.00	151.79	6611802
29.10	155.71	6782658
29.20	159.63	6953673
29.30	163.56	7124843

Stage [ft]	Volume [ac-ft]	Volume [ft3]
29.40	167.50	7296159
29.50	171.43	7467613
29.60	175.37	7639201
29.70	179.31	7810922
29.80	183.26	7982777
29.90	187.21	8154764
30.00	191.16	8326886
30.10	195.11	8499149
30.20	199.07	8671561
30.30	203.03	8844136
30.40	207.00	9016885
30.50	210.97	9189813
30.60	214.94	9362913
30.70	218.92	9536169
30.80	222.90	9709563
30.90	226.88	9883076
31.00	230.87	10056695
31.10	234.86	10230411
31.20	238.85	10404208
31.30	242.84	10578077
31.40	246.83	10752008
31.50	250.83	10925992
31.60	254.82	11100024
31.70	258.82	11274091
31.80	262.81	11448183
31.90	266.81	11622294
32.00	270.81	11796415
32.10	274.81	11970541
32.20	278.80	12144669
32.30	282.80	12318798
32.40	286.80	12492926
32.50	290.80	12667055
32.60	294.79	12841184
32.70	298.79	13015312
32.80	302.79	13189441
32.90	306.79	13363569
33.00	310.78	13537698
33.10	314.78	13711827
33.20	318.78	13885955
33.30	322.78	14060084
33.40	326.77	14234212
33.50	330.77	14408341
33.60	334.77	14582470
33.70	338.76	14756598
33.80	342.76	14930727
33.90	346.76	15104855
34.00	350.76	15278984
20.29	0.00	44
19.00	0.00	44

Comment:

Node: TC TAILWATER

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 25.00 ft
Warning Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	25.00
0	0	0	30.0000	25.10
0	0	0	60.0000	25.50
0	0	0	73.3800	26.08
0	0	0	240.0000	25.52
0	0	0	360.0000	25.14
0	0	0	999.0000	25.00

Comment:

Node: WETLAND 1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
21.74	0.0023	100
21.75	0.0034	150
22.00	0.0253	1100
22.25	0.1102	4800
22.50	0.2296	10000
22.75	0.6152	26800
23.00	1.5496	67500
23.25	2.9017	126400
23.50	6.6047	287700
23.75	18.2094	793200
24.00	39.3411	1713700
24.25	67.0087	2918900
24.50	94.3067	4108000
24.75	119.8669	5221400
25.00	147.7456	6435800

Stage [ft]	Area [ac]	Area [ft2]
25.25	180.9275	7881200
25.50	200.2273	8721900
25.75	206.5381	8996800
26.00	208.9486	9101800
26.25	210.0964	9151800
26.50	210.3135	9161255
26.75	210.3135	9161255

Comment:

Node: WETLAND 2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.63 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
23.26	0.0023	100
23.50	0.1056	4600
23.75	0.3558	15500
24.00	0.7714	33600
24.25	1.6575	72200
24.50	4.0725	177400
24.75	8.3012	361600
25.00	14.5156	632300
25.25	20.7300	903000
25.50	26.0376	1134200
25.75	30.1332	1312600
26.00	32.8191	1429600
26.25	33.9279	1477900
26.50	34.2700	1492800
26.75	34.4054	1498700
27.00	34.4697	1501500
27.25	34.5036	1502975
27.50	34.5073	1503137
27.75	34.5073	1503137

Comment:

Node: WETLAND 3

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 25.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
20.72	0.0023	100
20.75	0.0046	200
21.00	0.0153	667
21.25	0.0228	992
21.50	0.0367	1600
21.75	0.0421	1833
22.00	0.0528	2300
22.25	0.1492	6500
22.50	1.2213	53200
22.75	3.9279	171100
23.00	5.8724	255800
23.25	7.3852	321700
23.50	12.3141	536400
23.75	18.9302	824600
24.00	28.6731	1249000
24.25	35.3329	1539100
24.50	40.1515	1749000
24.75	44.9357	1957400
25.00	52.3072	2278500
25.25	64.3916	2804900
25.50	71.5243	3115600
25.75	74.2126	3232700
26.00	75.2479	3277800
26.25	75.6221	3294100
26.50	75.8196	3302700
26.75	75.9102	3306650
27.00	75.9509	3308420
27.25	75.9718	3309333
27.50	75.9911	3310171
27.75	75.9958	3310375
28.00	75.9958	3310375

Comment:

Node: WETLAND 4

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.20 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
20.93	0.0023	100

Stage [ft]	Area [ac]	Area [ft2]
21.00	0.0046	200
21.25	0.0115	500
21.50	0.1286	5600
21.75	0.3329	14500
22.00	1.9444	84700
22.25	7.1051	309500
22.50	10.7415	467900
22.75	13.0624	569000
23.00	14.6901	639900
23.25	15.9206	693500
23.50	17.1074	745200
23.75	18.3678	800100
24.00	19.6488	855900
24.25	21.5174	937300
24.50	24.3526	1060800
24.75	27.9385	1217000
25.00	31.9192	1390400
25.25	34.4444	1500400
25.50	35.0895	1528500
25.75	35.2583	1535850
26.00	35.2931	1537367
26.25	35.3055	1537908
26.50	35.3055	1537908

Comment:

Node: WETLAND 5

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.16 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
23.48	0.0023	100
23.50	0.0048	208
23.75	0.0110	479
24.00	0.0436	1900
24.25	0.6635	28900
24.50	3.5514	154700
24.75	7.4105	322800
25.00	8.9669	390600
25.25	9.5569	416300
25.50	9.6855	421900
25.75	9.7245	423600
26.00	9.7521	424800

Stage [ft]	Area [ac]	Area [ft2]
26.25	9.7739	425750
26.50	9.7826	426130
26.75	9.7826	426130

Comment:

Node: WETLAND 6

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.12 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
21.78	0.0023	100
22.00	0.0964	4200
22.25	0.8242	35900
22.50	1.2213	53200
22.75	1.4555	63400
23.00	1.6345	71200
23.25	1.8526	80700
23.50	2.0615	89800
23.75	2.2153	96500
24.00	2.5161	109600
24.25	2.8444	123900
24.50	3.0647	133500
24.75	3.4871	151900
25.00	5.1309	223500
25.25	6.2879	273900
25.50	6.6781	290900
25.75	6.8113	296700
26.00	6.8503	298400
26.25	6.8652	299050
26.50	6.8744	299450
26.75	6.8781	299612
27.00	6.8781	299612

Comment:

Node: WETLAND 7

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 24.84 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
21.36	0.0023	100
21.50	0.0344	1500
21.75	0.6887	30000
22.00	1.3705	59700
22.25	2.0799	90600
22.50	2.7824	121200
22.75	3.9715	173000
23.00	5.3903	234800
23.25	13.7649	599600
23.50	27.7732	1209800
23.75	37.5849	1637200
24.00	45.9160	2000100
24.25	54.2516	2363200
24.50	61.4118	2675100
24.75	67.5781	2943700
25.00	71.7608	3125900
25.25	74.3044	3236700
25.50	75.7920	3301500
25.75	76.8136	3346000
26.00	77.4564	3374000
26.25	77.7778	3388000
26.50	77.9890	3397200
26.75	78.1221	3403000
27.00	78.1680	3405000
27.25	78.1869	3405822
27.50	78.1883	3405881
27.75	78.1883	3405881

Comment: Stage Storage provided via County Lidar

Channel Link: CH-DMY1-DMY2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	23.41 ft	Invert:	23.16 ft
From Node:	DUMMY 1	Manning's N:	0.0210	Manning's N:	0.0210
To Node:	DUMMY 2	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	999.00 ft	Max Depth:	999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	2.00 ft	Bottom Width:	2.00 ft
Length:	289.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.20	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.20	Op Table:		Op Table:	
Bend Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000

Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH-SW1-SW2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	23.35 ft	Invert:	23.35 ft
From Node:	TC COMMERCIAL	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	Swale N2	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	99999.00 ft	Max Depth:	99999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	1264.66 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.10	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH-SWN2-SWN3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	23.35 ft	Invert:	23.35 ft
From Node:	Swale N2	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	Swale N3	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	1276.49 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.10	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	

	Ref Node:		Ref Node:
	Manning's N:	0.0000	Manning's N: 0.0000

Comment:

Channel Link: CH-SWN3-SWN4		Upstream		Downstream	
Scenario:	Scenario1	Invert:	23.35 ft	Invert:	23.35 ft
From Node:	Swale N3	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	Swale N4	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	1719.15 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.10	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH-SWN4-TC OUTFALL		Upstream		Downstream	
Scenario:	Scenario1	Invert:	23.35 ft	Invert:	23.35 ft
From Node:	Swale N4	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	TC TAILWATER	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	999.00 ft	Max Depth:	999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	70.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.10	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: CS1-DRD-N3

Scenario: Scenario1
From Node: Daniels Road
To Node: Swale N3
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-12	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS1-DRD-N4

Scenario: Scenario1
From Node: Daniels Road
To Node: Swale N4
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-11	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS1-DRD-TC COM

Scenario: Scenario1
From Node: Daniels Road
To Node: TC COMMERCIAL
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-14	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS1-DRD-TC OUTFALL

Scenario: Scenario1
From Node: Daniels Road
To Node: TC TAILWATER
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-7	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS1-DS1-DRD

Scenario: Scenario1
From Node: Daniels Road
To Node: WETLAND 1
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-9	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS2-DRD-TC COM

Scenario: Scenario1
From Node: Daniels Road
To Node: TC COMMERCIAL
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-15	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS2-DRD-TC OUTFALL

Scenario: Scenario1
From Node: Daniels Road
To Node: TC TAILWATER
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-8	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS2-DS1-DRD

Scenario: Scenario1
From Node: Daniels Road
To Node: WETLAND 1
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-13	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS3-DRD-TC COM

Scenario: Scenario1
From Node: Daniels Road
To Node: TC COMMERCIAL
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-16	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS3-DRD-TC OUTFALL

Scenario: Scenario1
From Node: Daniels Road
To Node: TC TAILWATER
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-10	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Drop Structure Link: DS-DMY2-EB TW

Scenario: Scenario1
From Node: DUMMY 2
To Node: EB TAILWATER
Link Count: 1
Flow Direction: Both

Upstream Pipe	Downstream Pipe
Invert: 23.16 ft	Invert: 23.16 ft
Manning's N: 0.0120	Manning's N: 0.0120
Geometry: Horizontal Ellipse	Geometry: Horizontal Ellipse
Max Depth: 2.83 ft	Max Depth: 2.83 ft
Bottom Clip	

Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0100 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	31.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	25.50 ft	Ref Node:	
Control Elevation:	25.50 ft	Discharge Coefficients	
Max Depth:	999.00 ft	Weir Default:	3.200
Max Width:	999.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS-WETLAND 1-SWALE N2		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario1	Invert:	22.53 ft	Invert:	23.60 ft
From Node:	WETLAND 1	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	Swale N2	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	1.58 ft	Max Depth:	1.58 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0100 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	195.00 ft	Top Clip			
FHWA Code:	30	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000

Bend Location:	0.00 dec
Energy Switch:	Energy

Pipe Comment:

Weir Component	
Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0100 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	25.50 ft
Control Elevation:	25.00 ft
Max Depth:	9999.00 ft
Max Width:	9999.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS-WETLAND 1-SWALE N3	
Scenario:	Scenario1
From Node:	WETLAND 1
To Node:	Swale N3
Link Count:	1
Flow Direction:	Both
Solution:	Combine
Increments:	0
Pipe Count:	1
Damping:	0.0100 ft
Length:	206.00 ft
FHWA Code:	30
Entr Loss Coef:	0.50
Exit Loss Coef:	1.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Upstream Pipe	
Invert:	22.36 ft
Manning's N:	0.0140

Geometry: Horizontal Ellipse	
Max Depth:	1.17 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Downstream Pipe	
Invert:	23.34 ft
Manning's N:	0.0140

Geometry: Horizontal Ellipse	
Max Depth:	1.17 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Pipe Comment:

Weir Component	
Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0100 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	25.50 ft
Control Elevation:	25.00 ft
Max Depth:	9999.00 ft
Max Width:	9999.00 ft
Fillet:	0.00 ft

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS-WETLAND 1-SWALE N4	
Scenario:	Scenario1
From Node:	WETLAND 1
To Node:	Swale N4
Link Count:	1
Flow Direction:	Both
Solution:	Combine
Increments:	0
Pipe Count:	1
Damping:	0.0100 ft
Length:	204.00 ft
FHWA Code:	30
Entr Loss Coef:	0.50
Exit Loss Coef:	1.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Upstream Pipe	
Invert:	24.08 ft
Manning's N:	0.0140

Geometry: Horizontal Ellipse	
Max Depth:	1.17 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Downstream Pipe	
Invert:	24.11 ft
Manning's N:	0.0140

Geometry: Horizontal Ellipse	
Max Depth:	1.17 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Pipe Comment:

Weir Component	
Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	25.50 ft
Control Elevation:	25.00 ft
Max Depth:	9999.00 ft
Max Width:	9999.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600

Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS-WETLAND 1-TC COMMERCIAL		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario1	Invert:	22.23 ft	Invert:	22.10 ft
From Node:	WETLAND 1	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	TC COMMERCIAL	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	1.58 ft	Max Depth:	1.58 ft
Flow Direction:	Both	Bottom Clip		Bottom Clip	
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0100 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	187.00 ft	Top Clip		Top Clip	
FHWA Code:	30	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0100 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	25.50 ft	Op Table:	
Control Elevation:	25.00 ft	Ref Node:	
Max Depth:	9999.00 ft	Discharge Coefficients	
Max Width:	9999.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS1-WETLAND 1-	Upstream Pipe	Downstream Pipe

TIMBER CREEK OUTFALL		Upstream Pipe		Downstream Pipe	
		Invert:	24.74 ft	Invert:	23.88 ft
Scenario:	Scenario1	Manning's N:	0.0140	Manning's N:	0.0140
From Node:	WETLAND 1	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
To Node:	TC TAILWATER	Max Depth:	1.17 ft	Max Depth:	1.17 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0100 ft	Top Clip			
Length:	160.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	30	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	1.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0100 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	25.50 ft	Ref Node:	
Control Elevation:	25.00 ft	Discharge Coefficients	
Max Depth:	9999.00 ft	Weir Default:	3.200
Max Width:	9999.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS1-WETLAND 1-AIRPORT BASIN 11		Upstream Pipe		Downstream Pipe	
		Invert:	23.50 ft	Invert:	23.50 ft
Scenario:	Scenario1	Manning's N:	0.0140	Manning's N:	0.0140
From Node:	WETLAND 1	Geometry: Circular		Geometry: Circular	
To Node:	AirportBasin11	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000

Damping:	0.0100 ft	Top Clip			
Length:	52.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	1	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	1.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	25.50 ft	Ref Node:	
Control Elevation:	25.50 ft	Discharge Coefficients	
Max Depth:	999.00 ft	Weir Default:	3.200
Max Width:	999.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS2-WETLAND 1-AIRPORT BASIN 11		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario1	Invert:	23.50 ft	Invert:	23.50 ft
From Node:	WETLAND 1	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	AirportBasin11	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0100 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	36.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	25.50 ft	Ref Node:	
Control Elevation:	25.50 ft	**Discharge Coefficients**	
Max Depth:	999.00 ft	Weir Default:	3.200
Max Width:	999.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS2-WETLAND 1-TIMBER CREEK OUTFALL		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario1	Invert:	24.26 ft	Invert:	24.25 ft
From Node:	WETLAND 1	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	TC TAILWATER	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	1.17 ft	Max Depth:	1.17 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	2	Ref Node:		Ref Node:	
Damping:	0.0100 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	177.00 ft	Top Clip			
FHWA Code:	30	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0100 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	25.50 ft		

Control Elevation:	25.00 ft
Max Depth:	9999.00 ft
Max Width:	9999.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS3-WETLAND 1-AIRPORT BASIN 11		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario1	Invert:	23.50 ft	Invert:	23.50 ft
From Node:	WETLAND 1	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	AirportBasin11	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0100 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	33.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	25.50 ft	Op Table:	
Control Elevation:	25.50 ft	Ref Node:	
Max Depth:	999.00 ft	Discharge Coefficients	
Max Width:	999.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS4-WETLAND 1-AIRPORT BASIN 11		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario1	Invert:	23.50 ft	Invert:	23.50 ft
From Node:	WETLAND 1	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	AirportBasin11	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip		Bottom Clip	
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0100 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	31.00 ft	Top Clip		Top Clip	
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	25.50 ft	Ref Node:	
Control Elevation:	25.50 ft	Discharge Coefficients	
Max Depth:	999.00 ft	Weir Default:	3.200
Max Width:	999.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Weir Link: OW-DANIELS SOUTH- ESTERO BAY		Bottom Clip	
Scenario:	Scenario1	Default:	0.00 ft
From Node:	WETLAND 7	Op Table:	
To Node:	EB TAILWATER	Ref Node:	
Link Count:	1		

Flow Direction:	Both
Damping:	0.0100 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	25.20 ft
Control Elevation:	25.00 ft
Cross Section:	OW-WETLAND 1-OUTFALL

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: OW-DS EAST-WETLAND 6

Scenario:	Scenario1
From Node:	DS EAST
To Node:	WETLAND 6
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	24.00 ft
Control Elevation:	25.40 ft
Cross Section:	OW-DS EAST-WETLAND 6

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: OW-DS EAST-WETLAND 7

Scenario:	Scenario1
From Node:	DS EAST
To Node:	WETLAND 7
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	23.74 ft
Control Elevation:	25.40 ft
Cross Section:	OW-DS EAST-WETLAND 7

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: OW-DS NORTH-WETLAND 2

Scenario:	Scenario1
From Node:	DS NORTH
To Node:	WETLAND 2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	24.48 ft
Control Elevation:	25.63 ft
Cross Section:	OW-DS NORTH-WETLAND 2

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: OW-DS WEST-WETLAND 4

Scenario:	Scenario1
From Node:	DS WEST
To Node:	WETLAND 4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	24.57 ft
Control Elevation:	25.50 ft
Cross Section:	OW-DS WEST-WETLAND 4

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: OW-DS WEST-WETLAND 5

Scenario:	Scenario1
From Node:	DS WEST
To Node:	WETLAND 5
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	23.60 ft
Control Elevation:	25.50 ft
Cross Section:	OW-DS WEST-WETLAND 5

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600

	Orifice Table:

Comment:

Weir Link: OW-WETLAND 2-DS EAST

Scenario:	Scenario1
From Node:	WETLAND 2
To Node:	DS EAST
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	25.41 ft
Control Elevation:	25.63 ft
Cross Section:	OW-WETLAND 2-DS EAST

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: OW-WETLAND 2-WETLAND 3

Scenario:	Scenario1
From Node:	WETLAND 2
To Node:	WETLAND 3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	24.62 ft
Control Elevation:	25.63 ft
Cross Section:	OW-WETLAND 2-WETLAND 3

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: OW-WETLAND 3-DS EAST

Scenario:	Scenario1
From Node:	WETLAND 3
To Node:	DS EAST
Link Count:	1
Flow Direction:	Both

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Irregular	Op Table:	
Invert:	25.00 ft	Ref Node:	
Control Elevation:	25.50 ft	Discharge Coefficients	
Cross Section:	OW-WETLAND 3-DS EAST	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: OW-WETLAND 3-DS WEST

Scenario:	Scenario1	Bottom Clip	
From Node:	WETLAND 3	Default:	0.00 ft
To Node:	DS WEST	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	25.02 ft	Discharge Coefficients	
Control Elevation:	25.50 ft	Weir Default:	2.800
Cross Section:	OW-WETLAND 3-DS WEST	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: OW-WETLAND 3-WETLAND 4

Scenario:	Scenario1	Bottom Clip	
From Node:	WETLAND 3	Default:	0.00 ft
To Node:	WETLAND 4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	24.84 ft	Discharge Coefficients	
Control Elevation:	25.50 ft	Weir Default:	2.800
Cross Section:	OW-WETLAND 3-WETLAND 4	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: OW-WETLAND 4-DS EAST

Scenario:	Scenario1
From Node:	WETLAND 4
To Node:	DS EAST
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	24.84 ft
Control Elevation:	25.40 ft
Cross Section:	OW-WETLAND 4-DS EAST

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: OW-WETLAND 4-WETLAND 5

Scenario:	Scenario1
From Node:	WETLAND 4
To Node:	WETLAND 5
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	24.22 ft
Control Elevation:	25.20 ft
Cross Section:	OW-WETLAND 4-WETLAND 5

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: OW-WETLAND 5-WETLAND 7

Scenario:	Scenario1
From Node:	WETLAND 5
To Node:	WETLAND 7
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	25.08 ft
Control Elevation:	25.16 ft
Cross Section:	OW-WETLAND 5-WETLAND 7

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600

Orifice Table:	

Comment:

Weir Link: OW-WETLAND 6-WETLAND 7			
Scenario:	Scenario1	Bottom Clip	
From Node:	WETLAND 6	Default:	0.00 ft
To Node:	WETLAND 7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	24.74 ft	Discharge Coefficients	
Control Elevation:	25.12 ft	Weir Default:	2.800
Cross Section:	OW-WETLAND 6- WETLAND 7	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Pipe Link: P-DS WEST-DUMMY 1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	23.12 ft	Invert:	23.41 ft
From Node:	DS WEST	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	DUMMY 1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0100 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	31.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-EB OUTFALL DMY-EB TW		Upstream		Downstream	
Scenario:	Scenario1	Invert:	21.95 ft	Invert:	21.84 ft
From Node:	EB OUTFALL DUMMY	Manning's N:	0.0120	Manning's N:	0.0120
		Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
To Node:	EB TAILWATER	Max Depth:	3.17 ft	Max Depth:	3.17 ft

Link Count:	2	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0100 ft	Op Table:		Op Table:	
Length:	36.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.50	Top Clip			
Exit Loss Coef:	1.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: P1-W7-EB DM		Upstream		Downstream	
Scenario:	Scenario1	Invert:	23.65 ft	Invert:	23.75 ft
From Node:	WETLAND 7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EB TAILWATER	Geometry: Circular		Geometry: Circular	
Link Count:	2	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0100 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	31.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: P2-W7-EB DMY		Upstream		Downstream	
Scenario:	Scenario1	Invert:	24.16 ft	Invert:	24.14 ft
From Node:	WETLAND 7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EB TAILWATER	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	2.83 ft	Max Depth:	2.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0100 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	31.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: P3-W7-EB DM		Upstream		Downstream	
Scenario:	Scenario1	Invert:	23.41 ft	Invert:	23.41 ft
From Node:	WETLAND 7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EB TAILWATER	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0100 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	31.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P4-W7-EB DMY		Upstream		Downstream	
Scenario:	Scenario1	Invert:	22.84 ft	Invert:	22.76 ft
From Node:	WETLAND 7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EB TAILWATER	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0100 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	31.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P5-W7-EB DMY		Upstream		Downstream	
Scenario:	Scenario1	Invert:	22.75 ft	Invert:	22.68 ft
From Node:	WETLAND 7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EB TAILWATER	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0100 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	31.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			

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

Comment:

Simulation: 025Y072H

Scenario: Scenario1
Run Date/Time: 5/4/2022 12:26:48 PM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

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

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	30.0000
0	0	0	48.0000	15.0000
0	0	0	55.0000	10.0000
0	0	0	61.0000	15.0000
0	0	0	72.0000	60.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	30.0000
0	0	0	48.0000	15.0000
0	0	0	55.0000	10.0000
0	0	0	61.0000	15.0000
0	0	0	72.0000	60.0000

Groundwater

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

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 25yr
Extern Hydrograph Set:
Curve Number Set: CN
Green-Ampt Set: Green-Ampt
Vertical Layers Set:
Impervious Set: Impervious
Roughness Set: Roughness
Crop Coef Set:
Fillable Porosity Set: Porosity
Conductivity Set: Conductivity
Leakage Set: Leakage

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 2.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 100 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: ~SFWMD-72
Rainfall Amount: 10.60 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Relative Time [hrs]	Recharge Volume [ac_ft]
0.0000	0.00
1.0000	1.06
2.0000	2.77
3.0000	5.76
4.0000	8.94
5.0000	12.20
6.0000	15.55
7.0000	19.03
8.0000	22.61
9.0000	25.96
10.0000	29.37
11.0000	32.85
12.0000	36.41
13.0000	39.99
14.0000	43.75
15.0000	47.45
16.0000	51.24
17.0000	55.09
18.0000	58.96
19.0000	62.86
20.0000	66.76
21.0000	70.69
22.0000	74.64
23.0000	78.61
24.0000	82.58
25.0000	86.95
26.0000	91.53
27.0000	96.23
28.0000	101.00
29.0000	105.78
30.0000	110.55
31.0000	115.35
32.0000	120.13
33.0000	124.90
34.0000	129.67
35.0000	134.45
36.0000	139.22
37.0000	143.98
38.0000	148.74
39.0000	153.54
40.0000	158.40
41.0000	163.31

Relative Time [hrs]	Recharge Volume [ac_ft]
42.0000	168.12
43.0000	172.92
44.0000	177.66
45.0000	182.49
46.0000	187.25
47.0000	191.92
48.0000	196.65
49.0000	201.55
50.0000	206.41
51.0000	211.59
52.0000	217.01
53.0000	223.28
54.0000	230.75
55.0000	239.02
56.0000	248.52
57.0000	259.44
58.0000	271.86
59.0000	286.28
60.0000	349.93
61.0000	378.15
62.0000	395.44
63.0000	407.91
64.0000	419.02
65.0000	427.79
66.0000	436.40
67.0000	445.00
68.0000	453.47
69.0000	461.18
70.0000	469.26
71.0000	477.36
72.0000	485.22
73.0000	491.17
74.0000	497.17
75.0000	503.24
76.0000	509.13
77.0000	515.02
78.0000	520.91
79.0000	526.79
80.0000	532.68
81.0000	538.56
82.0000	544.44
83.0000	550.32

Relative Time [hrs]	Recharge Volume [ac_ft]
84.0000	556.20
85.0000	562.07
86.0000	567.95
87.0000	573.74
88.0000	579.37
89.0000	585.00
90.0000	590.63
91.0000	596.25
92.0000	601.81
93.0000	607.21
94.0000	612.61
95.0000	618.02
96.0000	623.43
97.0000	628.75
98.0000	634.08
99.0000	639.41
100.0000	644.75
101.0000	650.09
102.0000	655.44
103.0000	660.79
104.0000	666.14
105.0000	671.50
106.0000	676.87
107.0000	682.23
108.0000	687.61
109.0000	692.99
110.0000	698.37
111.0000	703.75
112.0000	709.13
113.0000	714.51
114.0000	719.90
115.0000	725.28
116.0000	730.66
117.0000	736.04
118.0000	741.42
119.0000	746.81
120.0000	752.20
121.0000	757.57
122.0000	762.91
123.0000	768.23
124.0000	773.52
125.0000	778.80

Relative Time [hrs]	Recharge Volume [ac_ft]
126.0000	784.06
127.0000	789.32
128.0000	794.58
129.0000	799.82
130.0000	805.10
131.0000	810.37
132.0000	815.63
133.0000	820.88
134.0000	826.13
135.0000	831.37
136.0000	836.61
137.0000	841.84
138.0000	847.02
139.0000	852.24
140.0000	857.44
141.0000	862.61
142.0000	867.78
143.0000	872.96
144.0000	878.13
145.0000	883.30
146.0000	888.48
147.0000	893.66
148.0000	898.84
149.0000	904.00
150.0000	909.17
151.0000	914.35
152.0000	919.52
153.0000	924.69
154.0000	929.86
155.0000	935.03
156.0000	940.13
157.0000	945.22
158.0000	950.31
159.0000	955.40
160.0000	960.47
161.0000	965.48
162.0000	970.47
163.0000	975.45
164.0000	980.42
165.0000	985.35
166.0000	990.14
167.0000	994.85

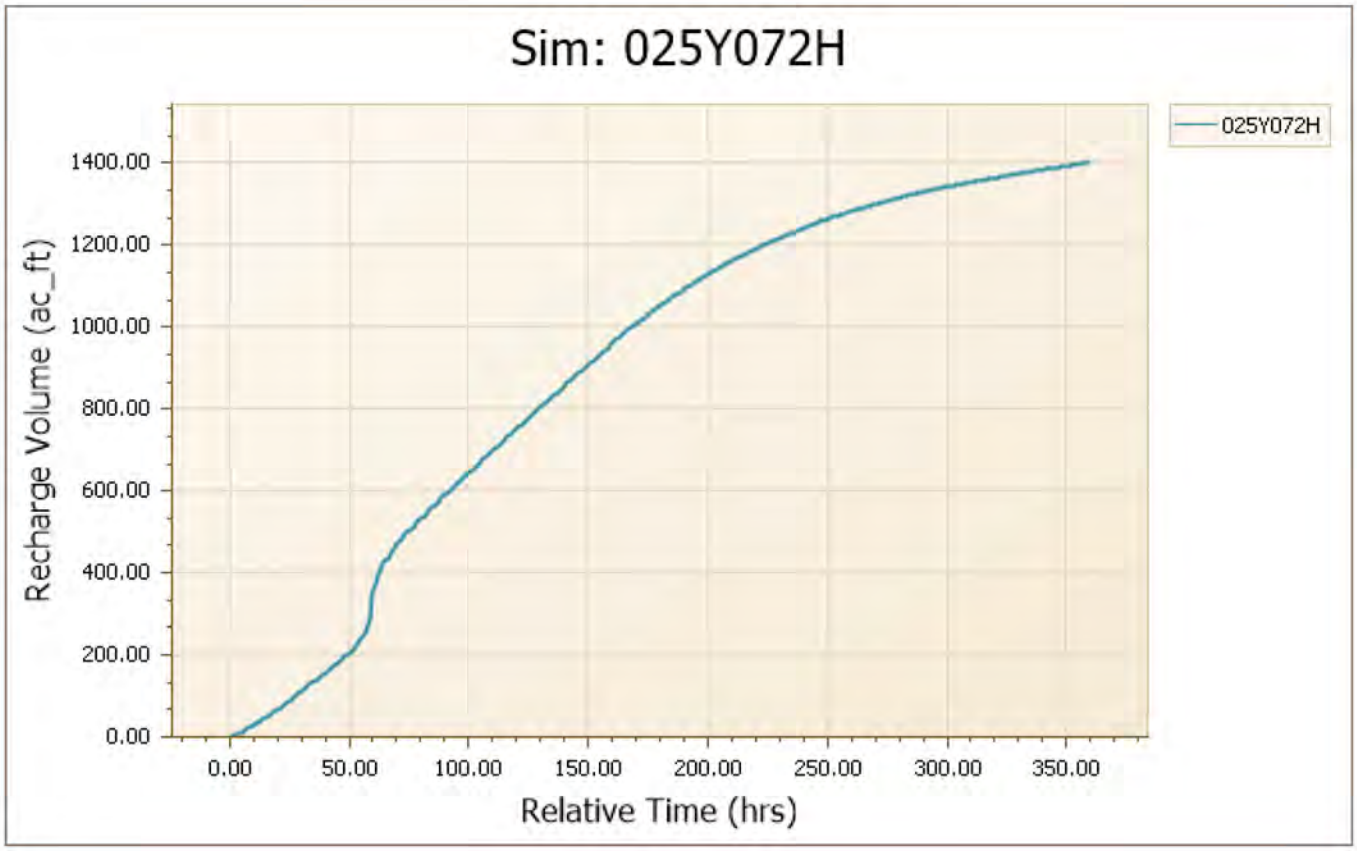
Relative Time [hrs]	Recharge Volume [ac_ft]
168.0000	999.53
169.0000	1004.18
170.0000	1008.81
171.0000	1013.44
172.0000	1018.05
173.0000	1022.60
174.0000	1027.14
175.0000	1031.65
176.0000	1036.14
177.0000	1040.57
178.0000	1044.84
179.0000	1049.04
180.0000	1053.21
181.0000	1057.37
182.0000	1061.49
183.0000	1065.52
184.0000	1069.53
185.0000	1073.53
186.0000	1077.50
187.0000	1081.45
188.0000	1085.40
189.0000	1089.26
190.0000	1093.09
191.0000	1096.92
192.0000	1100.75
193.0000	1104.59
194.0000	1108.38
195.0000	1112.14
196.0000	1115.90
197.0000	1119.67
198.0000	1123.37
199.0000	1127.05
200.0000	1130.67
201.0000	1134.02
202.0000	1137.26
203.0000	1140.48
204.0000	1143.69
205.0000	1146.90
206.0000	1150.07
207.0000	1153.21
208.0000	1156.32
209.0000	1159.41

Relative Time [hrs]	Recharge Volume [ac_ft]
210.0000	1162.48
211.0000	1165.48
212.0000	1168.37
213.0000	1171.26
214.0000	1174.14
215.0000	1177.03
216.0000	1179.91
217.0000	1182.81
218.0000	1185.69
219.0000	1188.56
220.0000	1191.43
221.0000	1194.24
222.0000	1196.93
223.0000	1199.58
224.0000	1202.22
225.0000	1204.86
226.0000	1207.49
227.0000	1210.12
228.0000	1212.74
229.0000	1215.35
230.0000	1217.97
231.0000	1220.55
232.0000	1223.11
233.0000	1225.65
234.0000	1228.18
235.0000	1230.71
236.0000	1233.25
237.0000	1235.76
238.0000	1238.26
239.0000	1240.76
240.0000	1243.25
241.0000	1245.73
242.0000	1248.13
243.0000	1250.48
244.0000	1252.72
245.0000	1254.96
246.0000	1257.14
247.0000	1259.19
248.0000	1261.09
249.0000	1262.95
250.0000	1264.79
251.0000	1266.61

Relative Time [hrs]	Recharge Volume [ac_ft]
252.0000	1268.43
253.0000	1270.24
254.0000	1272.05
255.0000	1273.84
256.0000	1275.63
257.0000	1277.41
258.0000	1279.17
259.0000	1280.94
260.0000	1282.70
261.0000	1284.46
262.0000	1286.22
263.0000	1287.98
264.0000	1289.73
265.0000	1291.48
266.0000	1293.23
267.0000	1294.97
268.0000	1296.70
269.0000	1298.41
270.0000	1300.09
271.0000	1301.75
272.0000	1303.40
273.0000	1305.03
274.0000	1306.62
275.0000	1308.20
276.0000	1309.74
277.0000	1311.26
278.0000	1312.77
279.0000	1314.28
280.0000	1315.78
281.0000	1317.28
282.0000	1318.76
283.0000	1320.24
284.0000	1321.71
285.0000	1323.16
286.0000	1324.61
287.0000	1326.03
288.0000	1327.42
289.0000	1328.77
290.0000	1330.12
291.0000	1331.47
292.0000	1332.77
293.0000	1334.07

Relative Time [hrs]	Recharge Volume [ac_ft]
294.0000	1335.37
295.0000	1336.59
296.0000	1337.78
297.0000	1338.98
298.0000	1340.13
299.0000	1341.25
300.0000	1342.37
301.0000	1343.48
302.0000	1344.59
303.0000	1345.71
304.0000	1346.84
305.0000	1347.97
306.0000	1349.10
307.0000	1350.25
308.0000	1351.39
309.0000	1352.54
310.0000	1353.68
311.0000	1354.82
312.0000	1355.95
313.0000	1357.08
314.0000	1358.18
315.0000	1359.27
316.0000	1360.34
317.0000	1361.41
318.0000	1362.47
319.0000	1363.52
320.0000	1364.56
321.0000	1365.61
322.0000	1366.65
323.0000	1367.70
324.0000	1368.74
325.0000	1369.79
326.0000	1370.75
327.0000	1371.72
328.0000	1372.68
329.0000	1373.65
330.0000	1374.61
331.0000	1375.57
332.0000	1376.54
333.0000	1377.51
334.0000	1378.47
335.0000	1379.44

Relative Time [hrs]	Recharge Volume [ac_ft]
336.0000	1380.41
337.0000	1381.38
338.0000	1382.34
339.0000	1383.29
340.0000	1384.24
341.0000	1385.20
342.0000	1386.16
343.0000	1387.13
344.0000	1388.10
345.0000	1389.08
346.0000	1390.06
347.0000	1391.03
348.0000	1392.01
349.0000	1392.99
350.0000	1393.97
351.0000	1394.95
352.0000	1395.93
353.0000	1396.91
354.0000	1397.89
355.0000	1398.86
356.0000	1399.83
357.0000	1400.79
358.0000	1401.74
359.0000	1402.68
360.0000	1403.62


Sim: 025Y072H
025Y072H
Recharge Volume (ac_ft)
1400.00
1200.00
1000.00
800.00
600.00
400.00
200.00
0.00
0.00
50.00
100.00
150.00
200.00
250.00
300.00
350.00
Relative Time (hrs)

APPENDIX B

PROPOSED CONDITIONS
ICPR REPORTS

Manual Basin: AirportBasin11

Scenario: Scenario1
Node: AirportBasin11
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 43.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 213.6318 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
213.6318	AirportBasin11	AirportBasin11			

Comment: OUTFALL TO AIRPORT

Manual Basin: SWALE N2

Scenario: Scenario1
Node: Swale N2
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.9200 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9200	SWALE N2	SWALE N2			

Comment:

Manual Basin: SWALE N3

Scenario: Scenario1
Node: Swale N3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.2200 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2200	SWALE N3	SWALE N3			

Comment:

Manual Basin: SWALE N4

Scenario: Scenario1
Node: Swale N4
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.0500 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0500	SWALE N4	SWALE N4			

Comment:

Manual Basin: TC COMMERCIAL

Scenario: Scenario1
Node: TC COMMERCIAL
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.9800 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 39.7700 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
39.7700	OFFSITE 1	OFFSITE 1			

Comment:

Mapped Basin: BASIN 1

Scenario:	Scenario1
Node:	LAKE 1
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	20.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	N/A

Comment:

Mapped Basin: BASIN 10

Scenario:	Scenario1
Node:	LAKE 10B
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	20.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	N/A

Comment:

Mapped Basin: BASIN 11

Scenario:	Scenario1
Node:	LAKE 11
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	20.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	N/A

Comment:

Mapped Basin: BASIN 12

Scenario:	Scenario1
Node:	LAKE 12A
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	20.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	N/A

Comment:

Mapped Basin: BASIN 13

Scenario:	Scenario1
Node:	LAKE 13
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	20.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	N/A

Comment:

Mapped Basin: BASIN 14

Scenario:	Scenario1
Node:	LAKE 14
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	20.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	N/A

Comment:

Mapped Basin: BASIN 2

Scenario:	Scenario1
Node:	LAKE 2
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	20.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	N/A

Comment:

Mapped Basin: BASIN 3

Scenario:	Scenario1
Node:	LAKE 3
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	20.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	N/A

Comment:

Mapped Basin: BASIN 4

Scenario:	Scenario1
Node:	LAKE 4
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	20.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	N/A

Comment:

Mapped Basin: BASIN 5

Scenario:	Scenario1
Node:	LAKE 5
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	20.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	N/A

Comment:

Mapped Basin: BASIN 6

Scenario:	Scenario1
Node:	LAKE 6
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	20.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	N/A

Comment:

Mapped Basin: BASIN 7

Scenario:	Scenario1
Node:	LAKE 7A
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	20.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	N/A

Comment:

Mapped Basin: BASIN 8

Scenario:	Scenario1
Node:	LAKE 8
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	20.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	N/A

Comment:

Mapped Basin: BASIN 9

Scenario:	Scenario1
Node:	LAKE 9A
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	20.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	N/A

Comment:

Mapped Basin: C1A

Scenario:	Scenario1
Node:	C1
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	20.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	34.1486 ac

Comment:

Mapped Basin: C1B

Scenario:	Scenario1
Node:	C1
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	20.0000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	7.3622 ac

Comment:

Mapped Basin: PRESERVE 1

Scenario:	Scenario1
Node:	Preserve 1
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	158.8900 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	N/A

Comment:

Mapped Basin: WETLAND 1

Scenario:	Scenario1
Node:	WETLAND 1
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	111.3700 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	N/A

Comment:

Mapped Basin: WETLAND 2

Scenario:	Scenario1
Node:	WETLAND 2
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	165.8600 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	N/A

Comment:

Mapped Basin: WETLAND 3

Scenario:	Scenario1
Node:	WETLAND 3
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	38.8700 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	N/A

Comment:

Mapped Basin: WETLAND 4

Scenario:	Scenario1
Node:	WETLAND 4
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	57.4400 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	N/A

Comment:

Mapped Basin: WETLAND 5

Scenario:	Scenario1
Node:	WETLAND 5
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	100.3800 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	N/A

Comment:

Mapped Basin: WETLAND 6

Scenario:	Scenario1
Node:	WETLAND 6
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	94.8700 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	N/A

Comment:

Mapped Basin: WETLAND 7

Scenario:	Scenario1
Node:	WETLAND 7
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	147.7000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	N/A

Comment:

Mapped Basin: WETLAND 8

Scenario:	Scenario1
Node:	WETLAND 8
Hydrograph Method:	NRCS Unit Hydrograph
Time of Concentration:	335.2000 min
Max Allowable Q:	9999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH484
Peaking Factor:	484.0
Area:	N/A

Comment:

Curve Number: CN [Set]

Land Cover Zone	Soil Zone	Curve Number [dec]
AirportBasin11	AirportBasin11	95.5
OFFSITE 1	OFFSITE 1	95.9
SWALE N2	SWALE N2	98.0
SWALE N3	SWALE N3	98.0
SWALE N4	SWALE N4	98.0

Impervious: Impervious [Set]

Land Cover Zone	% Impervious	% DCIA	% Direct	Ia Impervious [in]	Ia Pervious [in]
AirportBasin11	0.00	0.00	0.00	0.000	0.000
Develop	70.00	29.80	0.00	0.000	0.000
Lake	98.00	98.00	0.00	0.000	0.000
OFFSITE 1	0.00	0.00	0.00	0.000	0.000
Preserve	0.00	0.00	0.00	0.000	0.000
SWALE N2	0.00	0.00	0.00	0.000	0.000
SWALE N3	0.00	0.00	0.00	0.000	0.000
SWALE N4	0.00	0.00	0.00	0.000	0.000

Green-Ampt: Green-Ampt [Set]

Soil Zone	Kv Saturated [fpd]	MC Saturated [dec]	MC Residual [dec]	MC Initial [dec]	MC Field [dec]	MC Wilting [dec]
Anclote sand, frequently ponded, 0 to 1 percent slopes	24.456	0.4364	0.0190	0.1140	0.1140	0.0380
Brynwood fine sand, wet, 0 to 2 percent slopes	20.095	0.4000	0.0140	0.0880	0.0880	0.0280
Cypress Lake fine sand, 0 to 2 percent slopes	21.843	0.4211	0.0175	0.0980	0.0980	0.0350
Cypress Lake fine sand-Urban land complex, 0 to 2 percent slopes	21.653	0.4716	0.0125	0.0680	0.0680	0.0250
EauGallie sand, 0 to 2 percent slopes	20.654	0.4034	0.0290	0.1290	0.1290	0.0580
Felda fine sand, 0 to 2 percent slopes	23.611	0.4187	0.0210	0.1080	0.1080	0.0420
Felda fine sand, frequently ponded, 0 to 1 percent slopes	21.990	0.4659	0.0260	0.1210	0.1210	0.0520
Felda fine sand, ponded-Urban land complex, 0 to 1 percent slopes	21.187	0.4721	0.0175	0.0780	0.0780	0.0350
Floridana sand, frequently ponded, 0 to 2	9.397	0.4921	0.0655	0.2090	0.2090	0.1310

Soil Zone	Kv Saturated [fpd]	MC Saturated [dec]	MC Residual [dec]	MC Initial [dec]	MC Field [dec]	MC Wilting [dec]
percent slopes						
Floridana sand, ponded-Urban land complex, 0 to 1 percent slopes	10.094	0.4872	0.0385	0.1270	0.1270	0.0770
Gator muck, frequently ponded, 0 to 1 percent slopes	10.226	0.5055	0.0520	0.2630	0.2630	0.1040
Gator muck, ponded-Urban land complex, 0 to 1 percent slopes	12.641	0.5285	0.0320	0.1670	0.1670	0.0640
Immokalee sand, 0 to 2 percent slopes	21.534	0.4261	0.0170	0.0910	0.0910	0.0340
Immokalee sand-Urban land complex, 0 to 2 percent slopes	22.478	0.4260	0.0115	0.0610	0.0610	0.0230
Malabar fine sand, 0 to 2 percent slopes	21.834	0.4510	0.0265	0.1260	0.1260	0.0530
Malabar fine sand, frequently ponded, 0 to 1 percent slopes	22.129	0.4601	0.0265	0.1270	0.1270	0.0530
Malabar fine sand, high, 0 to 2 percent slopes	21.629	0.4730	0.0275	0.1290	0.1290	0.0550
Malabar fine sand, high-Urban	21.326	0.4890	0.0170	0.0800	0.0800	0.0340

Soil Zone	Kv Saturated [fpd]	MC Saturated [dec]	MC Residual [dec]	MC Initial [dec]	MC Field [dec]	MC Wilting [dec]
land complex, 0 to 2 percent slopes						
Malabar fine sand, ponded-Urban land complex, 0 to 1 percent slopes	22.088	0.4850	0.0155	0.0760	0.0760	0.0310
Malabar fine sand-Urban land complex, 0 to 2 percent slopes	21.656	0.4820	0.0165	0.0770	0.0770	0.0330
Myakka fine sand, 0 to 2 percent slopes	22.759	0.4209	0.0175	0.0970	0.0970	0.0350
Myakka fine sand, frequently ponded, 0 to 1 percent slopes	22.686	0.4685	0.0185	0.0970	0.0970	0.0370
Myakka fine sand, ponded-Urban land complex, 0 to 1 percent slopes	22.680	0.4896	0.0115	0.0600	0.0600	0.0230
Oldsmar sand, 0 to 2 percent slopes	14.763	0.4439	0.0415	0.1500	0.1500	0.0830
Oldsmar sand-Urban land, 0 to 2 percent slopes	15.582	0.4897	0.0245	0.0900	0.0900	0.0490
Pineda fine sand,	15.534	0.4790	0.0290	0.1270	0.1270	0.0580

Soil Zone	Kv Saturated [fpd]	MC Saturated [dec]	MC Residual [dec]	MC Initial [dec]	MC Field [dec]	MC Wilting [dec]
frequently ponded, 0 to 1 percent slopes						
Pineda fine sand, ponded-Urban land complex, 0 to 1 percent slopes	15.927	0.4980	0.0170	0.0760	0.0760	0.0340
Pineda fine sand-Urban land complex, 0 to 2 percent slopes	17.717	0.4933	0.0165	0.0780	0.0780	0.0330
Pineda-Pineda, wet, fine sand, 0 to 2 percent slopes	17.157	0.4304	0.0250	0.1170	0.1170	0.0500
Pompano fine sand, 0 to 2 percent slopes	25.339	0.4056	0.0075	0.0650	0.0650	0.0150
Pompano fine sand, frequently ponded, 0 to 1 percent slopes	25.933	0.4334	0.0095	0.0730	0.0730	0.0190
Smyrna fine sand, 0 to 2 percent slopes	24.374	0.4565	0.0140	0.0890	0.0890	0.0280
Terra Ceia muck, frequently ponded, 0 to 1 percent slopes	24.701	0.6777	0.0491	0.4950	0.4950	0.1140
Valkaria fine sand, 0 to 2 percent slopes	25.937	0.4144	0.0100	0.0770	0.0770	0.0200
Valkaria fine	25.998	0.4425	0.0095	0.0760	0.0760	0.0190

Soil Zone	Kv Saturated [fpd]	MC Saturated [dec]	MC Residual [dec]	MC Initial [dec]	MC Field [dec]	MC Wilting [dec]
sand, frequently ponded, 0 to 1 percent slopes						
Valkaria fine sand, ponded-Urban land complex, 0 to 1 percent slopes	25.940	0.4993	0.0060	0.0450	0.0450	0.0120
Water	21.534	0.4261	0.0170	0.0910	0.0910	0.0340

Soil Zone	Pore Size Index [dec]	Bubble Pressure [in]	Allow Recharge	WT Initial [ft]	Layer Thickness [ft]	# of Cells per Layer
Anclote sand, frequently ponded, 0 to 1 percent slopes	0.55	1.287	Yes	0.26	0.00	0
Brynwood fine sand, wet, 0 to 2 percent slopes	0.57	1.854	Yes	0.56	0.00	0
Cypress Lake fine sand, 0 to 2 percent slopes	0.53	1.463	Yes	0.95	0.00	0
Cypress Lake fine sand-Urban land complex, 0 to 2 percent slopes	0.52	1.116	Yes	0.98	0.00	0
EauGallie sand, 0 to 2 percent slopes	0.50	1.809	Yes	1.02	0.00	0
Felda fine sand, 0 to 2 percent slopes	0.52	1.385	Yes	0.98	0.00	0
Felda fine sand, frequently	0.48	1.093	Yes	0.30	0.00	0

Soil Zone	Pore Size Index [dec]	Bubble Pressure [in]	Allow Recharge	WT Initial [ft]	Layer Thickness [ft]	# of Cells per Layer
ponded, 0 to 1 percent slopes						
Felda fine sand, ponded-Urban land complex, 0 to 1 percent slopes	0.47	1.070	Yes	0.36	0.00	0
Floridana sand, frequently ponded, 0 to 2 percent slopes	0.34	1.665	Yes	0.26	0.00	0
Floridana sand, ponded-Urban land complex, 0 to 1 percent slopes	0.35	1.646	Yes	0.30	0.00	0
Gator muck, frequently ponded, 0 to 1 percent slopes	0.39	1.232	Yes	0.07	0.00	0
Gator muck, ponded-Urban land complex, 0 to 1 percent slopes	0.40	1.035	Yes	0.30	0.00	0
Immokalee sand, 0 to 2 percent slopes	0.56	1.335	Yes	1.08	0.00	0
Immokalee sand-Urban land complex, 0 to 2 percent slopes	0.55	1.337	Yes	1.08	0.00	0
Malabar fine sand, 0 to 2	0.49	1.304	Yes	0.98	0.00	0

Soil Zone	Pore Size Index [dec]	Bubble Pressure [in]	Allow Recharge	WT Initial [ft]	Layer Thickness [ft]	# of Cells per Layer
percent slopes						
Malabar fine sand, frequently ponded, 0 to 1 percent slopes	0.48	1.246	Yes	0.30	0.00	0
Malabar fine sand, high, 0 to 2 percent slopes	0.48	1.163	Yes	0.98	0.00	0
Malabar fine sand, high-Urban land complex, 0 to 2 percent slopes	0.47	1.060	Yes	1.02	0.00	0
Malabar fine sand, ponded-Urban land complex, 0 to 1 percent slopes	0.48	1.088	Yes	0.33	0.00	0
Malabar fine sand-Urban land complex, 0 to 2 percent slopes	0.48	1.092	Yes	1.02	0.00	0
Myakka fine sand, 0 to 2 percent slopes	0.55	1.324	Yes	1.05	0.00	0
Myakka fine sand, frequently ponded, 0 to 1 percent slopes	0.55	1.030	Yes	0.33	0.00	0
Myakka fine sand, ponded-Urban land complex, 0	0.54	0.938	Yes	0.39	0.00	0

Soil Zone	Pore Size Index [dec]	Bubble Pressure [in]	Allow Recharge	WT Initial [ft]	Layer Thickness [ft]	# of Cells per Layer
to 1 percent slopes						
Oldsmar sand, 0 to 2 percent slopes	0.43	1.472	Yes	0.95	0.00	0
Oldsmar sand-Urban land, 0 to 2 percent slopes	0.43	1.085	Yes	0.98	0.00	0
Pineda fine sand, frequently ponded, 0 to 1 percent slopes	0.47	1.058	Yes	0.30	0.00	0
Pineda fine sand, ponded-Urban land complex, 0 to 1 percent slopes	0.47	0.962	Yes	0.33	0.00	0
Pineda fine sand-Urban land complex, 0 to 2 percent slopes	0.49	0.949	Yes	1.02	0.00	0
Pineda-Pineda, wet, fine sand, 0 to 2 percent slopes	0.50	1.337	Yes	0.98	0.00	0
Pompano fine sand, 0 to 2 percent slopes	0.58	1.531	Yes	0.95	0.00	0
Pompano fine sand, frequently ponded, 0 to 1 percent slopes	0.57	1.304	Yes	0.30	0.00	0
Smyrna fine	0.55	1.093	Yes	1.02	0.00	0

Soil Zone	Pore Size Index [dec]	Bubble Pressure [in]	Allow Recharge	WT Initial [ft]	Layer Thickness [ft]	# of Cells per Layer
sand, 0 to 2 percent slopes						
Terra Ceia muck, frequently ponded, 0 to 1 percent slopes	0.45	0.587	Yes	0.30	0.00	0
Valkaria fine sand, 0 to 2 percent slopes	0.57	1.430	Yes	1.02	0.00	0
Valkaria fine sand, frequently ponded, 0 to 1 percent slopes	0.56	1.203	Yes	0.26	0.00	0
Valkaria fine sand, ponded-Urban land complex, 0 to 1 percent slopes	0.55	0.919	Yes	0.30	0.00	0
Water	0.56	1.335	Yes	1.08	0.00	0

Manual Basin: AirportBasin11

Scenario: Scenario1
Node: AirportBasin11
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 43.1000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 213.6318 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
213.6318	AirportBasin11	AirportBasin11			

Comment: OUTFALL TO AIRPORT

Manual Basin: SWALE N2

Scenario: Scenario1
Node: Swale N2
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.9200 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.9200	SWALE N2	SWALE N2			

Comment:

Manual Basin: SWALE N3

Scenario: Scenario1
Node: Swale N3
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 1.2200 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2200	SWALE N3	SWALE N3			

Comment:

Manual Basin: SWALE N4

Scenario: Scenario1
Node: Swale N4
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 0.0500 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.0500	SWALE N4	SWALE N4			

Comment:

Manual Basin: TC COMMERCIAL

Scenario: Scenario1
Node: TC COMMERCIAL
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 24.9800 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 39.7700 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
39.7700	OFFSITE 1	OFFSITE 1			

Comment:

Node: AirportBasin11

Scenario: Scenario1

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 25.00 ft
Warning Stage: 9999.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	25.00
0	0	0	30.0000	25.05
0	0	0	40.0000	25.18
0	0	0	60.0000	25.60
0	0	0	64.0000	26.00
0	0	0	80.0000	26.06
0	0	0	100.0000	26.00
0	0	0	240.0000	25.53
0	0	0	360.0000	25.33
0	0	0	999.0000	25.00

Comment:

Node: C1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.50	5.5188	240400
13.75	5.5395	241300
14.00	5.5609	242233
14.25	5.5865	243350
14.50	5.6451	245900
14.75	5.6753	247217
15.00	5.6939	248025
15.25	5.7078	248633
15.50	5.7329	249725
15.75	5.7568	250767
16.00	5.8861	256400
16.25	5.9052	257230
16.50	5.9246	258075
16.75	5.9487	259125
17.00	5.9700	260055
17.25	5.9879	260833
17.50	6.0461	263367
17.75	6.0702	264420
18.00	6.0859	265100

Stage [ft]	Area [ac]	Area [ft2]
18.25	6.1042	265900
18.50	6.1151	266375
18.75	6.1371	267333
19.00	6.1685	268700
19.25	6.2176	270840
19.50	6.2511	272300
19.75	6.2797	273544
20.00	6.2957	274240
20.25	6.3189	275250
20.50	6.3545	276800
20.75	6.4114	279280
21.00	6.4991	283100
21.25	6.5207	284043
21.50	6.5404	284900
21.75	6.5634	285900
22.00	6.5813	286680
22.25	6.6357	289050
22.50	6.6562	289943
22.75	6.6784	290911
23.00	6.6988	291800
23.25	6.7160	292550
23.50	6.7348	293367
23.75	6.7906	295800
24.00	6.8251	297300
24.25	6.8431	298087
24.50	6.8779	299600
24.75	6.9092	300967
25.00	6.9246	301636
25.25	6.9444	302500
25.50	7.0097	305343
25.75	7.1143	309900
26.00	7.1534	311600
26.25	7.2348	315150
26.50	7.2758	316933
26.75	7.3049	318200
27.00	7.3485	320100
27.25	7.3801	321475
27.50	7.5339	328176
27.75	7.5339	328176

Comment:

Node: DP DMY 1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0001	4
9999.00	0.0001	4

Comment:

Node: DUMMY 1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.20 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0001	4
9999.00	0.0001	4

Comment:

Node: DUMMY 2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.20 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0001	4
9999.00	0.0001	4

Comment:

Node: Daniels Road

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 9999.00 ft
Warning Stage: 9999.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	9999.00
0	0	0	99999.0000	9999.00

Comment: This is a dummy node used to connect a time vs flow rate curve to nodes internal to the development represnting inflows from the equalizer pipes under daniels parkway.

Node: EB OUTFALL DUMMY

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 24.84 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0001	4
9999.00	0.0001	4

Comment:

Node: EB TAILWATER

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 24.84 ft
Warning Stage: 9999.00 ft
Boundary Stage: EB Outfall

Comment:

Node: LAKE 1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.50	0.7989	34800
13.75	0.8115	35350

Stage [ft]	Area [ac]	Area [ft2]
14.00	0.8232	35860
14.25	0.8284	36085
14.50	0.8586	37400
14.75	0.8678	37803
15.00	0.8694	37872
15.25	0.8747	38100
15.50	0.8953	39000
15.75	0.9056	39446
16.00	0.9176	39971
16.25	0.9252	40300
16.50	0.9364	40792
16.75	0.9402	40953
17.00	0.9556	41625
17.25	0.9745	42450
17.50	0.9848	42900
17.75	0.9908	43159
18.00	0.9949	43337
18.25	1.0037	43720
18.50	1.0155	44233
18.75	1.0354	45100
19.00	1.0408	45337
19.25	1.0503	45750
19.50	1.0629	46300
19.75	1.0704	46625
20.00	1.0813	47100
20.25	1.1035	48067
20.50	1.1093	48322
20.75	1.1192	48752
21.00	1.1222	48883
21.25	1.1341	49400
21.50	1.1499	50090
21.75	1.1739	51133
22.00	1.1829	51525
22.25	1.1930	51967
22.50	1.2079	52618
22.75	1.2119	52792
23.00	1.2202	53153
23.25	1.2328	53700
23.50	1.2471	54325
23.75	1.2501	54454
24.00	1.2524	54555
24.25	1.2706	55345
24.50	1.2925	56300
24.75	1.3011	56675
25.00	1.3149	57278
25.25	1.3302	57945
25.50	1.3379	58280
25.75	1.3494	58782
26.00	1.3705	59700

Stage [ft]	Area [ac]	Area [ft2]
26.25	1.3854	60350
26.50	1.4053	61214
26.75	1.4073	61300
27.00	1.4259	62113
27.25	1.4360	62550
27.50	1.5289	66600
27.75	1.5334	66793
28.00	1.5334	66793

Comment:

Node: LAKE 10A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.50	0.7163	31200
13.75	0.7239	31532
14.00	0.7287	31740
14.25	0.7405	32257
14.50	0.7481	32588
14.75	0.7545	32867
15.00	0.7773	33857
15.25	0.7923	34512
15.50	0.8040	35024
15.75	0.8140	35457
16.00	0.8206	35745
16.25	0.8299	36150
16.50	0.8434	36737
16.75	0.8460	36850
17.00	0.8530	37158
17.25	0.8627	37580
17.50	0.8705	37920
17.75	0.8792	38300
18.00	0.8930	38900
18.25	0.9045	39400
18.50	0.9152	39867
18.75	0.9236	40230
19.00	0.9397	40933
19.25	0.9453	41178
19.50	0.9541	41563
19.75	0.9630	41950
20.00	0.9803	42700

Stage [ft]	Area [ac]	Area [ft2]
20.25	0.9866	42978
20.50	1.0022	43655
20.75	1.0116	44067
21.00	1.0193	44400
21.25	1.0285	44800
21.50	1.0415	45367
21.75	1.0491	45700
22.00	1.0612	46225
22.25	1.0808	47080
22.50	1.0937	47640
22.75	1.0992	47880
23.00	1.1063	48189
23.25	1.1176	48683
23.50	1.1200	48788
23.75	1.1303	49236
24.00	1.1504	50111
24.25	1.1544	50287
24.50	1.1619	50614
24.75	1.1700	50967
25.00	1.1925	51944
25.25	1.2081	52625
25.50	1.2213	53200
25.75	1.2902	56200
26.00	1.3522	58900
26.25	1.4325	62400
26.50	1.4991	65300
26.75	1.5771	68700
27.00	1.6376	71333
27.25	1.7160	74750
27.50	1.7952	78200
27.75	1.7956	78216
28.00	1.7956	78216

Comment:

Node: LAKE 10B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.50	1.5702	68400
13.75	1.5725	68496
14.00	1.5978	69600

Stage [ft]	Area [ac]	Area [ft2]
14.25	1.6058	69950
14.50	1.6185	70500
14.75	1.6345	71200
15.00	1.6530	72006
15.25	1.6647	72515
15.50	1.6707	72775
15.75	1.6884	73546
16.00	1.6970	73922
16.25	1.7117	74562
16.50	1.7191	74883
16.75	1.7409	75833
17.00	1.7463	76067
17.25	1.7635	76817
17.50	1.7688	77050
17.75	1.7874	77857
18.00	1.7929	78100
18.25	1.8132	78983
18.50	1.8235	79433
18.75	1.8308	79750
19.00	1.8526	80700
19.25	1.8664	81300
19.50	1.8849	82104
19.75	1.8893	82300
20.00	1.9066	83050
20.25	1.9157	83450
20.50	1.9327	84189
20.75	1.9405	84530
21.00	1.9651	85600
21.25	1.9688	85760
21.50	1.9877	86583
21.75	2.0016	87192
22.00	2.0179	87900
22.25	2.0248	88200
22.50	2.0367	88720
22.75	2.0572	89611
23.00	2.0667	90025
23.25	2.0812	90657
23.50	2.0844	90796
23.75	2.1036	91633
24.00	2.1192	92314
24.25	2.1397	93207
24.50	2.1419	93300
24.75	2.1591	94050
25.00	2.1755	94764
25.25	2.1993	95800
25.50	2.2084	96200
25.75	2.2957	100000
26.00	2.3691	103200
26.25	2.4679	107500

Stage [ft]	Area [ac]	Area [ft2]
26.50	2.5612	111567
26.75	2.6446	115200
27.00	2.7273	118800
27.25	2.7984	121900
27.50	2.9204	127215
27.75	2.9204	127215

Comment:

Node: LAKE 10C

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.50	1.3499	58800
13.75	1.3728	59800
14.00	1.3935	60700
14.25	1.4118	61500
14.50	1.4311	62340
14.75	1.4391	62688
15.00	1.4478	63064
15.25	1.4564	63440
15.50	1.4622	63692
15.75	1.4711	64079
16.00	1.4819	64550
16.25	1.4932	65043
16.50	1.5021	65433
16.75	1.5160	66037
17.00	1.5214	66270
17.25	1.5283	66574
17.50	1.5361	66911
17.75	1.5433	67225
18.00	1.5684	68320
18.25	1.5880	69175
18.50	1.6065	69980
18.75	1.6276	70900
19.00	1.6506	71900
19.25	1.6667	72600
19.50	1.6855	73420
19.75	1.7001	74055
20.00	1.7029	74180
20.25	1.7129	74614
20.50	1.7268	75220

Stage [ft]	Area [ac]	Area [ft2]
20.75	1.7315	75425
21.00	1.7440	75967
21.25	1.7551	76453
21.50	1.7608	76700
21.75	1.7715	77165
22.00	1.7827	77653
22.25	1.7895	77950
22.50	1.7992	78375
22.75	1.8168	79140
23.00	1.8360	79975
23.25	1.8586	80960
23.50	1.8820	81980
23.75	1.8981	82680
24.00	1.9169	83500
24.25	1.9353	84300
24.50	1.9536	85100
24.75	1.9692	85780
25.00	1.9791	86209
25.25	1.9869	86550
25.50	2.0015	87183
25.75	2.0604	89750
26.00	2.1579	94000
26.25	2.2681	98800
26.50	2.3301	101500
26.75	2.4151	105200
27.00	2.5459	110900
27.25	2.6056	113500
27.50	2.7060	117873
27.75	2.7060	117873

Comment:

Node: LAKE 11

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.50	5.7277	249500
13.75	5.7622	251000
14.00	5.8161	253350
14.25	5.8460	254650
14.50	5.8781	256050
14.75	5.9183	257800

Stage [ft]	Area [ac]	Area [ft2]
15.00	5.9527	259300
15.25	5.9998	261350
15.50	6.0445	263300
15.75	6.0778	264750
16.00	6.1180	266500
16.25	6.1578	268233
16.50	6.1967	269929
16.75	6.2305	271400
17.00	6.2695	273100
17.25	6.3177	275200
17.50	6.3590	277000
17.75	6.3981	278700
18.00	6.4463	280800
18.25	6.4847	282475
18.50	6.5152	283800
18.75	6.5572	285633
19.00	6.5932	287200
19.25	6.6322	288900
19.50	6.6713	290600
19.75	6.7057	292100
20.00	6.7571	294340
20.25	6.7964	296050
20.50	6.8274	297400
20.75	6.8587	298767
21.00	6.8962	300400
21.25	6.9481	302660
21.50	6.9972	304800
21.75	7.0248	306000
22.00	7.0753	308200
22.25	7.1235	310300
22.50	7.1616	311960
22.75	7.2084	314000
23.00	7.2423	315475
23.25	7.2750	316900
23.50	7.3148	318633
23.75	7.3508	320200
24.00	7.4013	322400
24.25	7.4323	323750
24.50	7.4690	325350
24.75	7.5161	327400
25.00	7.5597	329300
25.25	7.5964	330900
25.50	7.6332	332500
25.75	7.7181	336200
26.00	7.7961	339600
26.25	7.8719	342900
26.50	7.9285	345367
26.75	7.9683	347100
27.00	8.0280	349700

Stage [ft]	Area [ac]	Area [ft2]
27.25	8.0682	351450
27.50	8.2952	361338
27.75	8.2952	361338

Comment:

Node: LAKE 12A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.50	9.7704	425600
13.75	9.7957	426700
14.00	9.8306	428220
14.25	9.8554	429300
14.50	9.8829	430500
14.75	9.9151	431900
15.00	9.9487	433367
15.25	9.9816	434800
15.50	10.0138	436200
15.75	10.0436	437500
16.00	10.0712	438700
16.25	10.0941	439700
16.50	10.1276	441160
16.75	10.1618	442650
17.00	10.1901	443880
17.25	10.2405	446075
17.50	10.2755	447600
17.75	10.3145	449300
18.00	10.3421	450500
18.25	10.3710	451760
18.50	10.4031	453160
18.75	10.4334	454480
19.00	10.4637	455800
19.25	10.4926	457056
19.50	10.5303	458700
19.75	10.5716	460500
20.00	10.6010	461780
20.25	10.6336	463200
20.50	10.6680	464700
20.75	10.7013	466150
21.00	10.7277	467300
21.25	10.7513	468325

Stage [ft]	Area [ac]	Area [ft2]
21.50	10.7817	469650
21.75	10.8184	471250
22.00	10.8571	472933
22.25	10.8988	474750
22.50	10.9378	476450
22.75	10.9692	477817
23.00	10.9963	479000
23.25	11.0239	480200
23.50	11.0621	481867
23.75	11.0950	483300
24.00	11.1379	485167
24.25	11.1662	486400
24.50	11.2075	488200
24.75	11.2424	489720
25.00	11.2707	490950
25.25	11.3028	492350
25.50	11.3376	493867
25.75	11.3927	496267
26.00	11.4524	498867
26.25	11.5129	501500
26.50	11.5702	504000
26.75	11.6208	506200
27.00	11.6736	508500
27.25	11.7034	509800
27.50	11.8802	517500
27.75	11.8833	517635
28.00	11.8833	517635

Comment:

Node: LAKE 12B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.50	11.3613	494900
13.75	11.3886	496089
14.00	11.4302	497900
14.25	11.4723	499733
14.50	11.5052	501167
14.75	11.5312	502300
15.00	11.5691	503950
15.25	11.6001	505300

Stage [ft]	Area [ac]	Area [ft2]
15.50	11.6460	507300
15.75	11.6753	508575
16.00	11.7096	510071
16.25	11.7573	512150
16.50	11.7969	513875
16.75	11.8365	515600
17.00	11.8716	517125
17.25	11.9100	518800
17.50	11.9490	520500
17.75	11.9835	522000
18.00	12.0202	523600
18.25	12.0615	525400
18.50	12.1074	527400
18.75	12.1476	529150
19.00	12.1832	530700
19.25	12.2084	531800
19.50	12.2436	533333
19.75	12.2731	534614
20.00	12.3198	536650
20.25	12.3582	538325
20.50	12.3901	539714
20.75	12.4082	540500
21.00	12.4564	542600
21.25	12.5046	544700
21.50	12.5517	546750
21.75	12.5861	548250
22.00	12.6232	549867
22.25	12.6515	551100
22.50	12.6997	553200
22.75	12.7502	555400
23.00	12.7811	556743
23.25	12.8168	558300
23.50	12.8558	560000
23.75	12.8876	561383
24.00	12.9262	563067
24.25	12.9637	564700
24.50	13.0039	566450
24.75	13.0435	568175
25.00	13.0739	569500
25.25	13.1162	571343
25.50	13.1428	572500
25.75	13.2300	576300
26.00	13.2897	578900
26.25	13.3494	581500
26.50	13.3999	583700
26.75	13.4458	585700
27.00	13.4933	587767
27.25	13.5308	589400
27.50	13.7734	599969

Stage [ft]	Area [ac]	Area [ft2]
27.75	13.7734	599969

Comment:

Node: LAKE 13

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.50	7.5253	327800
13.75	7.5872	330500
14.00	7.6423	332900
14.25	7.7181	336200
14.50	7.7472	337467
14.75	7.8049	339980
15.00	7.8604	342400
15.25	7.9002	344133
15.50	7.9431	346000
15.75	7.9867	347900
16.00	8.0303	349800
16.25	8.0601	351100
16.50	8.1118	353350
16.75	8.1520	355100
17.00	8.2117	357700
17.25	8.2622	359900
17.50	8.3020	361633
17.75	8.3483	363650
18.00	8.3844	365225
18.25	8.4160	366600
18.50	8.4711	369000
18.75	8.5365	371850
19.00	8.5973	374500
19.25	8.6433	376500
19.50	8.6892	378500
19.75	8.7319	380360
20.00	8.7833	382600
20.25	8.8292	384600
20.50	8.8797	386800
20.75	8.9417	389500
21.00	8.9868	391467
21.25	9.0473	394100
21.50	9.0932	396100
21.75	9.1253	397500

Stage [ft]	Area [ac]	Area [ft2]
22.00	9.1758	399700
22.25	9.2111	401233
22.50	9.2505	402950
22.75	9.2879	404580
23.00	9.3136	405700
23.25	9.3618	407800
23.50	9.4169	410200
23.75	9.4800	412950
24.00	9.5500	416000
24.25	9.6051	418400
24.50	9.6579	420700
24.75	9.7016	422600
25.00	9.7452	424500
25.25	9.7865	426300
25.50	9.8362	428467
25.75	9.9082	431600
26.00	9.9725	434400
26.25	10.0367	437200
26.50	10.0999	439950
26.75	10.1802	443450
27.00	10.2468	446350
27.25	10.3076	449000
27.50	10.5969	461600
27.75	10.6192	462573
28.00	10.6192	462573

Comment:

Node: LAKE 14

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.50	5.7782	251700
13.75	5.8150	253300
14.00	5.8632	255400
14.25	5.9022	257100
14.50	5.9443	258933
14.75	6.0009	261400
15.00	6.0445	263300
15.25	6.0859	265100
15.50	6.1264	266867
15.75	6.1651	268550

Stage [ft]	Area [ac]	Area [ft2]
16.00	6.2052	270300
16.25	6.2415	271880
16.50	6.2867	273850
16.75	6.3186	275240
17.00	6.3613	277100
17.25	6.4084	279150
17.50	6.4539	281133
17.75	6.4888	282650
18.00	6.5220	284100
18.25	6.5680	286100
18.50	6.6047	287700
18.75	6.6552	289900
19.00	6.7167	292580
19.25	6.7530	294160
19.50	6.7943	295960
19.75	6.8381	297867
20.00	6.8687	299200
20.25	6.8980	300475
20.50	6.9449	302520
20.75	6.9959	304740
21.00	7.0271	306100
21.25	7.0611	307580
21.50	7.1174	310033
21.75	7.1648	312100
22.00	7.2153	314300
22.25	7.2544	316000
22.50	7.3041	318167
22.75	7.3309	319333
23.00	7.3760	321300
23.25	7.4265	323500
23.50	7.4656	325200
23.75	7.5069	327000
24.00	7.5436	328600
24.25	7.5826	330300
24.50	7.6217	332000
24.75	7.6648	333880
25.00	7.7083	335775
25.25	7.7479	337500
25.50	7.8007	339800
25.75	7.9086	344500
26.00	7.9695	347150
26.25	8.0303	349800
26.50	8.0900	352400
26.75	8.1359	354400
27.00	8.2071	357500
27.25	8.2453	359167
27.50	8.4917	369900
27.75	8.4920	369911
28.00	8.4920	369911

Comment:

Node: LAKE 2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.50	1.6644	72500
13.75	1.6799	73177
14.00	1.6853	73412
14.25	1.6912	73667
14.50	1.6988	74000
14.75	1.7176	74818
15.00	1.7216	74992
15.25	1.7332	75500
15.50	1.7452	76020
15.75	1.7860	77800
16.00	1.8618	81100
16.25	1.8742	81640
16.50	1.8828	82017
16.75	1.8876	82225
17.00	1.8981	82680
17.25	1.9098	83190
17.50	1.9230	83767
17.75	1.9343	84260
18.00	1.9438	84673
18.25	1.9494	84917
18.50	1.9555	85182
18.75	1.9725	85920
19.00	1.9883	86612
19.25	1.9995	87100
19.50	2.0110	87600
19.75	2.0277	88328
20.00	2.0332	88567
20.25	2.0478	89200
20.50	2.0569	89600
20.75	2.1051	91700
21.00	2.1610	94133
21.25	2.1687	94467
21.50	2.1839	95129
21.75	2.1949	95611
22.00	2.2024	95938
22.25	2.2168	96563

Stage [ft]	Area [ac]	Area [ft2]
22.50	2.2314	97200
22.75	2.2399	97569
23.00	2.2595	98425
23.25	2.2715	98944
23.50	2.2859	99575
23.75	2.2953	99982
24.00	2.3095	100600
24.25	2.3212	101113
24.50	2.3271	101367
24.75	2.3383	101856
25.00	2.3454	102167
25.25	2.3554	102600
25.50	2.3636	102960
25.75	2.4245	105611
26.00	2.4409	106325
26.25	2.4656	107400
26.50	2.4797	108015
26.75	2.4860	108289
27.00	2.5100	109336
27.25	2.5170	109640
27.50	2.6791	116700
27.75	2.6793	116710
28.00	2.6793	116710

Comment:

Node: LAKE 3

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.50	8.3907	365500
13.75	8.4366	367500
14.00	8.4699	368950
14.25	8.5216	371200
14.50	8.5707	373340
14.75	8.6111	375100
15.00	8.6582	377150
15.25	8.7029	379100
15.50	8.7500	381150
15.75	8.7925	383000
16.00	8.8453	385300
16.25	8.9004	387700

Stage [ft]	Area [ac]	Area [ft2]
16.50	8.9532	390000
16.75	9.0025	392150
17.00	9.0473	394100
17.25	9.0955	396200
17.50	9.1563	398850
17.75	9.1988	400700
18.00	9.2493	402900
18.25	9.2856	404480
18.50	9.3320	406500
18.75	9.3756	408400
19.00	9.4164	410180
19.25	9.4674	412400
19.50	9.5106	414280
19.75	9.5615	416500
20.00	9.6044	418367
20.25	9.6534	420500
20.50	9.7016	422600
20.75	9.7461	424540
21.00	9.7911	426500
21.25	9.8427	428750
21.50	9.8967	431100
21.75	9.9449	433200
22.00	10.0054	435833
22.25	10.0562	438050
22.50	10.1079	440300
22.75	10.1412	441750
23.00	10.1928	444000
23.25	10.2502	446500
23.50	10.2973	448550
23.75	10.3421	450500
24.00	10.3739	451886
24.25	10.4201	453900
24.50	10.4683	456000
24.75	10.5165	458100
25.00	10.5659	460250
25.25	10.6084	462100
25.50	10.6680	464700
25.75	10.7323	467500
26.00	10.8219	471400
26.25	10.8930	474500
26.50	10.9879	478633
26.75	11.0491	481300
27.00	11.1203	484400
27.25	11.1869	487300
27.50	11.4456	498569
27.75	11.4456	498569

Comment:

Node: LAKE 4

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.50	3.1313	136400
13.75	3.1680	138000
14.00	3.1892	138920
14.25	3.2076	139725
14.50	3.2273	140583
14.75	3.2484	141500
15.00	3.2530	141700
15.25	3.2684	142371
15.50	3.2886	143250
15.75	3.3035	143900
16.00	3.3235	144771
16.25	3.3408	145525
16.50	3.3632	146500
16.75	3.3896	147650
17.00	3.4047	148309
17.25	3.4197	148960
17.50	3.4401	149850
17.75	3.4550	150500
18.00	3.4738	151320
18.25	3.4935	152175
18.50	3.5216	153400
18.75	3.5514	154700
19.00	3.5801	155950
19.25	3.5950	156600
19.50	3.6147	157457
19.75	3.6366	158410
20.00	3.6437	158720
20.25	3.6565	159276
20.50	3.6849	160514
20.75	3.7052	161400
21.00	3.7225	162150
21.25	3.7460	163175
21.50	3.7655	164025
21.75	3.7810	164700
22.00	3.8017	165600
22.25	3.8189	166350
22.50	3.8379	167180
22.75	3.8499	167700
23.00	3.8694	168550
23.25	3.8935	169600
23.50	3.9272	171067
23.75	3.9601	172500

Stage [ft]	Area [ac]	Area [ft2]
24.00	3.9848	173580
24.25	4.0037	174400
24.50	4.0197	175100
24.75	4.0409	176023
25.00	4.0511	176467
25.25	4.0680	177200
25.50	4.0955	178400
25.75	4.1340	180075
26.00	4.1701	181650
26.25	4.1978	182857
26.50	4.2279	184167
26.75	4.2447	184900
27.00	4.2654	185800
27.25	4.2998	187300
27.50	4.4292	192936
27.75	4.4292	192936

Comment:

Node: LAKE 5

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.50	4.1873	182400
13.75	4.2218	183900
14.00	4.2585	185500
14.25	4.2987	187250
14.50	4.3297	188600
14.75	4.3664	190200
15.00	4.3989	191617
15.25	4.4230	192667
15.50	4.4525	193950
15.75	4.4898	195575
16.00	4.5202	196900
16.25	4.5523	198300
16.50	4.5753	199300
16.75	4.6155	201050
17.00	4.6625	203100
17.25	4.6993	204700
17.50	4.7280	205950
17.75	4.7739	207950
18.00	4.8049	209300

Stage [ft]	Area [ac]	Area [ft2]
18.25	4.8416	210900
18.50	4.8768	212433
18.75	4.9097	213867
19.00	4.9388	215133
19.25	4.9782	216850
19.50	5.0264	218950
19.75	5.0497	219967
20.00	5.0803	221300
20.25	5.1159	222850
20.50	5.1485	224267
20.75	5.1860	225900
21.00	5.2198	227375
21.25	5.2502	228700
21.50	5.2841	230175
21.75	5.3329	232300
22.00	5.3696	233900
22.25	5.3844	234543
22.50	5.4224	236200
22.75	5.4660	238100
23.00	5.5022	239675
23.25	5.5280	240800
23.50	5.5693	242600
23.75	5.6107	244400
24.00	5.6503	246125
24.25	5.6899	247850
24.50	5.7208	249200
24.75	5.7495	250450
25.00	5.7725	251450
25.25	5.8012	252700
25.50	5.8299	253950
25.75	5.8804	256150
26.00	5.9298	258300
26.25	5.9747	260260
26.50	6.0239	262400
26.75	6.0721	264500
27.00	6.1218	266667
27.25	6.1559	268150
27.50	6.4357	280338
27.75	6.4357	280338

Comment:

Node: LAKE 6

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.50	3.3287	145000
13.75	3.3437	145650
14.00	3.3604	146380
14.25	3.3770	147100
14.50	3.3936	147825
14.75	3.4252	149200
15.00	3.4590	150675
15.25	3.4879	151933
15.50	3.5065	152743
15.75	3.5331	153900
16.00	3.5649	155286
16.25	3.5782	155867
16.50	3.5923	156480
16.75	3.6054	157050
17.00	3.6226	157800
17.25	3.6391	158520
17.50	3.6501	159000
17.75	3.6688	159814
18.00	3.6869	160600
18.25	3.6974	161060
18.50	3.7133	161750
18.75	3.7360	162740
19.00	3.7511	163400
19.25	3.7718	164300
19.50	3.7851	164880
19.75	3.8177	166300
20.00	3.8560	167967
20.25	3.8843	169200
20.50	3.9015	169950
20.75	3.9348	171400
21.00	3.9582	172420
21.25	3.9733	173075
21.50	3.9886	173743
21.75	4.0029	174367
22.00	4.0278	175450
22.25	4.0377	175882
22.50	4.0551	176640
22.75	4.0700	177291
23.00	4.0909	178200
23.25	4.1001	178600
23.50	4.1200	179467
23.75	4.1440	180514
24.00	4.1582	181133
24.25	4.1717	181720
24.50	4.1908	182550
24.75	4.2241	184000

Stage [ft]	Area [ac]	Area [ft2]
25.00	4.2600	185567
25.25	4.2860	186700
25.50	4.3090	187700
25.75	4.3641	190100
26.00	4.3893	191200
26.25	4.4073	191980
26.50	4.4238	192700
26.75	4.4380	193320
27.00	4.4566	194129
27.25	4.4720	194800
27.50	4.6373	202000
27.75	4.6392	202086
28.00	4.6392	202086

Comment:

Node: LAKE 7A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.50	8.2714	360300
13.75	8.3012	361600
14.00	8.3517	363800
14.25	8.3976	365800
14.50	8.4458	367900
14.75	8.4917	369900
15.00	8.5462	372271
15.25	8.5950	374400
15.50	8.6410	376400
15.75	8.6857	378350
16.00	8.7290	380233
16.25	8.7730	382150
16.50	8.8170	384067
16.75	8.8682	386300
17.00	8.9073	388000
17.25	8.9608	390333
17.50	9.0213	392967
17.75	9.0691	395050
18.00	9.1131	396967
18.25	9.1598	399000
18.50	9.2026	400867
18.75	9.2355	402300

Stage [ft]	Area [ac]	Area [ft2]
19.00	9.2837	404400
19.25	9.3205	406000
19.50	9.3687	408100
19.75	9.4146	410100
20.00	9.4697	412500
20.25	9.5202	414700
20.50	9.5631	416567
20.75	9.6086	418550
21.00	9.6591	420750
21.25	9.7039	422700
21.50	9.7590	425100
21.75	9.8064	427167
22.00	9.8382	428550
22.25	9.9139	431850
22.50	9.9587	433800
22.75	10.0073	435920
23.00	10.0318	436986
23.25	10.0918	439600
23.50	10.1316	441333
23.75	10.1722	443100
24.00	10.2301	445625
24.25	10.2617	447000
24.50	10.3019	448750
24.75	10.3547	451050
25.00	10.4040	453200
25.25	10.4523	455300
25.50	10.4913	457000
25.75	10.5624	460100
26.00	10.6451	463700
26.25	10.7208	467000
26.50	10.8098	470875
26.75	10.8716	473567
27.00	10.9217	475750
27.25	10.9864	478567
27.50	11.2603	490500
27.75	11.2758	491172
28.00	11.2758	491172

Comment:

Node: LAKE 7B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.50	2.5230	109900
13.75	2.5402	110650
14.00	2.5517	111153
14.25	2.5704	111967
14.50	2.5811	112433
14.75	2.6010	113300
15.00	2.6194	114100
15.25	2.6309	114600
15.50	2.6477	115333
15.75	2.6623	115971
16.00	2.6733	116450
16.25	2.6928	117300
16.50	2.7126	118160
16.75	2.7388	119300
17.00	2.7500	119792
17.25	2.7609	120267
17.50	2.7759	120920
17.75	2.7938	121700
18.00	2.8212	122891
18.25	2.8421	123800
18.50	2.8530	124275
18.75	2.8627	124700
19.00	2.8841	125633
19.25	2.9017	126400
19.50	2.9146	126958
19.75	2.9333	127773
20.00	2.9529	128629
20.25	2.9687	129317
20.50	2.9764	129650
20.75	2.9982	130600
21.00	3.0184	131480
21.25	3.0297	131973
21.50	3.0538	133025
21.75	3.0774	134050
22.00	3.0886	134540
22.25	3.1006	135060
22.50	3.1164	135750
22.75	3.1459	137037
23.00	3.1719	138167
23.25	3.1818	138600
23.50	3.1956	139200
23.75	3.2066	139679
24.00	3.2266	140550
24.25	3.2478	141475
24.50	3.2659	142263
24.75	3.2831	143012
25.00	3.2966	143600
25.25	3.3108	144220

Stage [ft]	Area [ac]	Area [ft2]
25.50	3.3310	145100
25.75	3.3606	146386
26.00	3.3999	148100
26.25	3.4206	149000
26.50	3.4596	150700
26.75	3.4904	152042
27.00	3.4984	152390
27.25	3.4984	152390

Comment:

Node: LAKE 8

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.50	16.6736	726300
13.75	16.7570	729933
14.00	16.8572	734300
14.25	16.9376	737800
14.50	17.0340	742000
14.75	17.1120	745400
15.00	17.1993	749200
15.25	17.2842	752900
15.50	17.3714	756700
15.75	17.4564	760400
16.00	17.5505	764500
16.25	17.6515	768900
16.50	17.7479	773100
16.75	17.8421	777200
17.00	17.9431	781600
17.25	18.0280	785300
17.50	18.1175	789200
17.75	18.2094	793200
18.00	18.2989	797100
18.25	18.3815	800700
18.50	18.4550	803900
18.75	18.5514	808100
19.00	18.6478	812300
19.25	18.7557	817000
19.50	18.8430	820800
19.75	18.9256	824400
20.00	19.0232	828650

Stage [ft]	Area [ac]	Area [ft2]
20.25	19.1162	832700
20.50	19.1896	835900
20.75	19.2952	840500
21.00	19.3756	844000
21.25	19.4777	848450
21.50	19.5730	852600
21.75	19.6488	855900
22.00	19.7475	860200
22.25	19.8186	863300
22.50	19.9311	868200
22.75	20.0138	871800
23.00	20.1022	875650
23.25	20.1997	879900
23.50	20.2984	884200
23.75	20.3926	888300
24.00	20.5005	893000
24.25	20.6009	897375
24.50	20.6881	901175
24.75	20.7553	904100
25.00	20.8333	907500
25.25	20.9114	910900
25.50	21.0078	915100
25.75	21.1593	921700
26.00	21.3154	928500
26.25	21.4555	934600
26.50	21.6162	941600
26.75	21.7516	947500
27.00	21.8710	952700
27.25	21.9582	956500
27.50	22.4885	979600
27.75	22.5035	980251
28.00	22.5035	980251

Comment:

Node: LAKE 9A

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.50	6.1088	266100
13.75	6.1501	267900
14.00	6.1823	269300

Stage [ft]	Area [ac]	Area [ft2]
14.25	6.2397	271800
14.50	6.2749	273333
14.75	6.3338	275900
15.00	6.3820	278000
15.25	6.4180	279567
15.50	6.4608	281433
15.75	6.4948	282914
16.00	6.5340	284620
16.25	6.5771	286500
16.50	6.6185	288300
16.75	6.6720	290633
17.00	6.7072	292167
17.25	6.7447	293800
17.50	6.7820	295425
17.75	6.8136	296800
18.00	6.8383	297875
18.25	6.8767	299550
18.50	6.9307	301900
18.75	6.9789	304000
19.00	7.0018	305000
19.25	7.0500	307100
19.50	7.0914	308900
19.75	7.1442	311200
20.00	7.1878	313100
20.25	7.2280	314850
20.50	7.2612	316300
20.75	7.3018	318067
21.00	7.3605	320625
21.25	7.4065	322625
21.50	7.4357	323900
21.75	7.4782	325750
22.00	7.5156	327380
22.25	7.5545	329075
22.50	7.5964	330900
22.75	7.6297	332350
23.00	7.6676	334000
23.25	7.7204	336300
23.50	7.7525	337700
23.75	7.8030	339900
24.00	7.8283	341000
24.25	7.8604	342400
24.50	7.8951	343910
24.75	7.9454	346100
25.00	7.9936	348200
25.25	8.0372	350100
25.50	8.0831	352100
25.75	8.1589	355400
26.00	8.2335	358650
26.25	8.3127	362100

Stage [ft]	Area [ac]	Area [ft2]
26.50	8.3815	365100
26.75	8.4562	368350
27.00	8.5055	370500
27.25	8.5451	372225
27.50	8.6793	378068
27.75	8.6793	378068

Comment:

Node: LAKE 9B

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.50	0.9435	41100
13.75	0.9503	41395
14.00	0.9625	41925
14.25	0.9686	42193
14.50	0.9720	42342
14.75	0.9800	42689
15.00	0.9940	43300
15.25	1.0030	43692
15.50	1.0170	44300
15.75	1.0281	44783
16.00	1.0405	45325
16.25	1.0552	45967
16.50	1.0656	46418
16.75	1.0742	46791
17.00	1.0884	47411
17.25	1.0963	47755
17.50	1.1100	48350
17.75	1.1214	48850
18.00	1.1334	49371
18.25	1.1422	49753
18.50	1.1465	49940
18.75	1.1570	50400
19.00	1.1635	50684
19.25	1.1731	51100
19.50	1.1862	51670
19.75	1.1930	51967
20.00	1.2144	52900
20.25	1.2320	53667
20.50	1.2374	53900

Stage [ft]	Area [ac]	Area [ft2]
20.75	1.2470	54320
21.00	1.2574	54773
21.25	1.2722	55415
21.50	1.2781	55673
21.75	1.2860	56017
22.00	1.2984	56557
22.25	1.3115	57129
22.50	1.3330	58067
22.75	1.3499	58800
23.00	1.3579	59150
23.25	1.3688	59625
23.50	1.3756	59920
23.75	1.3857	60362
24.00	1.3932	60689
24.25	1.3996	60968
24.50	1.4111	61467
24.75	1.4240	62029
25.00	1.4463	63000
25.25	1.4551	63386
25.50	1.4646	63800
25.75	1.4830	64600
26.00	1.4991	65300
26.25	1.5289	66600
26.50	1.5565	67800
26.75	1.5702	68400
27.00	1.5817	68900
27.25	1.5955	69500
27.50	1.6602	72317
27.75	1.6602	72317

Comment:

Node: Preserve 1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.16 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
23.48	0.0023	100
23.50	0.0048	208
23.75	0.0110	479
24.00	0.0436	1900
24.25	0.6635	28900
24.50	3.5514	154700

Stage [ft]	Area [ac]	Area [ft2]
24.75	7.4105	322800
25.00	8.9669	390600
25.25	9.5569	416300
25.50	9.6855	421900
25.75	9.7245	423600
26.00	9.7521	424800
26.25	9.7739	425750
26.50	9.7826	426130
26.75	9.7826	426130

Comment:

Node: Swale N2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.00 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
22.00	0.0001	4
9999.00	0.0001	4

Comment:

Node: Swale N3

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.00 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
19.00	0.0001	4
9999.00	0.0001	4

Comment:

Node: Swale N4

Scenario: Scenario1
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 25.00 ft
Warning Stage: 9999.00 ft

Comment:

Node: TC COMMERCIAL

Scenario: Scenario1
Type: Stage/Volume
Base Flow: 0.00 cfs
Initial Stage: 25.00 ft
Warning Stage: 9999.00 ft

Stage [ft]	Volume [ac-ft]	Volume [ft3]
20.30	0.00	0
20.40	0.00	2
20.50	0.00	31
20.60	0.00	115
20.70	0.01	269
20.80	0.01	499
20.90	0.02	835
21.00	0.03	1296
21.10	0.04	1880
21.20	0.06	2582
21.30	0.08	3412
21.40	0.10	4386
21.50	0.13	5535
21.60	0.16	6877
21.70	0.19	8411
21.80	0.23	10146
21.90	0.28	12120
22.00	0.33	14363
22.10	0.39	16888
22.20	0.45	19730
22.30	0.53	22951
22.40	0.61	26588
22.50	0.70	30663
22.60	0.81	35198
22.70	0.92	40276
22.80	1.06	46055
22.90	1.21	52655
23.00	1.38	60315
23.10	1.59	69163
23.20	1.82	79169
23.30	2.07	90340
23.40	2.36	102736

Stage [ft]	Volume [ac-ft]	Volume [ft3]
23.50	2.67	116313
23.60	3.01	131014
23.70	3.37	146832
23.80	3.76	163787
23.90	4.18	181930
24.00	4.62	201361
24.10	5.10	222199
24.20	5.61	244413
24.30	6.16	268309
24.40	6.76	294503
24.50	7.42	323168
24.60	8.15	355110
24.70	9.01	392328
24.80	9.99	435150
24.90	11.12	484221
25.00	12.40	540003
25.10	13.86	603646
25.20	15.53	676604
25.30	17.44	759877
25.40	19.62	854767
25.50	22.08	961713
25.60	24.78	1079351
25.70	27.67	1205304
25.80	30.73	1338568
25.90	33.97	1479666
26.00	37.38	1628324
26.10	40.91	1782246
26.20	44.52	1939479
26.30	48.19	2099086
26.40	51.89	2260352
26.50	55.62	2422768
26.60	59.37	2585987
26.70	63.13	2749787
26.80	66.90	2914054
26.90	70.68	3078743
27.00	74.47	3243829
27.10	78.27	3409272
27.20	82.07	3575064
27.30	85.89	3741195
27.40	89.71	3907670
27.50	93.54	4074517
27.60	97.38	4241752
27.70	101.22	4409338
27.80	105.08	4577233
27.90	108.94	4745416
28.00	112.81	4913885
28.10	116.68	5082642
28.20	120.56	5251676
28.30	124.45	5420962

Stage [ft]	Volume [ac-ft]	Volume [ft3]
28.40	128.34	5590479
28.50	132.24	5760208
28.60	136.14	5930141
28.70	140.04	6100272
28.80	143.95	6270598
28.90	147.87	6441113
29.00	151.79	6611802
29.10	155.71	6782658
29.20	159.63	6953673
29.30	163.56	7124843
29.40	167.50	7296159
29.50	171.43	7467613
29.60	175.37	7639201
29.70	179.31	7810922
29.80	183.26	7982777
29.90	187.21	8154764
30.00	191.16	8326886
30.10	195.11	8499149
30.20	199.07	8671561
30.30	203.03	8844136
30.40	207.00	9016885
30.50	210.97	9189813
30.60	214.94	9362913
30.70	218.92	9536169
30.80	222.90	9709563
30.90	226.88	9883076
31.00	230.87	10056695
31.10	234.86	10230411
31.20	238.85	10404208
31.30	242.84	10578077
31.40	246.83	10752008
31.50	250.83	10925992
31.60	254.82	11100024
31.70	258.82	11274091
31.80	262.81	11448183
31.90	266.81	11622294
32.00	270.81	11796415
32.10	274.81	11970541
32.20	278.80	12144669
32.30	282.80	12318798
32.40	286.80	12492926
32.50	290.80	12667055
32.60	294.79	12841184
32.70	298.79	13015312
32.80	302.79	13189441
32.90	306.79	13363569
33.00	310.78	13537698
33.10	314.78	13711827
33.20	318.78	13885955

Stage [ft]	Volume [ac-ft]	Volume [ft3]
33.30	322.78	14060084
33.40	326.77	14234212
33.50	330.77	14408341
33.60	334.77	14582470
33.70	338.76	14756598
33.80	342.76	14930727
33.90	346.76	15104855
34.00	350.76	15278984

Comment:

Node: TC TAILWATER

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 25.00 ft
Warning Stage: 9999.00 ft
Boundary Stage: TC Outfall

Comment:

Node: WETLAND 1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
22.63	0.0023	100
22.75	0.0413	1800
23.00	0.2204	9600
23.25	0.5257	22900
23.50	1.0537	45900
23.75	3.1221	136000
24.00	7.2406	315400
24.25	16.1433	703200
24.50	27.9224	1216300
24.75	38.9004	1694500
25.00	48.2117	2100100
25.25	52.0386	2266800
25.50	53.2668	2320300
25.75	53.7741	2342400

Stage [ft]	Area [ac]	Area [ft2]
26.00	54.0886	2356100
26.25	54.2378	2362600
26.50	54.3388	2367000
26.75	54.3848	2369000
27.00	54.4003	2369675
27.25	54.4222	2370631
27.50	54.4222	2370631

Comment:

Node: WETLAND 2

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
21.74	0.0023	100
21.75	0.0034	150
22.00	0.0253	1100
22.25	0.1102	4800
22.50	0.2296	10000
22.75	0.5739	25000
23.00	1.3292	57900
23.25	2.3737	103400
23.50	5.5487	241700
23.75	15.0781	656800
24.00	32.1189	1399100
24.25	50.6772	2207500
24.50	64.2309	2797900
24.75	76.6414	3338500
25.00	93.5767	4076200
25.25	120.0023	5227300
25.50	135.6267	5907900
25.75	140.4224	6116800
26.00	142.1671	6192800
26.25	142.7308	6217352
26.50	142.7308	6217352

Comment:

Node: WETLAND 3

Scenario: Scenario1

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.63 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
23.65	0.0023	100
23.75	0.0230	1000
24.00	0.2158	9400
24.25	0.8425	36700
24.50	2.1602	94100
24.75	3.6088	157200
25.00	5.6795	247400
25.25	7.0753	308200
25.50	7.2786	317056
25.75	7.2825	317225
26.00	7.2858	317370
26.25	7.2874	317440
26.50	7.2874	317440

Comment:

Node: WETLAND 4

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.61 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
23.26	0.0023	100
23.50	0.1056	4600
23.75	0.3329	14500
24.00	0.5556	24200
24.25	0.8012	34900
24.50	1.8021	78500
24.75	4.1988	182900
25.00	5.9619	259700
25.25	6.7860	295600
25.50	7.4495	324500
25.75	8.6455	376600
26.00	9.2677	403700
26.25	9.4169	410200
26.50	9.5707	416900
26.75	9.6694	421200
27.00	9.7199	423400
27.25	9.7498	424700

Stage [ft]	Area [ac]	Area [ft2]
27.50	9.7587	425090
27.75	9.7661	425413
28.00	9.7661	425413

Comment:

Node: WETLAND 5

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.63 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
23.58	0.0023	100
23.75	0.0076	329
24.00	0.0344	1500
24.25	0.1423	6200
24.50	0.6749	29400
24.75	2.3577	102700
25.00	8.8039	383500
25.25	22.6882	988300
25.50	34.1047	1485600
25.75	40.9642	1784400
26.00	44.1162	1921700
26.25	45.1791	1968000
26.50	45.3994	1977600
26.75	45.4534	1979948
27.00	45.4534	1979948

Comment:

Node: WETLAND 6

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.50 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
20.72	0.0023	100
20.75	0.0046	200
21.00	0.0151	657
21.25	0.0227	991

Stage [ft]	Area [ac]	Area [ft2]
21.50	0.0367	1600
21.75	0.0421	1833
22.00	0.0528	2300
22.25	0.1492	6500
22.50	1.2213	53200
22.75	3.9302	171200
23.00	5.8724	255800
23.25	7.3829	321600
23.50	12.3049	536000
23.75	18.8820	822500
24.00	28.4963	1241300
24.25	34.8462	1517900
24.50	38.9830	1698100
24.75	42.1786	1837300
25.00	44.7750	1950400
25.25	46.9720	2046100
25.50	48.3448	2105900
25.75	49.2195	2144000
26.00	49.8531	2171600
26.25	50.1699	2185400
26.50	50.3627	2193800
26.75	50.4431	2197300
27.00	50.4894	2199320
27.25	50.5044	2199970
27.50	50.5044	2199970

Comment:

Node: WETLAND 7

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 25.20 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
20.93	0.0023	100
21.00	0.0046	200
21.25	0.0178	775
21.50	0.1286	5600
21.75	0.3329	14500
22.00	1.9421	84600
22.25	7.1051	309500
22.50	10.7392	467800
22.75	13.0624	569000
23.00	14.6924	640000

Stage [ft]	Area [ac]	Area [ft2]
23.25	15.9275	693800
23.50	17.1258	746000
23.75	18.5101	806300
24.00	19.9495	869000
24.25	22.5551	982500
24.50	28.6708	1248900
24.75	36.6988	1598600
25.00	43.5216	1895800
25.25	46.7998	2038600
25.50	47.7020	2077900
25.75	47.9775	2089900
26.00	48.0647	2093700
26.25	48.1129	2095800
26.50	48.1359	2096800
26.75	48.1703	2098300
27.00	48.1804	2098739
27.25	48.1804	2098739

Comment:

Node: WETLAND 8

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 24.84 ft
Warning Stage: 9999.00 ft

Stage [ft]	Area [ac]	Area [ft2]
21.36	0.0023	100
21.50	0.0344	1500
21.75	0.6887	30000
22.00	1.4646	63800
22.25	2.9017	126400
22.50	4.0083	174600
22.75	5.4293	236500
23.00	7.0363	306500
23.25	15.6061	679800
23.50	29.7911	1297700
23.75	39.7429	1731200
24.00	48.3907	2107900
24.25	57.0868	2486700
24.50	64.8347	2824200
24.75	72.8329	3172600
25.00	82.2498	3582800
25.25	88.5055	3855300
25.50	91.1800	3971800

Stage [ft]	Area [ac]	Area [ft2]
25.75	92.5758	4032600
26.00	93.3861	4067900
26.25	93.7833	4085200
26.50	94.0243	4095700
26.75	94.1621	4101700
27.00	94.1939	4103088
27.25	94.1939	4103088

Comment:

Pipe Link: 7 Equalizer		Upstream		Downstream	
Scenario:	Scenario1	Invert:	15.00 ft	Invert:	15.00 ft
From Node:	LAKE 7A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAKE 7B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	490.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Conceptual equalizer pipe to represent storm sewer connecting individual Basin 7 ponds. Basin 7 ponds are aggregated in 1D model.

Pipe Link: 9 Equalizer		Upstream		Downstream	
Scenario:	Scenario1	Invert:	15.00 ft	Invert:	15.00 ft
From Node:	LAKE 9A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAKE 9B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	430.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Conceptual equalizer pipe to represent storm sewer connecting individual Basin 9 ponds. Basin 9 ponds are

aggregated in 1D model.

Channel Link: CH-DMY1-DMY2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	23.41 ft	Invert:	23.16 ft
From Node:	DUMMY 1	Manning's N:	0.0210	Manning's N:	0.0210
To Node:	DUMMY 2	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	999.00 ft	Max Depth:	999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	2.00 ft	Bottom Width:	2.00 ft
Length:	289.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.20	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.20	Op Table:		Op Table:	
Bend Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH-SW1-SW2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	23.35 ft	Invert:	23.35 ft
From Node:	TC COMMERCIAL	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	Swale N2	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	99999.00 ft	Max Depth:	99999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	1264.66 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.10	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH-SWN2-SWN3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	23.35 ft	Invert:	23.35 ft
From Node:	Swale N2	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	Swale N3	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	0.00 ft
Length:	1276.49 ft	Left Slope:	3.000 (h:v)	Left Slope:	5.000 (h:v)
Contraction Coef:	0.10	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH-SWN3-SWN4		Upstream		Downstream	
Scenario:	Scenario1	Invert:	23.35 ft	Invert:	23.35 ft
From Node:	Swale N3	Manning's N:	0.0300	Manning's N:	0.0300
To Node:	Swale N4	Geometry: Trapezoidal		Geometry: Trapezoidal	
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	1719.15 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.10	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH-SWN4-TC OUTFALL		Upstream		Downstream	
Scenario:	Scenario1	Invert:	23.35 ft	Invert:	23.35 ft
From Node:	Swale N4	Manning's N:	0.0300	Manning's N:	0.0300

		Upstream		Downstream	
To Node:	TC TAILWATER	Geometry:	Trapezoidal	Geometry:	Trapezoidal
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0000 ft	Bottom Width:	5.00 ft	Bottom Width:	5.00 ft
Length:	70.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.10	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.30	Bottom Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Channel Link: CH-WETLAND 1-DP DMY 1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	25.50 ft	Invert:	25.50 ft
From Node:	WETLAND 1	Manning's N:	0.0500	Manning's N:	0.0500
To Node:	DP DMY 1	Geometry:	Trapezoidal	Geometry:	Trapezoidal
Link Count:	1	Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Flow Direction:	Both	Extrapolation:	Normal	Extrapolation:	Normal
Damping:	0.0100 ft	Bottom Width:	10.00 ft	Bottom Width:	10.00 ft
Length:	2035.00 ft	Left Slope:	3.000 (h:v)	Left Slope:	3.000 (h:v)
Contraction Coef:	0.00	Right Slope:	3.000 (h:v)	Right Slope:	3.000 (h:v)
Expansion Coef:	0.00	Bottom Clip			
Entr Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	1.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy	Top Clip			
		Default:	0.00 ft	Default:	0.00 ft
		Op Table:		Op Table:	
		Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Rating Curve Link: CS1-DRD-N3	
Scenario:	Scenario1
From Node:	Daniels Road
To Node:	Swale N3
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-12	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS1-DRD-N4

Scenario: Scenario1
From Node: Daniels Road
To Node: Swale N4
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-11	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curv

Rating Curve Link: CS1-DRD-TC COM

Scenario: Scenario1
From Node: Daniels Road
To Node: TC COMMERCIAL
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-14	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS1-DRD-TC OUTFALL

Scenario: Scenario1
From Node: Daniels Road
To Node: TC TAILWATER
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-7	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS1-DS1-DRD

Scenario: Scenario1
From Node: Daniels Road
To Node: WETLAND 2
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-9	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS2-DRD-TC COM

Scenario: Scenario1
From Node: Daniels Road
To Node: TC COMMERCIAL
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-15	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS2-DRD-TC OUTFALL

Scenario: Scenario1
From Node: Daniels Road
To Node: TC TAILWATER
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-8	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating cur

Rating Curve Link: CS2-DS1-DRD

Scenario: Scenario1
From Node: Daniels Road
To Node: WETLAND 1
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-13	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS3-DRD-TC COM

Scenario: Scenario1
From Node: Daniels Road
To Node: TC COMMERCIAL
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-16	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Rating Curve Link: CS3-DRD-TC OUTFALL

Scenario: Scenario1
From Node: Daniels Road
To Node: TC TAILWATER
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
CS-10	0.00	Daniels Road	-99999.00	Daniels Road

Comment: This represnts a control structure from Danels Parkway
"From Node" is a dummy node used to trigger the rating curve

Drop Structure Link: DS-BASIN 10-WETLAND 1

Scenario: Scenario1
From Node: LAKE 10B
To Node: WETLAND 1
Link Count: 1
Flow Direction: Both
Solution: Combine
Increments: 0
Pipe Count: 1
Damping: 0.0100 ft
Length: 350.00 ft

Upstream Pipe		Downstream Pipe	
Invert:	19.00 ft	Invert:	19.00 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	9999.00 ft	Max Depth:	9999.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft

FHWA Code:	1	Op Table:		Op Table:	
Entr Loss Coef:	0.20	Ref Node:		Ref Node:	
Exit Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0100 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	25.50 ft	Ref Node:	
Control Elevation:	25.50 ft	Discharge Coefficients	
Max Depth:	0.25 ft	Weir Default:	3.200
Max Width:	0.69 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Weir Component		Bottom Clip	
Weir:	2	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0100 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	26.42 ft	Ref Node:	
Control Elevation:	25.50 ft	Discharge Coefficients	
Max Depth:	0.45 ft	Weir Default:	3.200
Max Width:	0.44 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS-BASIN 11-WETLAND 6		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario1	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	LAKE 11	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	WETLAND 6	Geometry: Circular		Geometry: Circular	
		Max Depth:	4.00 ft	Max Depth:	4.00 ft

Link Count:	1
Flow Direction:	Both
Solution:	Combine
Increments:	0
Pipe Count:	1
Damping:	0.0100 ft
Length:	350.00 ft
FHWA Code:	1
Entr Loss Coef:	0.20
Exit Loss Coef:	0.50
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Pipe Comment:

Weir Component

Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0100 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	26.15 ft
Control Elevation:	25.50 ft
Max Depth:	0.50 ft
Max Width:	2.70 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS-BASIN 14-WETLAND 7

Scenario:	Scenario1
From Node:	LAKE 14
To Node:	WETLAND 7
Link Count:	1
Flow Direction:	Both
Solution:	Combine
Increments:	0
Pipe Count:	1
Damping:	0.0100 ft
Length:	350.00 ft
FHWA Code:	1
Entr Loss Coef:	0.20

Upstream Pipe		Downstream Pipe	
Invert:	19.00 ft	Invert:	19.00 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		**Geometry: Circular**	
Max Depth:	4.00 ft	Max Depth:	4.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	

Exit Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	26.15 ft	Ref Node:	
Control Elevation:	25.50 ft	**Discharge Coefficients**	
Max Depth:	0.50 ft	Weir Default:	3.200
Max Width:	2.70 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS-BASIN 8-WETLAND 1		Upstream Pipe		Downstream Pipe	
		Invert:	19.00 ft	Invert:	19.00 ft
Scenario:	Scenario1	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	LAKE 8	Geometry: Circular		Geometry: Circular	
To Node:	WETLAND 1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Link Count:	1	**Bottom Clip**			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0100 ft	**Top Clip**			
Length:	350.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	2	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

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

Weir Flow Direction:	Both
Damping:	0.0100 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	25.50 ft
Control Elevation:	25.50 ft
Max Depth:	0.25 ft
Max Width:	3.23 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS-BASIN 9-WETLAND 5	
Scenario:	Scenario1
From Node:	LAKE 9A
To Node:	WETLAND 5
Link Count:	1
Flow Direction:	Both
Solution:	Combine
Increments:	0
Pipe Count:	1
Damping:	0.0100 ft
Length:	350.00 ft
FHWA Code:	1
Entr Loss Coef:	0.20
Exit Loss Coef:	0.50
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Upstream Pipe		Downstream Pipe	
Invert:	19.00 ft	Invert:	19.00 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	4.00 ft	Max Depth:	4.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Pipe Comment:

Weir Component	
Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0100 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	25.50 ft
Control Elevation:	25.50 ft
Max Depth:	0.50 ft
Max Width:	2.70 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200

Fillet:	0.00 ft

Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS-BASIN C1-BASIN 2	
Scenario:	Scenario1
From Node:	C1
To Node:	LAKE 2
Link Count:	1
Flow Direction:	Positive
Solution:	Combine
Increments:	0
Pipe Count:	1
Damping:	0.0100 ft
Length:	350.00 ft
FHWA Code:	1
Entr Loss Coef:	0.20
Exit Loss Coef:	0.50
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Upstream Pipe	
Invert:	19.00 ft
Manning's N:	0.0120
Geometry: Circular	
Max Depth:	4.00 ft
Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Downstream Pipe	
Invert:	19.00 ft
Manning's N:	0.0120
Geometry: Circular	
Max Depth:	4.00 ft
Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Pipe Comment:

Weir Component	
Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0100 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	25.50 ft
Control Elevation:	25.50 ft
Max Depth:	0.50 ft
Max Width:	1.25 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS-DMY2-EB TW		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario1	Invert:	23.16 ft	Invert:	23.36 ft
From Node:	DUMMY 2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EB TAILWATER	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Link Count:	1	Max Depth:	2.83 ft	Max Depth:	2.83 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0100 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	31.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.20	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	25.50 ft	Ref Node:	
Control Elevation:	25.50 ft	Discharge Coefficients	
Max Depth:	9999.00 ft	Weir Default:	3.200
Max Width:	9999.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS-DP DMY 1-TC COMMERCIAL		Upstream Pipe		Downstream Pipe	
		Invert:	22.23 ft	Invert:	22.23 ft
Scenario:	Scenario1	Manning's N:	0.0140	Manning's N:	0.0140
From Node:	DP DMY 1	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
To Node:	TC COMMERCIAL	Max Depth:	1.58 ft	Max Depth:	1.58 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000

Damping:	0.0100 ft
Length:	187.00 ft
FHWA Code:	30
Entr Loss Coef:	0.50
Exit Loss Coef:	1.00
Bend Loss Coef:	0.50
Bend Location:	0.00 dec
Energy Switch:	Energy

Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Pipe Comment:

Weir Component	
Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0100 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	25.30 ft
Control Elevation:	25.30 ft
Max Depth:	999.00 ft
Max Width:	999.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS-WETLAND 1-SWALE N2	
Scenario:	Scenario1
From Node:	WETLAND 1
To Node:	Swale N2
Link Count:	1
Flow Direction:	Both
Solution:	Combine
Increments:	0
Pipe Count:	1
Damping:	0.0100 ft
Length:	195.00 ft
FHWA Code:	30
Entr Loss Coef:	0.50
Exit Loss Coef:	1.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Upstream Pipe		Downstream Pipe	
Invert:	22.53 ft	Invert:	22.53 ft
Manning's N:	0.0140	Manning's N:	0.0140
Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Max Depth:	1.58 ft	Max Depth:	1.58 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0100 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	25.50 ft	Ref Node:	
Control Elevation:	25.50 ft	**Discharge Coefficients**	
Max Depth:	9999.00 ft	Weir Default:	3.200
Max Width:	9999.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS-WETLAND 1-SWALE N3		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario1	Invert:	22.36 ft	Invert:	22.34 ft
From Node:	WETLAND 1	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	Swale N3	**Geometry: Horizontal Ellipse**		**Geometry: Horizontal Ellipse**	
Link Count:	1	Max Depth:	1.17 ft	Max Depth:	1.17 ft
Flow Direction:	Both	**Bottom Clip**			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	206.00 ft	**Top Clip**			
FHWA Code:	30	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	25.50 ft		

Control Elevation:	25.50 ft
Max Depth:	9999.00 ft
Max Width:	9999.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS-WETLAND 2-SWALE N4		Upstream Pipe		Downstream Pipe	
		Invert:	24.08 ft	Invert:	24.11 ft
Scenario:	Scenario1	Manning's N:	0.0140	Manning's N:	0.0140
From Node:	WETLAND 2	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
To Node:	Swale N4	Max Depth:	1.17 ft	Max Depth:	1.17 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0100 ft	Top Clip			
Length:	204.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	30	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	1.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component	
Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	25.50 ft
Control Elevation:	25.00 ft
Max Depth:	9999.00 ft
Max Width:	9999.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS-WETLAND 2-WETLAND DMY		Upstream Pipe		Downstream Pipe	
		Invert:	19.00 ft	Invert:	19.00 ft
Scenario:	Scenario1	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	WETLAND 2	Geometry: Circular		Geometry: Circular	
To Node:	WETLAND 5	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	1650.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	1	Op Table:		Op Table:	
Entr Loss Coef:	0.20	Ref Node:		Ref Node:	
Exit Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0100 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	25.80 ft	Ref Node:	
Control Elevation:	25.50 ft	Discharge Coefficients	
Max Depth:	9999.00 ft	Weir Default:	3.200
Max Width:	25.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS1-WETLAND 2-AIRPORT BASIN 11		Upstream Pipe		Downstream Pipe	
		Invert:	23.50 ft	Invert:	23.50 ft
Scenario:	Scenario1	Manning's N:	0.0140	Manning's N:	0.0140
From Node:	WETLAND 2	Geometry: Circular		Geometry: Circular	
To Node:	AirportBasin11	Max Depth:	2.00 ft	Max Depth:	2.00 ft

Link Count:	1
Flow Direction:	Both
Solution:	Combine
Increments:	0
Pipe Count:	1
Damping:	0.0100 ft
Length:	52.00 ft
FHWA Code:	1
Entr Loss Coef:	0.50
Exit Loss Coef:	1.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Pipe Comment:

Weir Component

Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	25.50 ft
Control Elevation:	25.50 ft
Max Depth:	9999.00 ft
Max Width:	9999.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS1-WETLAND 2-TIMBER CREEK OUTFALL

Scenario:	Scenario1
From Node:	WETLAND 2
To Node:	TC TAILWATER
Link Count:	1
Flow Direction:	Both
Solution:	Combine
Increments:	0
Pipe Count:	1
Damping:	0.0100 ft
Length:	160.00 ft
FHWA Code:	30
Entr Loss Coef:	0.50

Upstream Pipe		Downstream Pipe	
Invert:	24.74 ft	Invert:	23.88 ft
Manning's N:	0.0140	Manning's N:	0.0140
Geometry: Horizontal Ellipse		**Geometry: Horizontal Ellipse**	
Max Depth:	1.17 ft	Max Depth:	1.17 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	

Exit Loss Coef:	1.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	25.50 ft	Ref Node:	
Control Elevation:	25.00 ft	**Discharge Coefficients**	
Max Depth:	9999.00 ft	Weir Default:	3.200
Max Width:	9999.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS2-WETLAND 2-AIRPORT BASIN 11		Upstream Pipe		Downstream Pipe	
		Invert:	23.50 ft	Invert:	23.50 ft
Scenario:	Scenario1	Manning's N:	0.0140	Manning's N:	0.0140
From Node:	WETLAND 2	Geometry: Circular		Geometry: Circular	
To Node:	AirportBasin11	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0100 ft	Top Clip			
Length:	36.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	1	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	1.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

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

Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	25.50 ft
Control Elevation:	25.50 ft
Max Depth:	9999.00 ft
Max Width:	9999.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS2-WETLAND 2-TIMBER CREEK OUTFALL	
Scenario:	Scenario1
From Node:	WETLAND 2
To Node:	TC TAILWATER
Link Count:	1
Flow Direction:	Both
Solution:	Combine
Increments:	0
Pipe Count:	2
Damping:	0.0000 ft
Length:	177.00 ft
FHWA Code:	30
Entr Loss Coef:	0.50
Exit Loss Coef:	1.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Upstream Pipe		Downstream Pipe	
Invert:	24.26 ft	Invert:	24.25 ft
Manning's N:	0.0140	Manning's N:	0.0140
Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
Max Depth:	1.17 ft	Max Depth:	1.17 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Pipe Comment:

Weir Component	
Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	25.50 ft
Control Elevation:	25.00 ft
Max Depth:	9999.00 ft
Max Width:	9999.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200

Fillet:	0.00 ft

Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS3-WETLAND 2-AIRPORT BASIN 11		Upstream Pipe		Downstream Pipe	
		Invert:	23.50 ft	Invert:	23.50 ft
Scenario:	Scenario1	Manning's N:	0.0140	Manning's N:	0.0140
From Node:	WETLAND 2	Geometry: Circular		Geometry: Circular	
To Node:	AirportBasin11	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0100 ft	Top Clip			
Length:	33.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	1	Op Table:		Op Table:	
Entr Loss Coef:	0.50	Ref Node:		Ref Node:	
Exit Loss Coef:	1.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	25.50 ft	Ref Node:	
Control Elevation:	25.50 ft	Discharge Coefficients	
Max Depth:	9999.00 ft	Weir Default:	3.200
Max Width:	9999.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Drop Structure Link: DS4-WETLAND 2-AIRPORT BASIN 11		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario1	Invert:	23.50 ft	Invert:	23.50 ft
From Node:	WETLAND 2	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	AirportBasin11	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0100 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	31.00 ft	Top Clip			
FHWA Code:	1	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	1.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Arch Structural Plate	Op Table:	
Invert:	25.50 ft	Ref Node:	
Control Elevation:	25.50 ft	Discharge Coefficients	
Max Depth:	9999.00 ft	Weir Default:	3.200
Max Width:	9999.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Pipe Link: L-0030P		Upstream		Downstream	
Scenario:	Scenario1	Invert:	15.00 ft	Invert:	15.00 ft
From Node:	LAKE 10A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAKE 10B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	260.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Conceptual equalizer pipe to represent storm sewer connecting individual Basin 10 ponds. Basin 10 ponds are aggregated in 1D model.

Pipe Link: L-0040P		Upstream		Downstream	
Scenario:	Scenario1	Invert:	15.00 ft	Invert:	15.00 ft
From Node:	LAKE 10B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAKE 10C	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	1147.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Conceptual equalizer pipe to represent storm sewer connecting individual Basin 10 ponds. Basin 10 ponds are aggregated in 1D model.

Pipe Link: L-0050P		Upstream		Downstream	
Scenario:	Scenario1	Invert:	15.00 ft	Invert:	15.00 ft
From Node:	LAKE 12A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAKE 12B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	130.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Conceptual equalizer pipe to represent storm sewer connecting individual Basin 12 ponds. Basin 12 ponds are aggregated in 1D model.

Pipe Link: L-0340P		Upstream		Downstream	
Scenario:	Scenario1	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	LAKE 13	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAKE 7A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0100 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	3300.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: L-0640P		Upstream		Downstream	
Scenario:	Scenario1	Invert:	23.12 ft	Invert:	23.41 ft
From Node:	Preserve 1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	DUMMY 1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0100 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	31.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Weir Link: OW-PRESERVE 1- WETLAND 8			
Scenario:	Scenario1	Bottom Clip	
From Node:	Preserve 1	Default:	0.00 ft
To Node:	WETLAND 8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0100 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	25.12 ft	Discharge Coefficients	
Control Elevation:	25.08 ft	Weir Default:	2.800

Cross Section:	OW-PRESERVE 1-WETLAND 8		
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: OW-PRESERVE 1-W7

Scenario:	Scenario1	Bottom Clip	
From Node:	Preserve 1	Default:	0.00 ft
To Node:	WETLAND 7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0100 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	25.12 ft	Discharge Coefficients	
Control Elevation:	25.08 ft	Weir Default:	2.800
Cross Section:	OW-PRESERVE 1-WETLAND 8	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: OW-W3-W5

Scenario:	Scenario1	Bottom Clip	
From Node:	WETLAND 3	Default:	0.00 ft
To Node:	WETLAND 5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0100 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	25.68 ft	Discharge Coefficients	
Control Elevation:	25.63 ft	Weir Default:	2.800
Cross Section:	OW-W3-W5	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Weir Link: OW-W5-W6

Scenario:	Scenario1	Bottom Clip	
From Node:	WETLAND 5	Default:	0.00 ft
To Node:	WETLAND 6	Op Table:	

Link Count:	1
Flow Direction:	Both
Damping:	0.0100 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	25.37 ft
Control Elevation:	25.32 ft
Cross Section:	OW-W5-W6

Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: OW-W6-W7

Scenario:	Scenario1
From Node:	WETLAND 6
To Node:	WETLAND 7
Link Count:	1
Flow Direction:	Both
Damping:	0.0100 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	25.20 ft
Control Elevation:	25.16 ft
Cross Section:	W6-W7

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: OW-W7-EB TW DMY

Scenario:	Scenario1
From Node:	WETLAND 8
To Node:	EB TAILWATER
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	25.20 ft
Control Elevation:	25.00 ft
Cross Section:	OW-W7-EB TW DMY

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Weir Link: OW-W7-W8			
Scenario:	Scenario1	Bottom Clip	
From Node:	WETLAND 7	Default:	0.00 ft
To Node:	WETLAND 8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0100 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	25.27 ft	Discharge Coefficients	
Control Elevation:	25.00 ft	Weir Default:	2.800
Cross Section:	W7-W8	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Pipe Link: P-BASIN 1-BASIN 3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	LAKE 1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAKE 3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0100 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-BASIN 11-BASIN 9		Upstream		Downstream	
Scenario:	Scenario1	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	LAKE 11	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAKE 9A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	1860.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft

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

Comment:

Pipe Link: P-BASIN 12-BASIN 11		Upstream		Downstream	
Scenario:	Scenario1	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	LAKE 12A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAKE 11	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0100 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	3501542.38 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-BASIN 14-BASIN 13		Upstream		Downstream	
Scenario:	Scenario1	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	LAKE 14	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAKE 13	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0100 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-BASIN 2-BASIN 3		Upstream		Downstream	
Scenario:	Scenario1	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	LAKE 2	Manning's N:	0.0120	Manning's N:	0.0120

To Node:	LAKE 3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0100 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-BASIN 3-BASIN 4		Upstream		Downstream	
Scenario:	Scenario1	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	LAKE 3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAKE 4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0100 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-BASIN 3-BASIN 5		Upstream		Downstream	
Scenario:	Scenario1	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	LAKE 3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAKE 5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0100 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-BASIN 3-BASIN 6		Upstream		Downstream	
Scenario:	Scenario1	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	LAKE 3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAKE 6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0100 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-BASIN 4-BASIN 7		Upstream		Downstream	
Scenario:	Scenario1	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	LAKE 4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAKE 7A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0100 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-BASIN 5-BASIN 8		Upstream		Downstream	
Scenario:	Scenario1	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	LAKE 5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAKE 8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0100 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-BASIN 6-BASIN 8		Upstream		Downstream	
Scenario:	Scenario1	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	LAKE 6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAKE 8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0100 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	2	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-BASIN 7-BASIN 8		Upstream		Downstream	
Scenario:	Scenario1	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	LAKE 7A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAKE 8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0100 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-BASIN 7-BASIN 9		Upstream		Downstream	
Scenario:	Scenario1	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	LAKE 7A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAKE 9A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0100 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-BASIN 8-BASIN 9		Upstream		Downstream	
Scenario:	Scenario1	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	LAKE 8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	LAKE 9A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0100 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-EB OUTFALL-EB TW		Upstream		Downstream	
Scenario:	Scenario1	Invert:	21.95 ft	Invert:	21.84 ft
From Node:	EB OUTFALL	Manning's N:	0.0120	Manning's N:	0.0120
	DUMMY	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
To Node:	EB TAILWATER	Max Depth:	3.17 ft	Max Depth:	3.17 ft
Link Count:	2	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0100 ft	Op Table:		Op Table:	
Length:	36.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.20	Top Clip			

Exit Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: P-WETLAND 1-WETLAND 2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	WETLAND 1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	WETLAND 2	Geometry: Circular		Geometry: Circular	
Link Count:	3	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	250.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: P-WETLAND 4-WETLAND 5		Upstream		Downstream	
Scenario:	Scenario1	Invert:	19.00 ft	Invert:	19.00 ft
From Node:	WETLAND 4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	WETLAND 5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0100 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	350.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	0.20	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: P1-W7-EB TW DMY		Upstream		Downstream	
Scenario:	Scenario1	Invert:	23.65 ft	Invert:	23.75 ft

From Node:	WETLAND 8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EB OUTFALL	Geometry: Circular		Geometry: Circular	
	DUMMY	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	2	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0100 ft	Op Table:		Op Table:	
Length:	31.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.20	Top Clip			
Exit Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: P2-W7-EB TW DMY		Upstream		Downstream	
Scenario:	Scenario1	Invert:	24.16 ft	Invert:	24.14 ft
From Node:	WETLAND 8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EB OUTFALL	Geometry: Horizontal Ellipse		Geometry: Horizontal Ellipse	
	DUMMY	Max Depth:	2.83 ft	Max Depth:	2.83 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0100 ft	Op Table:		Op Table:	
Length:	31.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.20	Top Clip			
Exit Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: P3-DS-W7-EB TW DMY		Upstream		Downstream	
Scenario:	Scenario1	Invert:	23.41 ft	Invert:	23.41 ft
From Node:	WETLAND 8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EB OUTFALL	Geometry: Circular		Geometry: Circular	
	DUMMY	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0100 ft	Op Table:		Op Table:	
Length:	31.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.20	Top Clip			
Exit Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	

Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: P4-W7-EB TW DMY		Upstream		Downstream	
Scenario:	Scenario1	Invert:	22.84 ft	Invert:	22.76 ft
From Node:	WETLAND 8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EB OUTFALL	Geometry: Circular		Geometry: Circular	
	DUMMY	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0100 ft	Op Table:		Op Table:	
Length:	31.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.20	Top Clip			
Exit Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: P5-W7-EB TW DMY		Upstream		Downstream	
Scenario:	Scenario1	Invert:	22.75 ft	Invert:	22.68 ft
From Node:	WETLAND 8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	EB OUTFALL	Geometry: Circular		Geometry: Circular	
	DUMMY	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0100 ft	Op Table:		Op Table:	
Length:	31.00 ft	Ref Node:		Ref Node:	
FHWA Code:	1	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.20	Top Clip			
Exit Loss Coef:	0.50	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Simulation: 025Y072H	
Scenario:	Scenario1
Run Date/Time:	5/14/2022 6:34:30 PM
Program Version:	ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	360.0000

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

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	30.0000
0	0	0	48.0000	15.0000
0	0	0	55.0000	15.0000
0	0	0	61.0000	15.0000
0	0	0	72.0000	60.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	30.0000
0	0	0	48.0000	15.0000
0	0	0	55.0000	15.0000
0	0	0	61.0000	15.0000
0	0	0	72.0000	60.0000
0	0	0	360.0000	60.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	60.0000
0	0	0	360.0000	60.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Reference ET Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set: 25yr
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:	Green-Ampt
Vertical Layers Set:	
Impervious Set:	Impervious
Roughness Set:	Roughness
Crop Coef Set:	
Fillable Porosity Set:	Porosity
Conductivity Set:	Conductivity
Leakage Set:	Leakage

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	10.60 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	100 ft2	Min Node Srf Area (1D):	100 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Relative Time [hrs]	Recharge Volume [ac_ft]
0.0000	0.00
1.0000	0.87
2.0000	2.26
3.0000	4.40
4.0000	6.71
5.0000	9.06
6.0000	11.42
7.0000	13.81
8.0000	16.24
9.0000	18.70
10.0000	21.18
11.0000	23.65
12.0000	26.14
13.0000	28.68
14.0000	31.27
15.0000	33.89
16.0000	36.56
17.0000	39.28
18.0000	42.01
19.0000	44.80
20.0000	47.63
21.0000	50.50
22.0000	53.41
23.0000	56.37
24.0000	59.39
25.0000	62.60
26.0000	65.93
27.0000	69.38
28.0000	72.93
29.0000	76.57
30.0000	80.31
31.0000	84.15
32.0000	88.03
33.0000	91.86
34.0000	95.79
35.0000	99.78
36.0000	103.82
37.0000	107.92
38.0000	112.08
39.0000	116.26
40.0000	120.47
41.0000	124.71

Relative Time [hrs]	Recharge Volume [ac_ft]
42.0000	128.98
43.0000	133.26
44.0000	137.57
45.0000	141.88
46.0000	146.22
47.0000	150.56
48.0000	154.91
49.0000	159.35
50.0000	163.86
51.0000	168.57
52.0000	173.50
53.0000	178.97
54.0000	185.28
55.0000	193.14
56.0000	202.24
57.0000	212.61
58.0000	224.73
59.0000	239.64
60.0000	307.95
61.0000	350.66
62.0000	370.72
63.0000	384.98
64.0000	397.03
65.0000	406.51
66.0000	415.21
67.0000	423.58
68.0000	431.84
69.0000	439.59
70.0000	446.85
71.0000	453.79
72.0000	460.83
73.0000	466.96
74.0000	472.70
75.0000	478.23
76.0000	483.63
77.0000	488.95
78.0000	494.18
79.0000	499.35
80.0000	504.49
81.0000	509.60
82.0000	514.69
83.0000	519.76

Relative Time [hrs]	Recharge Volume [ac_ft]
84.0000	524.82
85.0000	529.86
86.0000	534.89
87.0000	539.90
88.0000	544.92
89.0000	549.93
90.0000	554.93
91.0000	559.94
92.0000	564.94
93.0000	569.94
94.0000	574.94
95.0000	579.94
96.0000	584.93
97.0000	589.93
98.0000	594.92
99.0000	599.92
100.0000	604.91
101.0000	609.91
102.0000	614.89
103.0000	619.87
104.0000	624.68
105.0000	629.35
106.0000	634.03
107.0000	638.70
108.0000	643.38
109.0000	648.05
110.0000	652.60
111.0000	657.04
112.0000	661.48
113.0000	665.92
114.0000	670.35
115.0000	674.79
116.0000	679.21
117.0000	683.64
118.0000	688.06
119.0000	692.49
120.0000	696.92
121.0000	701.35
122.0000	705.79
123.0000	710.22
124.0000	714.65
125.0000	719.02

Relative Time [hrs]	Recharge Volume [ac_ft]
126.0000	723.37
127.0000	727.71
128.0000	732.04
129.0000	736.38
130.0000	740.72
131.0000	745.06
132.0000	749.40
133.0000	753.74
134.0000	758.08
135.0000	762.43
136.0000	766.78
137.0000	771.13
138.0000	775.48
139.0000	779.83
140.0000	784.19
141.0000	788.55
142.0000	792.91
143.0000	797.27
144.0000	801.64
145.0000	806.00
146.0000	810.38
147.0000	814.75
148.0000	819.12
149.0000	823.49
150.0000	827.85
151.0000	832.17
152.0000	836.50
153.0000	840.83
154.0000	845.16
155.0000	849.49
156.0000	853.82
157.0000	858.15
158.0000	862.49
159.0000	866.83
160.0000	871.16
161.0000	875.44
162.0000	879.65
163.0000	883.87
164.0000	888.09
165.0000	892.30
166.0000	896.51
167.0000	900.71

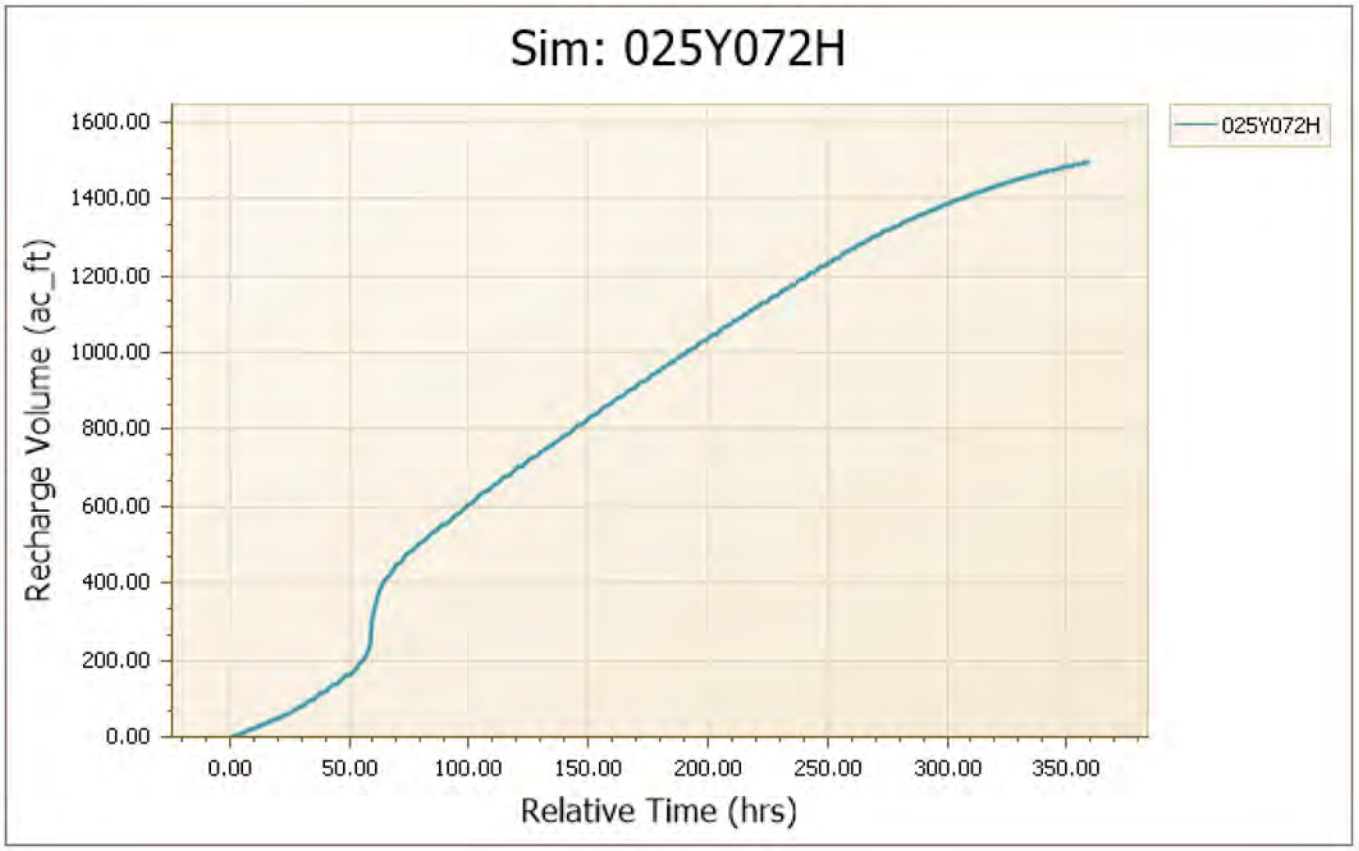
Relative Time [hrs]	Recharge Volume [ac_ft]
168.0000	904.92
169.0000	909.12
170.0000	913.31
171.0000	917.51
172.0000	921.70
173.0000	925.90
174.0000	930.10
175.0000	934.30
176.0000	938.50
177.0000	942.71
178.0000	946.91
179.0000	951.12
180.0000	955.33
181.0000	959.54
182.0000	963.75
183.0000	967.90
184.0000	972.03
185.0000	976.16
186.0000	980.29
187.0000	984.42
188.0000	988.55
189.0000	992.68
190.0000	996.82
191.0000	1000.95
192.0000	1005.10
193.0000	1009.25
194.0000	1013.37
195.0000	1017.45
196.0000	1021.50
197.0000	1025.58
198.0000	1029.67
199.0000	1033.73
200.0000	1037.79
201.0000	1041.83
202.0000	1045.88
203.0000	1049.93
204.0000	1053.96
205.0000	1057.96
206.0000	1061.96
207.0000	1065.97
208.0000	1069.97
209.0000	1073.98

Relative Time [hrs]	Recharge Volume [ac_ft]
210.0000	1077.99
211.0000	1082.00
212.0000	1086.00
213.0000	1090.01
214.0000	1094.01
215.0000	1098.01
216.0000	1102.01
217.0000	1106.01
218.0000	1110.01
219.0000	1113.93
220.0000	1117.85
221.0000	1121.71
222.0000	1125.57
223.0000	1129.43
224.0000	1133.30
225.0000	1137.18
226.0000	1141.06
227.0000	1144.94
228.0000	1148.83
229.0000	1152.73
230.0000	1156.62
231.0000	1160.50
232.0000	1164.37
233.0000	1168.24
234.0000	1172.11
235.0000	1175.97
236.0000	1179.84
237.0000	1183.69
238.0000	1187.55
239.0000	1191.41
240.0000	1195.27
241.0000	1199.14
242.0000	1203.00
243.0000	1206.85
244.0000	1210.69
245.0000	1214.51
246.0000	1218.25
247.0000	1221.99
248.0000	1225.71
249.0000	1229.44
250.0000	1233.15
251.0000	1236.85

Relative Time [hrs]	Recharge Volume [ac_ft]
252.0000	1240.49
253.0000	1244.11
254.0000	1247.72
255.0000	1251.35
256.0000	1254.97
257.0000	1258.61
258.0000	1262.22
259.0000	1265.84
260.0000	1269.44
261.0000	1273.03
262.0000	1276.61
263.0000	1280.17
264.0000	1283.72
265.0000	1287.25
266.0000	1290.74
267.0000	1294.10
268.0000	1297.37
269.0000	1300.62
270.0000	1303.86
271.0000	1307.07
272.0000	1310.18
273.0000	1313.22
274.0000	1316.23
275.0000	1319.23
276.0000	1322.20
277.0000	1325.13
278.0000	1328.01
279.0000	1330.88
280.0000	1333.74
281.0000	1336.59
282.0000	1339.42
283.0000	1342.24
284.0000	1345.03
285.0000	1347.83
286.0000	1350.62
287.0000	1353.40
288.0000	1356.16
289.0000	1358.89
290.0000	1361.59
291.0000	1364.28
292.0000	1366.97
293.0000	1369.61

Relative Time [hrs]	Recharge Volume [ac_ft]
294.0000	1372.19
295.0000	1374.77
296.0000	1377.35
297.0000	1379.93
298.0000	1382.49
299.0000	1385.00
300.0000	1387.48
301.0000	1389.89
302.0000	1392.29
303.0000	1394.67
304.0000	1396.99
305.0000	1399.31
306.0000	1401.60
307.0000	1403.86
308.0000	1406.13
309.0000	1408.37
310.0000	1410.61
311.0000	1412.83
312.0000	1415.04
313.0000	1417.24
314.0000	1419.43
315.0000	1421.59
316.0000	1423.72
317.0000	1425.83
318.0000	1427.99
319.0000	1430.13
320.0000	1432.25
321.0000	1434.35
322.0000	1436.42
323.0000	1438.42
324.0000	1440.33
325.0000	1442.22
326.0000	1444.10
327.0000	1445.98
328.0000	1447.83
329.0000	1449.67
330.0000	1451.48
331.0000	1453.28
332.0000	1455.05
333.0000	1456.82
334.0000	1458.57
335.0000	1460.32

Relative Time [hrs]	Recharge Volume [ac_ft]
336.0000	1462.06
337.0000	1463.80
338.0000	1465.52
339.0000	1467.22
340.0000	1468.92
341.0000	1470.60
342.0000	1472.27
343.0000	1473.95
344.0000	1475.59
345.0000	1477.20
346.0000	1478.69
347.0000	1480.16
348.0000	1481.61
349.0000	1483.05
350.0000	1484.46
351.0000	1485.83
352.0000	1487.19
353.0000	1488.54
354.0000	1489.88
355.0000	1491.21
356.0000	1492.53
357.0000	1493.69
358.0000	1494.81
359.0000	1495.85
360.0000	1496.89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800.00
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400.00
200.00
0.00
0.00
50.00
100.00
150.00
200.00
250.00
300.00
350.00
Relative Time (hrs)
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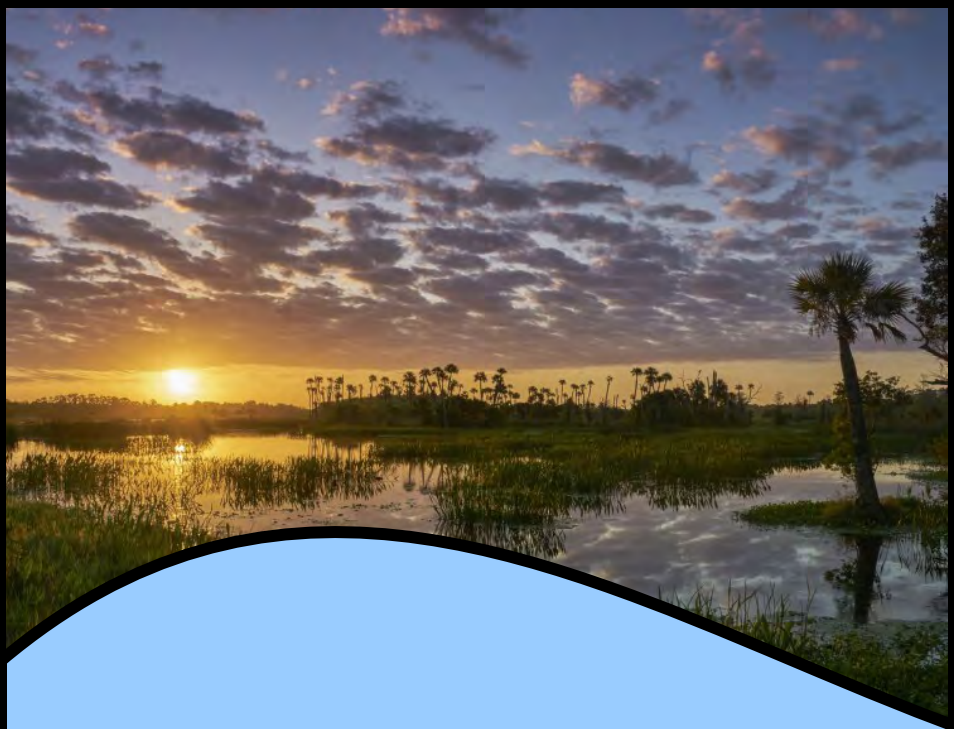
EXHIBIT B

OF INTEGRATED GROUNDWATER / SURFACE WATER ANALYSIS

ENHANCED LAKE MANAGEMENT PLAN





Enhanced Lake Management Plan
Daniels Road South
Lee County, Florida

Prepared By:
Progressive Water Resources, a Division of
RESPEC Company, LLC



August 2022

Daniels Road South – Enhanced Lake Management Plan
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Introduction

The proposed Daniels Road South residential development encompasses approximately 1,233 acres and offers a unique opportunity to enhance water resource benefits within the highly disturbed project site. Currently, approximately 553 acres (45 percent) of the property was historically used for farming but is currently characterized as improved pasture and is currently utilized for livestock grazing, while the remainder of the property is composed of pine and oak forest, palmetto prairie, hydric pine, wet prairies and cypress heads. Onsite observations indicate many areas are heavily infested with invasive plants, namely Melaleuca and Brazilian Pepper. Of the 1,233-acre property, approximately 1,149 acres (93 percent) is located within Lee County's Density Reduction/Groundwater Resource (DR/GR) area, as shown in **Figure 1**. The remaining 84 acres, outside of the DR/GR and south of State Highway 82, are within the Central Urban Land Use category. The property is also located north and west of Lee County's Wild Turkey Strand Preserve.

The property has a long history of farming and has been used for agricultural purposes since the late 1950s, resulting in the creation of numerous historic farm roads and agricultural ditches which facilitated drainage of wetlands and other low-lying areas. In addition, the northern section of the site was part of a large World War II military training facility (Buckingham Army Airfield) that constructed multiple triangular-shaped earthen berms located south of Highway 82 that were part of facility's aerial gunnery ranges. One of the earthen WWII features occurs on the northern section of property and, along with alterations associated with historic farming operations, contributes to the highly-disturbed nature of the site.

As part of the historic farming operations, a prominent northeast-southwest trending elevated dirt road was constructed that resulted in bifurcating the property's drainage, with the western side of the site draining towards the Six Mile Cypress watershed and the eastern side draining towards the Estero River watershed. Onsite observations indicate that the area west of the divide, constituting approximately 415 acres, or 34 percent, remains hydrologically separated from lands to the east and can conceivably be considered as "orphaned" from the balance of the DR/GR. Natural surface water flows originating from the western section of the property also appear constrained by Daniels Parkway. Given the totality of hydrologic alterations that have occurred onsite, the proposed Daniels Road South development offers a unique opportunity to re-establish hydrologic connections that will facilitate hydrologic communication between the orphaned western section of the property with the balance of DR/GR to the east.

Consistent with the proposed hydrologic restoration of the site, the development's proposed irrigation system will seasonally offset proposed groundwater use with surface water stored in dedicated stormwater-wet detention lakes. Irrigation quantities are proposed to be regulated by a centrally-controlled irrigation system whereby individual homeowners are prevented from altering the initiation and duration of irrigation events. The conjunctive use of both ground and surface water supplies significantly reduces groundwater demands when adequate surface water supplies are available (i.e., post-rainy season). Achieving the hydrologic restoration of the property, while conserving water resources, is consistent with Lee Plan policies and goals, and when coupled with the management practices proposed herein, provides a framework of protection measures that enhance and safeguard the water resources of the DR/GR.

In accordance with Lee County's Comprehensive Plan (The Lee Plan), proposed developments within the DR/GR must demonstrate the protection, preservation, and enhancement of groundwater resources and environmental (wetland) systems. As demonstrated herein, the Daniels Road South project offers several important water resource protection measures that will result in the following Water Resource Benefits to the DR/GR:

Water Resource Benefits

- The total proposed lawn and landscape area within the Daniels Road South development is approximately 95 acres and represents a decrease of approximately 458 acres (79 percent reduction) as compared to existing livestock areas.

- The Daniels Road South development will utilize both groundwater and captured stormwater for irrigation, whereby groundwater quantities from the Sandstone Aquifer are used to supplement surface water irrigation supplies within the project's stormwater management system lakes. Irrigation quantities will then be withdrawn from the lakes to irrigate lawn and landscaped areas. The proposed conjunctive use of both ground and surface water is anticipated to conserve groundwater supplies that would otherwise have to be withdrawn from the Sandstone Aquifer. When adequate surface water supplies are available, groundwater usage will be reduced, or possibly eliminated, thereby furthering the project's resource benefits within the DR/GR.

- The project includes a master-controlled irrigation system that will regulate the initiation and overall duration of irrigation events in order to increase irrigation water use efficiency and enhance water conservation (i.e., no individual homeowner will have access to irrigation timers). Evapotranspiration sensors are also proposed for each irrigation pump station and future plans may include an integrated communication system between the controller clocks and the irrigation pump station(s).

- Currently there is little, if any, stormwater attenuation or treatment onsite. Improved surface water quality is anticipated through the creation of numerous interconnected stormwater management system lakes.

- Integrated surface and groundwater modeling indicates that the proposed stormwater management system enhances recharge to the underlying aquifers thereby improving hydrologic conditions within the DR/GR.

- Only professional landscape businesses registered with Lee County will be allowed to perform their services at the Daniels Road South development. Proof of completion of a Lee County-approved Best Management Practices (BMP) training program will be required.

- To further protect the water resources, the Daniels Road South project includes surface water quality monitoring of the proposed internal stormwater lakes to document that no adverse surface water quality conditions will occur as a result of the proposed change in land use.

Collectively, these Water Resource Benefits represent a high level of water resource and environmental protection and, in many cases, exceeds the future land use requirements contemplated by Lee County's Comprehensive Plan. For ease of use and understanding, the contents of the Daniels Road South ELMP contain Sections that address key water resource protection elements, with each of the main ELMP Sections in turn having Subsections that provide specificity regarding the management actions necessary to safeguard the water resources. Where applicable, BMPs are provided to highlight specific water resource protection measures.

Proposed Deviations from Lee County Land Development Code

A portion of the subject property is within the 10,000-foot Airport Wildlife Hazard Protection Zone for the Southwest Florida International Airport. FAA Advisory Circular 150/5200-33B, published August 28, 2007, provides guidance on land uses that have the potential to attract hazardous wildlife on or near public airports and requires 10,000 feet of separation are provided from hazardous wildlife attractants. The advisory also states under the summary for "New storm water management facilities" that "to facilitate the control of hazardous wildlife, the FAA recommends the use of steep-sided, rip-rap lines, and narrow, linearly shaped water detention basins." In addition, the summary states "all vegetation in or around detention basins that provide food or cover for hazardous wildlife should be eliminated." Therefore, the following deviations are incorporated into the ELMP.

1. Deviation from Section 10-329(d)(4) which requires the shorelines of excavations for retention and detention areas to be sloped at a ratio not greater than six horizontal to one vertical from the top of bank to a water depth of two feet below the dry season water table TO PERMIT the shorelines of excavations for retention and detention areas within the Airport Wildlife Hazard Protection Zone ("AWHPZ") to be sloped at a ratio of four horizontal to one vertical from the top of bank to a water depth two feet below the dry season water table with enhanced slope protection measures to be proposed by the project engineer at the time of development order to prevent erosion and scouring. Within the AWHPZ acceptable enhanced slope protection measures may include, but are not limited to, use of an appropriate geosynthetic turf reinforcement mat or similar shoreline stabilization technique and might include hardened structures such as those identified in Section 10-418(3). The design technique(s) used will be determined at the time of development order by the project engineer upon approval by the Director based upon evaluation of site-specific conditions at that time.

2. Deviation from Section 10-418(2) & (3) which require a planted littoral shelf for all surface water management systems to mimic the function of natural systems TO PERMIT those surface water management systems within the Airport Wildlife Hazard Protection Zone to eliminate the planted littoral shelf requirement.

3. Deviation from Section 10-418(2)(d)(3) which limits substitution of native wetland trees to 25 percent of the required number of herbaceous plants TO PERMIT substitution for 100 percent of the required number of herbaceous plants to be native wetland shrubs.

4. Deviation from Section 10-418(3) which limits Bulkheads, Geo-textile tubes, riprap revetments or other similar hardened shoreline structures to 20 percent of an individual lake shoreline and these structures cannot be used adjacent to single-family residential uses TO PERMIT that Bulkheads, Geo-textile tubes, riprap revetments or other similar hardened structures may be used for 100 percent of an individual lake shoreline and may be used adjacent to single-family uses.

Section 1. Historic Surface Water Hydrology

To better understand the proposed water resource management actions contained within this ELMP, it is important to provide a basic context of the historic, pre-development surface water flows on the property. The project site generally exhibits a relatively flat topographic relief, with the highest naturally-occurring land surface elevation of approximately 27 feet NAVD88 located on the northeastern portion of the property, immediately south of Highway 82. The lowest land surface elevations are located to the south and southeast at approximately 21 feet NAVD88.

Prior to agricultural development, the subject property was predominantly characterized as open rangeland and pine flatwoods, interspersed with shallow freshwater forested/shrub and emergent wetlands. Prior to any anthropogenic disturbances, 1944 historic aerials indicate the presence of semi-connected wetland features as shown in **Figure 2**. Development of agricultural operations at the project site began in the early 1950s and farming activities necessitated the construction of a grid pattern of drainage ditches that eliminated the naturally occurring surface water flow paths as shown in **Figure 3**. In addition, a well-defined access road was constructed to provide year-round access to the farm fields and was significant enough to be identified by the South Florida Water Management District (SFWMD) as a surface water basin divide.

In addition, several historical connecting ditches are evident in and around onsite wetlands and were presumably used to shorten hydroperiods and further facilitate drainage. The existing onsite drainage ditches were used to reduce water table elevations and subsequently lower recharge potential. Depending on the ditch characteristics, such features can negatively impact nearby environmental features (wetlands) and consequently the water resources within the DR/GR. Hydrologic alterations can also favor the growth of exotic and nuisance plant species.

Please note that the Daniels Road South property occurs within a single Water Body Identification (WBID) No. $3258D_3$ (Estero River), which is not impaired as reported by the Florida Department of Environmental Protection (FDEP). It is important to note that the FDEP places the entire property within the Estero River WBID and does not differentiate the site into eastern and western sections.

Given the totality of hydrologic alterations that have occurred onsite, the proposed Daniels Road South development offers a unique opportunity to re-establish hydrologic connections that will facilitate hydrologic communication of the orphaned western section of the property with the balance of DR/GR. The proposed flow-pathway will preferentially allow movement of seasonally high surface waters to be conveyed towards the southeast corner of the property as occurred historically. In addition, the Daniels Road South project aims to eliminate wetland rim-ditching to help restore the wetland systems' hydroperiods.

Section 2. Proposed Water Resources Best Management Practices

As the Daniels Road South project evolves from predominately a "construction phase" to "partial construction" and ultimately to a "post-construction" residential phase, the BMPs must also evolve to maintain water resource protection. Construction completion of the proposed development may take between 5 and 10 years, depending on market conditions. However, the initiation of construction is anticipated to commence prior to the end of 2023. At the onset of development construction, all cattle are proposed to be removed from the site.

A. Construction Phase BMPs

During construction of the proposed development, the greatest potential for impacts is associated with increased turbidity and/or potential spills of fuels/oils (hydrocarbons), otherwise known as Volatile Organic Compounds (VOCs) used to power earthmoving equipment, etc. Specific BMPs associated with the construction phase are provided below. The Developer will be responsible for maintaining compliance with all ELMP BMP requirements until such time that control of the development is transitioned to the Homeowner's Association (HOA) and/or Community Development District (CDD).

1. The site's general contractor shall be responsible for assuring that each contractor or subcontractor evaluates the work area before construction is initiated to determine if site conditions may pose particular problems for the safe and secure handling of any regulated substances.

2. If any regulated substances are stored on the construction site during the construction process, they shall be stored in a location and manner which will minimize any possible risk of release to the environment. There will be no intention to use, handle, produce or store regulated substances in violation of the Lee County Land Development Code Section 14-477, Stormwater Pollution Prevention Plan (SWP3) criteria.

3. Each contractor/subcontractor shall familiarize themselves with the manufacturer's safety data sheet supplied with each material containing a regulated substance and shall be familiar with procedures required to contain and clean up any releases of a regulated substance. Any tools or equipment necessary to accomplish the same shall be available in case of an accidental release.

4. In the event of a spill of a regulated substance, the contractor/subcontractor will immediately notify the Developer, who will in turn notify the Lee County Division of Natural Resources Director at (239) 533-8109 and the Florida Department of Environmental Protection (FDEP) South District Office at (239) 344-5600. Additional measures, such as those described in this ELMP's Section 4 (Part A), may also apply.

5. Upon completion of construction, all unused quantities of regulated substances and their containment systems shall be completely removed from the construction site.

6. Proper turbidity abatement measures, as required by the SFWMD, the Florida Stormwater Sedimentation Control Inspector's Manual standards, and the FDEP National Pollutant Discharge Elimination System (NPDES) permit criteria, will be maintained while construction is ongoing or

until adequate vegetation or other stabilization measures have been established.

B. Post-Construction Phase BMPs

After the Lee County Certificate of Compliance or the SFWMD stormwater management system certification is completed for a particular phase of the development, the primary focus of the ELMP will be maintaining the stormwater management system lakes since all internal runoff will be routed to these features for treatment. It is also anticipated that the Developer will establish and create an HOA and/or a CDD that will be responsible for the operation and maintenance of all aspects of the stormwater management system including the lakes, associated stormwater conveyance and control components, and the flow-path connection in perpetuity. At a minimum, the operation and maintenance of the stormwater management and flow-path system will require compliance with the terms and conditions contained within this ELMP. Additional details on BMPs, including monitoring of surface water, are provided in **Section 3** below.

Section 3. Lake Maintenance

A. General Provisions

Proper lake maintenance is an integral aspect of this ELMP since internal stormwater runoff is directed to these features for treatment and attenuation. As an added protection to underlying groundwater resources, the excavation of the lakes will not penetrate any continuous impervious layer of clay or rock. In addition, the groundwater withdrawn from the proposed (new) onsite Sandstone Aquifer wells will be used to replenish a subset of stormwater lakes as needed for use in the master irrigation system.

As shown in the conceptual layout provided as **Figure 4**, surface water irrigation pumps will "repump" groundwater supplies and retained stormwater (surface water) for the irrigation of the residential development. The recycling of surface water quantities is expected to further improve water quality on the property and maintain high water quality in the lakes. The stormwater lakes must be maintained in perpetuity and the following management actions are proposed. Specific post-construction BMPs are also provided.

B. Deep Lake Management

If any of the Daniels Road South stormwater management lakes are proposed to be constructed deeper than 12 feet in depth. In accordance with Lee County Land Development Code Section 10-329(d) (3), these lakes are designated as "deep lakes" and are subject to specific criteria. Based on Lee County Code, the proposed deep lakes will satisfy the following criteria:

1. The stormwater management deep lakes will not exceed a maximum water depth of 20 feet and will not penetrate any continuous impervious layer of clay or rock.
2. A destratification (i.e., aeration) system will be installed in any lake that exceeds a 12-foot water depth. Documentation that the proposed destratification system is adequately-sized and designed for each lake deeper than 12 feet will be submitted to Lee County for approval. An example of a deep lake aeration device is provided as **Appendix A**.
3. Native shade trees meeting the specifications of Lee County Land Development Code Section 10-420 will be planted around each deep lake perimeter at approximately one tree per 100 feet of lake shoreline measured at the detention lake's water level control elevation. Trees and other plants may be grouped or clustered together around the lake perimeter.
4. The deep lake management techniques, including operation of the destratification system, will be maintained for the life of the stormwater management system and will be recorded in the development's covenants, in accordance with the County Attorney's Office.
5. A post-construction bathymetric survey verifying each deep lake's finished water depth, sealed by a professional surveyor and mapper, will be submitted to Lee County for approval.

C. Nuisance and Exotic Vegetation Control

The HOA and/or CDD will be responsible for the removal (in perpetuity) of all nuisance and exotic vegetation from the stormwater management system as defined by the Lee County Land Development Code.

1. Lakes must be inspected annually and any prohibited vegetation must be removed by the use of hand-clearing or appropriate chemical treatment. Only aquatic- approved compounds may be utilized in the stormwater management system lakes.

2. Herbicides and/or algaecides may only be applied by a licensed professional applicator who meets the requirements of Lee County, and in accordance with manufacturer specifications. All applicable local, state and/or federal guidelines and requirements will also be followed.

D. Littoral Vegetation Preservation

Littoral zone vegetation is required to be installed by the Developer and maintained by the HOA and/or CDD (in perpetuity). Littoral zones provide habitats for wading birds, fish and aquatic invertebrates and also help to stabilize shorelines and reduce lake bank erosion.

1. Littoral plants that die will be replaced in accordance with Lee County Land Development Code requirements. The presence of littoral plants throughout the lakes is desirable and may also help to improve the water quality within the lakes.

2. The spread of littoral plants will be encouraged throughout the designated littoral areas.

3. Mechanical trimming or the use of land-based herbicides on desirable littoral plants is prohibited. Any trimming or removal of vegetation required to promote the survival and viability of littoral vegetation will be performed by hand or by approved aquatic herbicides and methods.

E. Fertilizer Application

Strict adherence will be maintained with Lee County's Fertilizer Ordinance. Individual lot owners are prohibited from applying fertilizer to their lots. Any person(s) applying fertilizers must have received a limited certification in compliance with Florida Statute 482.1562 prior to application of any and all fertilizers. Additionally, fertilizer content and application rate must be in compliance with Lee County's Fertilizer Ordinance. The Lee County Fertilizer Ordinance No. 08-08 is provided as **Appendix B**.

1. All professional landscape businesses must register with Lee County prior to performing landscape fertilization services within unincorporated Lee County.

2. At least one (1) employee of a firm employed to perform landscape fertilization services must be a Certified Professional Landscaper.

3. Proof of completion of a Lee County-approved BMP training program must be provided to the Division of Lee County Natural Resources.

4. At least one (1) BMP-trained employee must be onsite while fertilizers are applied. A registration decal provided by the division must be displayed on all company vehicles.

F. Erosion Protection and Lake Bank Maintenance

Lake banks are susceptible to erosion due to overland flow of stormwater runoff, wave action, and the natural seasonal fluctuation of water levels. Accordingly, lake banks within the project are designed to minimize this potential for erosion.

1. Lake banks will be inspected annually to identify areas of erosion. Once identified, the erosion will be repaired and the source of erosion shall be eliminated, if possible.

2. Where excessive erosion occurs, repair of the lake banks and/or enhancement of stabilization measures may be necessary.

3. No motorized boats will be allowed within any of the onsite stormwater management lakes.

G. Lake Education Program

A narrative explaining the benefits of littoral vegetation, lake maintenance and surface and groundwater quality will be made available to residents.

1. Lake experts will be encouraged to attend the HOA and/or CDD meetings annually to discuss the lake system operation and maintenance requirements.

2. Homeowners will be informed that they are prohibited from removing or trimming littoral vegetation.

3. Additionally, the homeowners will be made aware of the extreme importance regarding any introduction of hazardous materials or substances into the lakes.

H. Pesticide, Herbicide or Fungicide Applications

All applications of pesticides, herbicides, algaecides and/or fungicides shall be applied by a licensed professional applicator, meet the requirements of Lee County, be applied in accordance with the manufacturer's specifications, and shall meet all applicable local, state and/or federal guidelines and requirements. Only approved aquatic herbicides may be used to treat the stormwater management system.

1. Homeowners shall be prohibited from applying pesticides, herbicides and/or fungicides to their lots. These activities will only be performed by certified contractors approved by the HOA and/or CDD.

2. The use of any chemical product in a manner that will allow airborne or waterborne entry of such products into the stormwater management system is prohibited. This requirement shall not apply to the use of chemical agents by certified lake management specialists for the control of algae and nuisance vegetation within the stormwater management system lakes. However, application of such agents shall be in compliance with the requirements of Lee County, applied in accordance with the manufacturer's specifications, and meet all applicable local, state and/or federal guidelines and requirements.

3. Pesticides, fungicides and herbicides will be used only in response to a specific problem and in the manner and amount recommended by the manufacturer. Broad application of pesticides, fungicides and herbicides as a preventative measure is prohibited.

I. Southwest Florida International Airport Land Use Restrictions

As mandated by Lee County Land Development Code, no proposed land use changes can interfere with the safe operation of aircraft originating from, or flying into, the Southwest Florida International Airport, located to the southwest of the subject property. (See the proposed deviations from Lee County's Land Development Code included herein).

1. No land use alterations are allowed within the designated airport exclusion zone that will produce a wildlife attractant hazard that is considered greater than the existing, historic conditions. If such an attractant is identified by the Lee County Port Authority, the landowner will have the full and sole responsibility of eliminating the hazardous situation at their expense.

2. All stormwater management ponds, lakes, canals, conveyances, and other features are to be designed and constructed in accordance with Federal Aviation Administration (FAA) recommendations that discourages wildlife.

3. The use of rock-lined, steep-sided stormwater basins is required within the airport exclusion zone to facilitate the control of potentially hazardous wildlife. The rocks help to hide the water during periods of low inundation and help discourage shoreline vegetation and wildlife foraging along shorelines. Stormwater lakes located within Southwest Florida International Airport's 10,000-foot Hazardous Wildlife Buffer will be maintained free of emergent and submergent vegetation. Vegetation management techniques may include, but are not limited to, hand pulling of vegetation, herbicide application and removal with mechanical equipment.

J. Commercial Area Adjacent to State Highway 82

The lake maintenance requirements and BMPs described within this Section also pertain to the commercial development area located along State Highway 82.

Section 4. Wellfield Protection

A. Green Meadows Wellfield Protection

The Daniels Road South development is located approximately 0.1 miles north of the nearest Lee County Wellfield Protection Zone associated with the Green Meadows Wellfield, located adjacent to the Florida Rock Properties, Inc.'s mining operation, as shown in **Figure 5**. Therefore, additional measures regarding Wellfield Protection are not applicable to this ELMP. The level of water quality assurance offered by this ELMP offers abundant assurance that, in the unlikely event that degradation of water quality or contamination occurs, ample time exists to initiate remedial measures and safeguard Lee County's nearest wellfield. In addition, surface water quality monitoring is also proposed for the Daniels Road South project, as shown in **Figure 6**.

Section 5. Surface Water Quality Monitoring Program

A. General Data Quality Objectives

All surface water quality samples will be collected in accordance with Chapter 62-160, Florida Administrative Code (F.A.C.), and the FDEP's Standard Operating Procedures (SOPs) DEP-SOP-001/01 FQ 1000 Field Quality Control Requirements and FDEP-SOP-001/01 FS 2100 Surface Water Sampling. A summary of the proposed surface water sampling schedule is provided in the attached **Table 1**.

B. Surface Water Monitoring Goals

The purpose of the surface water monitoring program is to assure that surface water coming onto, originating within, and leaving the project meet all applicable requirements of the SFWMD Environmental Resource Permit (ERP) program authorized pursuant to Part IV of Chapter 373, F.S. and all applicable requirements of Chapter 62-302, F.A.C., Surface Water Quality Standards. Additionally, water quality monitoring of the designated stormwater management lakes will verify the efficiency of the ELMP management actions and assure the lakes' health for the residents' enjoyment. Additional surface water quality parameters may be required if the FDEP determines that the sub- watershed or FDEP WBID No. $3258D_3$ becomes impaired. Please note that a single set of project background samples are proposed once the stormwater lakes are constructed and rehydrated. Future monitoring of the proposed stormwater lakes will be compared to and contrasted with the initial background testing results.

C. Surface Water Quality Monitoring

Surface water quality grab samples will be collected per FDEP protocol and analyzed by a NELAC/TNI-certified laboratory. The surface water quality parameters to be tested are listed below and summarized in the attached **Table 2.** In addition, the attached **Table 2** also includes the laboratory's Accuracy, Precision and minimum Method Detection Limit (MDL). Please note that the Practical Quantitation Limit (PQL) for each parameter varies between laboratories, however the PQL typically equates to four times the MDL.

- **Field Parameters – Depth of Water, Dissolved Oxygen, pH, Temperature, Total Dissolved Solids, Turbidity and Specific Conductivity**

- **Lab Parameters – Total Nitrogen, Nitrate and Nitrite, Ammonium, Ammonia, Total Kjeldahl Nitrogen, Total Phosphorus, Chlorophyll-a, and Ortho-phosphate.**

Surface water quality monitoring shall be continued for a minimum of five (5) years after operational completion of the stormwater management system. After five (5) consecutive years of testing, a request for discontinuation or reduction in the monitoring requirements will be proposed to the Lee County Natural Resources Department if it can be demonstrated that the surface water quality is being maintained within applicable State standards.

Section 6. Water Quality Data Reporting and Analysis

Surface water quality data will be submitted to the Lee County Natural Resources Department staff in an approved electronic format within 30 days of receiving results from the contract laboratory if an issue has been detected. Otherwise, data will be submitted annually. The submittal will include all field notes, field and laboratory water quality data results and all previously collected (i.e., period of record) water quality data. The submittals will also include a brief narrative on the most recent sample collection, sample chain of custody, descriptions of any re-testing of erroneous values, and any water quality exceedances.

By **March 1 of each year**, a Water Quality Summary Report for the preceding calendar year shall be supplied to Lee County Natural Resources staff which summarizes the surface water testing results for the development. The results will include a summary table that lists all the field and laboratory parameters for the monitoring locations. Laboratory parameter concentrations that fall below the PQL for that parameter will be reported with no value; however, a value qualifier of "I" (i.e., between the MDL and PQL) or "U" (below the MDL) will be included in the summary table.

All water quality data for the analytes listed in the attached **Table 2** that are detected in concentrations above the laboratory PQL will be reviewed, graphed and statistically analyzed for trends and exceedances above two (2) standard deviations of the mean of all values. Any reported concentrations above the MCL will be clearly identified, as well as remedial actions which were used to timely reduce that particular analyte's concentration. Where appropriate, testing results for constituents already proposed, i.e., Dissolved Oxygen, pH, and Specific Conductance can be compared to Chapter 62-302.530 criteria for Class III waters.

Section 7. Remedial Actions

In the unforeseen event that any significant surface and/or groundwater impacts are identified as a result of a hydrocarbon spill or pesticide/herbicide application at the subject property, the Developer or designee of the HOA and/or CDD will notify the Director of the Lee County Natural Resources Division within no more than 12 hours (or next business day). If a spill or release "presents an immediate threat to human health and/or the environment" then the FDEP Office of Emergency Response (OER) will be contacted within 24 hours. Guidance outlining the definition of a release as well as reporting procedures is presented in the OER webpage located at:

http://www.dep.state.fl.us/per/reportable incident.htm.

The Developer or their successor(s) will coordinate contamination assessment and remediation efforts with Lee County and will comply with applicable local, state and federal permitting requirements. The initial phase of the remediation plan will consider the actions outlined in Section 4 and may consist of additional temporary monitoring wells installed for the short-term temporal monitoring of potential subsurface impacts and to evaluate the horizontal and the vertical distribution of the impacted area. Based on the findings of the initial phase, if necessary, a more comprehensive assessment may be required.

Section 8. In Conclusion

The information and technical requirements in this ELMP are provided to the Developer or designee of the HOA and/or CDD to assist with understanding the importance of a well-maintained and fully-functioning stormwater management system. The stormwater management system lakes within the development are not only required by State law but can also be a source of beauty and enjoyment for the residents while maintaining the value and integrity of the water resources. The Daniels Road South recreated flow-path will enhance and promote increased recharge to the shallow Water Table Aquifer. Therefore, the groundwater resource benefits and the management actions required herein demonstrate an exceptional level of protection, preservation and enhancement of groundwater and surface water resources within the DR/GR.

Table 1

Water Quality Sampling Schedule

Date	Sample Type	Sample Location
January-31	N/A	N/A
February-28	N/A	N/A
March-31	N/A	N/A
April-30	N/A	N/A
May-31	Surface Water	6 Locations
June-30	N/A	N/A
July-31	Surface Water	6 locations
August-31	N/A	N/A
September-30	Surface Water	6 locations
October-31	N/A	N/A
November-30	N/A	N/A
December-31	N/A	N/A

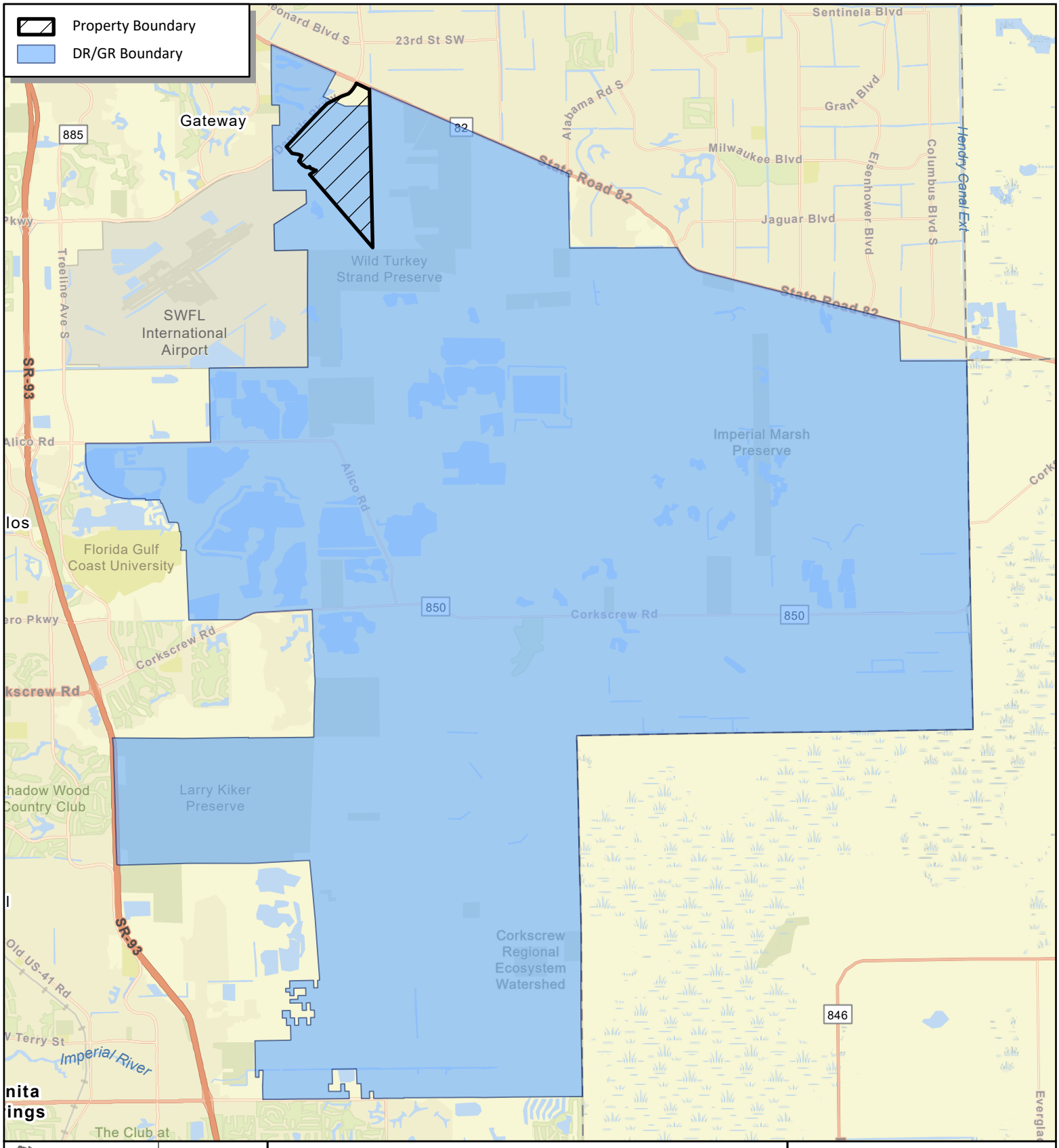
*See Figure 6 for surface water quality sampling locations

Table 2

Surface Water Quality Analytes

Field Parameters					
Parameter	**Units**	**Precision (%RPD)**	**Accuracy (%Recovery)**	**MDL**	**Sampling Frequency**
Depth of Water	Feet	0.01	NA	NA	3 times per year
Dissolved Oxygen	mg/L	FT 1000-1	FT 1000-1	NA	3 times per year
pH	SU	FT 1000-1	FT 1000-1	NA	3 times per year
Temperature	Deg C	FT 1000-1	FT 1000-1	NA	3 times per year
Total Dissolved Solids	mg/L	FT 1000-1	FT 1000-1	NA	3 times per year
Specific Conductivity	µS/cm	FT 1000-1	FT 1000-1	NA	3 times per year
Laboratory Parameters (Nutrients)					
Total Nitrogen	mg/L	CALC	CALC	CALC	3 times per year
Nitrite + Nitrate	mg/L	5	90-110	0.004	3 times per year
Ammonium	mg/L	CALC	CALC	CALC	3 times per year
Ammonia	mg/L	17	90-110	0.008	3 times per year
Total Kjeldahl Nitrogen	mg/L	11	90-110	0.05	3 times per year
Total Phosphorus	mg/L	10	90-110	0.008	3 times per year
Chlorophyll-a	mg/L	20	93-108	0.25	3 times per year
Ortho-phosphate	mg/L	10	88-118	0.002	3 times per year

Notes:



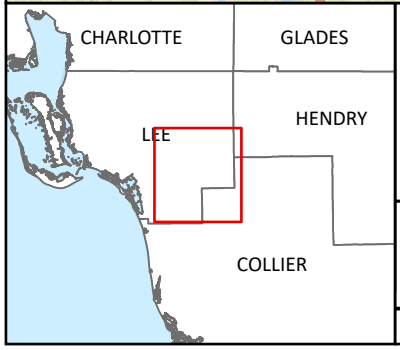


Figure 1
Daniels Road South and the DR/GR
Lee County, Florida

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Image: ESRI World Street Map

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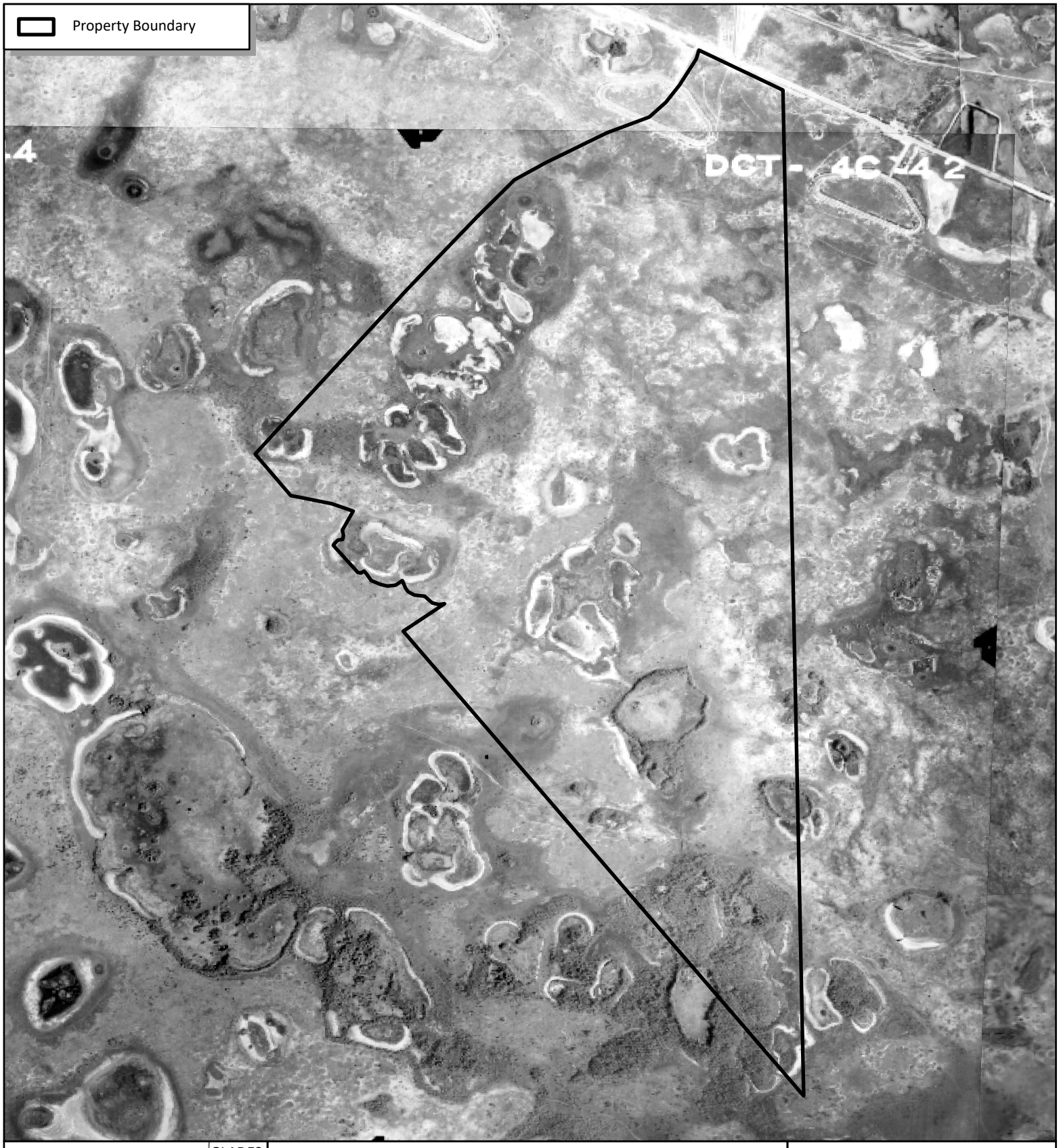

CHARLOTTE | GLADES | HENDRY | LEE | COLLIER

Figure 2
Daniels Road South
1944 Historic Aerial Imagery
Lee County, Florida

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Scale: 1:22,000

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Integrated Water Resource Consultants
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ge: UFDC 1944 Historic Aerial Imagery



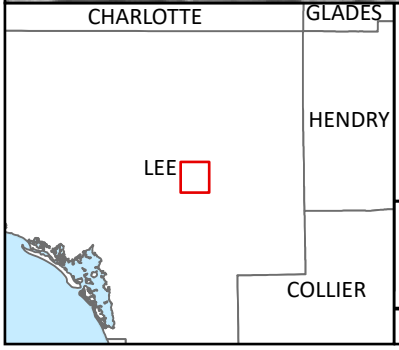

Figure 3
Daniels Road South
1958 Historic Aerial Imagery
Lee County, Florida

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Image: UFDC 1958 Historic Aerial Imagery

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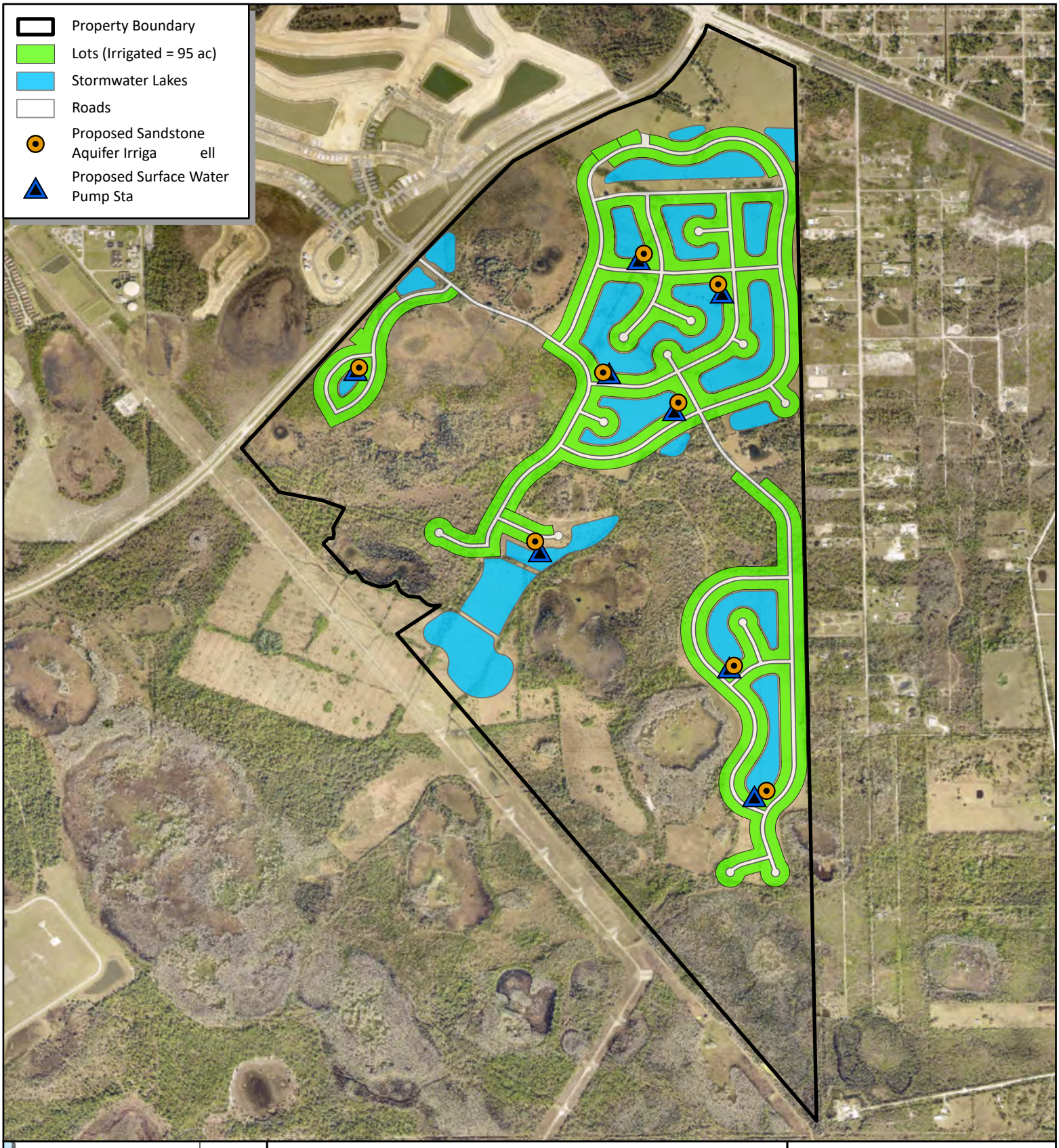

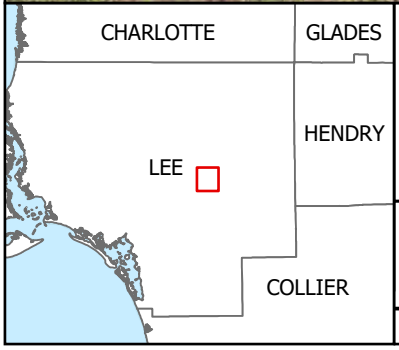

Figure 4
Daniels Road South
Conceptual Layout and
Proposed Withdrawals
Lee County, Florida

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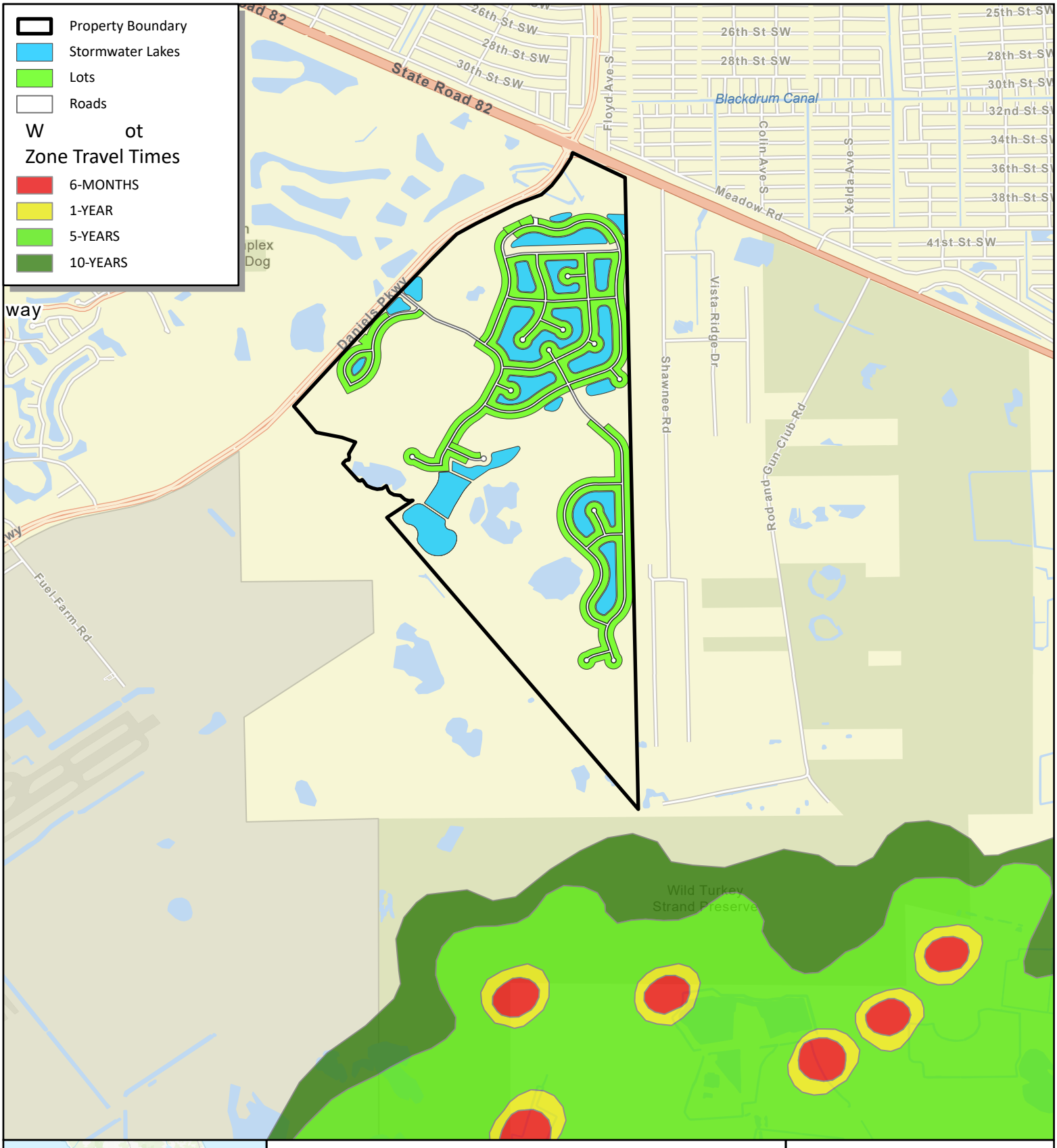



Figure 5
Daniels Road South
Proximity to Lee County
Well otec one
Lee County, Florida

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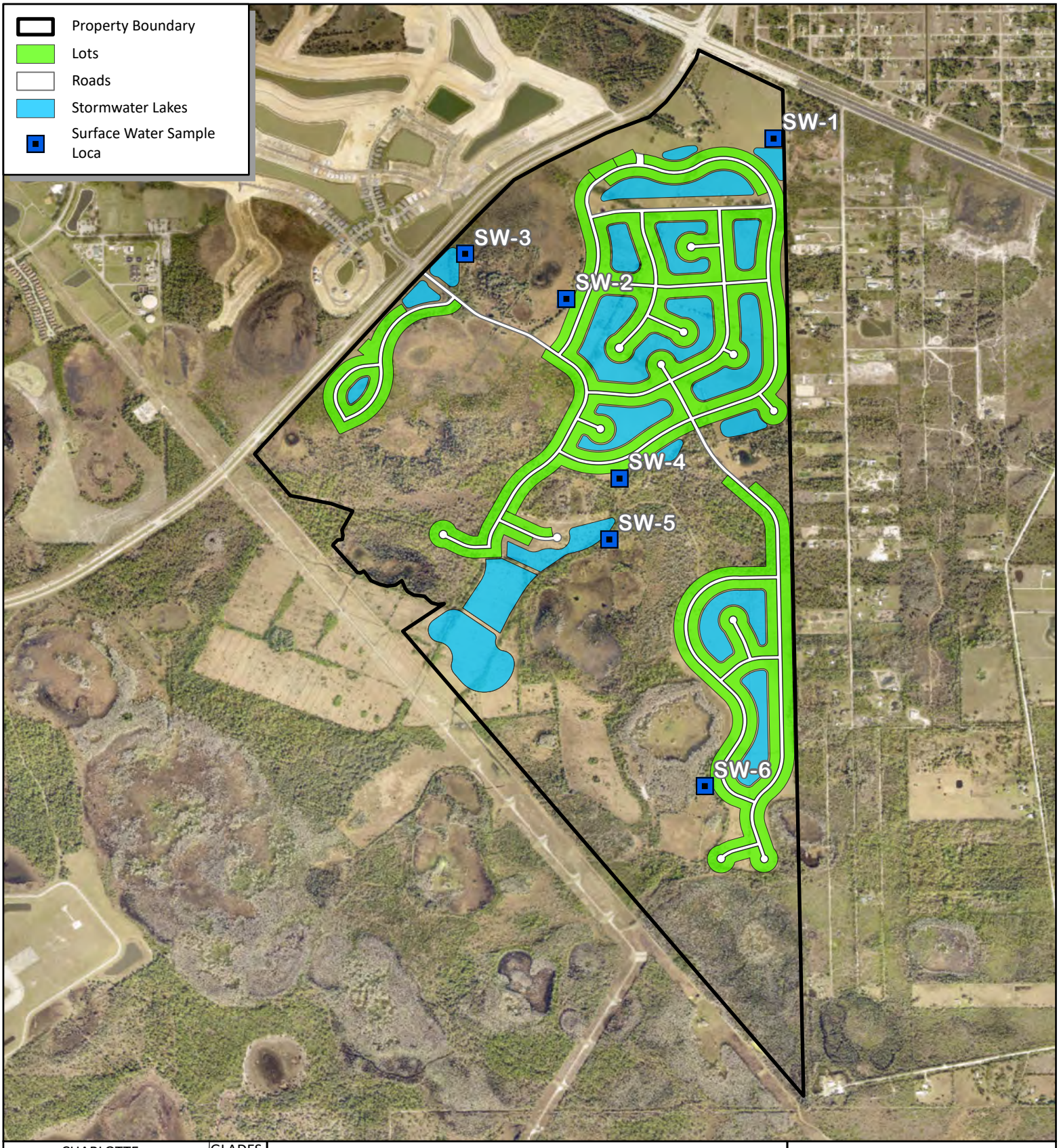

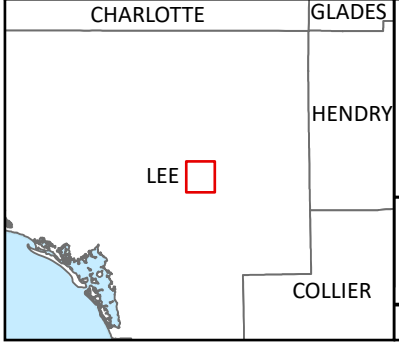

Figure 6
Daniels Road South
Proposed Surface Water Sampling Loca
Lee County, Florida

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Image: ESRI World Imagery

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APPENDIX A

Example of Deep Lake Aeration Device

Vertex Water Features
Pond and Lake Aeration
BOTTOM AERATION

With Vertex MicronBubble™ Technology



AIR3 XL2™

The Vertex Air3 XL2™ pond aerator is a super-efficient, affordable and safe system. In a typical pond, an Air3 XL2™ can aerate approximately 3-4 acres depending on shape, slope, oxygen demand and other factors. A 1/2hp (0.37kW) Brookwood™ SafeStart™ compressor, housed in our rustproof aluminum outdoor cabinet, feeds three bottom mounted CoActive AirStations™ utilizing Vertex's MicronBubble™ technology. The rising force of millions of bubbles circulates the entire water column, entraining bottom water up to the surface allowing vital oxygen to be absorbed and poisonous gasses expelled. With no electricity in the water, Vertex's aeration systems are safe for any type of water recreation.

Our systems have a full 3-year Vertex warranty, excluding wearable parts (air filters and compressor maintenance kits) plus a Limited Lifetime warranty against rust and corrosion on the cabinet, 5-year warranty on the AirStations™ and a 15-year warranty on BottomLine™ supply tubing.

FEATURES

AIRSTATIONXL2™

- Total pumping capacity of up to 11,400 GPM
- Six 9" flexible membrane discs with MicronBubble™ technology
- Shallow water Airstation optional for depths lower than 8'
- Self-cleaning, low maintenance
- Powder-coated stainless steel self-sinking base unit designed to prevent sinking into soft bottom sediments
- 5-year "No Questions" warranty

BROOKWOOD™ COMPRESSOR

- 3-year Vertex warranty, excluding wearable parts (air filters and compressor maintenance kits)
- Vertex SafeStart™ Technology
- UL, 115v or 230v, 35 Max PSI
- Thermal overload protection
- 1/2hp (0.37kW): low electrical costs
- 2-3 year extended duty cycle between scheduled maintenance

QUIETAIR™ CABINET

- Class "A" GFCI protection on all 115v circuits
- Powder coated aluminum for a durable attractive finish
- High capacity 290 CFM fan
- Easy access design with cam lock
- Easy plug-in connection to waterside electrical service
- Disconnect switch
- Heavy duty, light weight mounting pad included
- Sound dampening kit optional
- Limited lifetime warranty against rust

BOTTOMLINE™ TUBING

- Over-sized I.D. for high flow
- Self-weighted for easy installation
- Available in 100' and 500' increments
- 15-year Vertex warranty

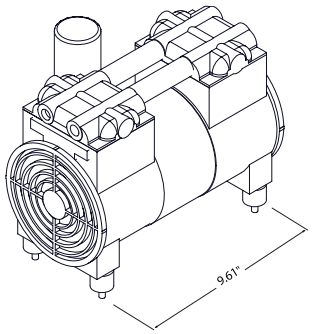
BENEFITS TO THE LAKE

- High pumping rate easily penetrates stratification layers
- Circulates entire water column
- Increases oxygen levels throughout water column
- Promotes beneficial bacteria growth
- Prevents low oxygen fish kills
- Reduces nutrient levels and associated algae growth
- Oxidizes/reduces bottom muck
- Expands oxygenated habitat for improved fisheries
- Reduces aquatic midge and mosquito insect hatches
- Eliminates foul odors from undesirable dissolved gases
- Safe entry – no electricity in the water
- Extremely energy efficient

SPECIFICATIONS: AIR3 XL2™ LAKE AERATION SYSTEM

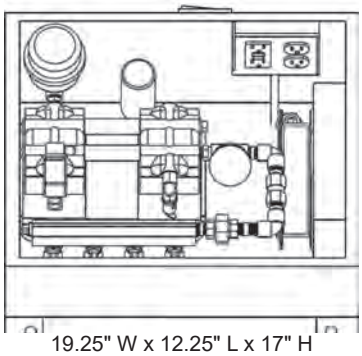
BROOKWOOD™ COMPRESSOR

1/2hp (0.37kW), 115v or 230v, Single Phase piston type compressor. Built for continuous 24/7 operation and equipped with Vertex SafeStart™ technology allowing auto restart under maximum rated pressure without motor damage. Super-duty Brookwood™ compressors incorporate upgraded rotors, stators, valve plates, bearings and capacitors and are thermally protected, oil-free, and require no lubrication; just periodic cleaning of included washable air filter. Extended duty cycle is approximately 2 to 3 years for compressor maintenance, about 2 to 3 times the duty cycle of ordinary piston and rotary vane compressors. All Brookwood™ SafeStart™ compressors carry a 3-year Vertex warranty, excluding wearable parts (air filters and compressor maintenance kits).



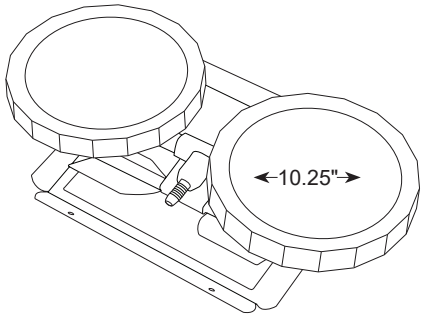
QUIETAIR™ CABINET

Enclosure comes equipped with cam lock for security, fully gasketed and constructed of aluminum with gray electrostatically-bonded powder coating to provide Limited Lifetime warranty against cabinet rust and corrosion. Enclosure furnished with stamped ventilation grills to insure forced air circulation and an integral cooling fan with thermal protection, producing 290 CFM to guard against excessive compressor operating temperatures. Cabinet provided with HDPE mounting pad. Enclosure comes with class a GFCI protection on both the compressor and fan circuits. Quick disconnect switch included. Side mounted muffler box and additional insulation optional for quiter operation.



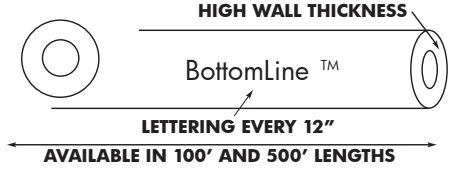
AIRSTATION XL2™ ASSEMBLY

Diffuser station consists of two self-cleaning, 9" diameter, flexible membrane diffusers of EPDM compound with 100% rebound memory, each producing millions of fine 500 to 3000 micron bubbles – the majority 500 to 1000 microns. Each diffuser station base unit is made of powder-coated stainless steel and designed to prevent settling into soft bottom sediments. AIRSTATION™ is designed with adjustable diffuser riser to accommodate any site requirements. AirStations are independently tested and verified to provide stated pumping rates. 5-year warranty.



BOTTOMLINE™ SUPPLY TUBING

Self-weighted, direct burial submersible tubing for connection from compressor to diffuser stations. Tubing is flexible PVC composite construction for use with standard PVC solvent weld cement and insert fittings. Tubing has 0.58" I.D. and high wall thickness for long term durability and protection against punctures. Remains flexible in cold temperatures.



Vertex Water Features
Pond and Lake Aeration
(844) 432-4303 • info@vertexwaterfeatures.com
www.vertexwaterfeatures.com

Install all electrical equipment in accordance with Article 682 of the National Electrical Code and all local codes. Vertex Water Features reserves the right to improve and change our

without notice or obligation.
©Vertex Water Features rev.051116

APPENDIX B

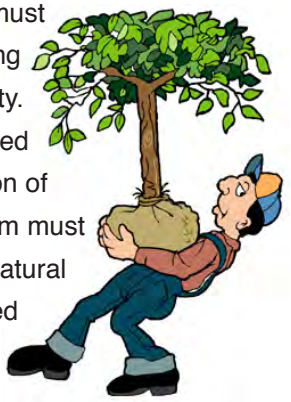
Lee County Fertilizer Ordinance No. 08-08

LEE COUNTY FERTILIZER ORDINANCE (08-08)

APPLICATION: This ordinance applies to anyone performing lawn care and maintenance on turf and/or landscape plants within unincorporated Lee County as a "professional landscape business" or an "institutional landscaper". This ordinance does not apply to individual homeowners who perform their own landscape maintenance.

EFFECTIVE DATE: This ordinance goes in to effect on May 13, 2009.

REGISTRATION:



- All professional landscape businesses must register with Lee County prior to performing landscaping within unincorporated Lee County. At least one (1) employee must be a Certified Professional Landscaper. Proof of completion of a Lee County approved BMP training program must be provided to the Division of Lee County Natural Resources. At least one (1) BMP trained employee must be on site while fertilizers are applied. A registration decal provided by the division must be displayed on all company vehicles. NOTE: An example of a professional landscape business is any company you hire to perform landscaping at your home.
- All institutional landscapers must follow the same registration guidelines as professional landscape businesses with the exception of displaying a registration decal on company vehicles. NOTE: An example of an institutional landscaper is the in-house landscape maintenance staff at Shadow Wood.

TRAINING & CERTIFICATION:

- Florida Green BMP training & certification can be completed through the Lee County Extension Service. This must be done prior to registration.
- Non-professional landscapers are not required to complete the Florida Green BMP training & certification, but are strongly encouraged to participate in the University of Florida IFAS Florida Yards & Neighborhoods Outreach & Public Education Program. This applies to individual owners of single-family residential units who perform lawn care and maintenance on turf and/or landscape plants.

TIMING OF FERTILIZER APPLICATION: Fertilizers containing Nitrogen (N) and/or Phosphorus (P) may not be applied on turf and/or landscape plants from June 1 through September 30.

FERTILIZER CONTENT/APPLICATION RATE:

- Phosphorus (P) in any fertilizer may not exceed a rate of 0.25 lb. per 1,000 sq. ft. per application.
- Phosphorus (P) in any fertilizer may not exceed a rate of 0.50 lbs. per 1,000 sq. ft. per year.
- All fertilizers applied must contain at least 50% slow release nitrogen (N).
- Nitrogen (N) in any fertilizer may not exceed a rate of 4 lbs. per 1,000 sq. ft. per year.

IMPERVIOUS SURFACES: No fertilizers should be deposited, intentionally or accidentally, on an impervious surface such as a driveway, sidewalk or street.

BUFFER ZONES: No fertilizers shall be applied on turf and/or landscape plants within ten (10) feet of a water body, seawall or wetland. (See Florida DEP chapter 62-340)

MODE OF FERTILIZER APPLICATION: When using a rotary spreader, use of a deflector shield is required to deflect fertilizers away from water bodies, seawalls and wetlands.

LOW MAINTENANCE ZONES (NO MOW): A voluntary six (6) foot low maintenance zone is strongly recommended from any water body, seawall or wetland.

GRASS CLIPPINGS/VEGETATIVE MATERIAL: No grass clippings or vegetative materials shall be deposited into storm drains, ditches, water bodies, roadways or other impervious surfaces.

EXEMPTIONS (ordinance does not apply to):

- New landscaping in place for less than sixty (60) days.
- Vegetable gardens as long as they are not within fifteen (15) feet of a water body, seawall or wetland.
- Yard waste, compost or mulches applied to improve the soil.
- Reclaimed water used for irrigation which usually contains high amounts of nitrogen and phosphorus.
- Farm operations.
- Pastures used for grazing livestock.
- Golf courses.
- Specialized turf areas (parks, cemeteries, athletic fields, golf practice areas).

ENFORCEMENT & PENALTIES:

- This ordinance shall be enforced by designated Lee County officials and/or inspectors.
- First violation…$100.00
- Second violation…$250.00
- Third and subsequent violations…$500.00



ATTACHMENT 9

DANIELS PARKWAY SOUTH
COMPREHENSIVE PLAN AMENDMENTS
CPA2021-00017 & CPA2021-00018

COMMUNITY MEETING SUMMARIES EXHIBITS
M20

[September 9, 2022]

EXHIBIT A

OF COMMUNITY MEETING SUMMARIES
EXHIBIT – M20

LEHIGH ACRES COMMUNITY SUMMARY & AD

Daniels South

Comprehensive Plan Amendment & Planned Development

Meeting Summary

On April 4th, 2022 a meeting was held at the East Lee County Regional Library, 881 Gunnery Road North, Fort Myers, FL beginning at 5:30 pm. No members of the public attended the meeting. Representatives from Lennar Homes LLC, Morris-Depew Associates, Inc., and Pavese Law Firm stayed at the meeting location from 5:15 pm to 6:00 pm.



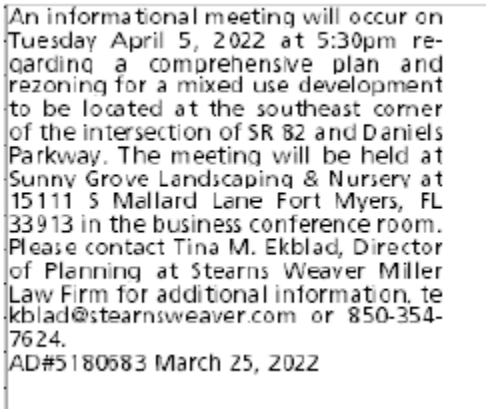
EXHIBIT B

OF COMMUNITY MEETING SUMMARIES
EXHIBIT – M20

SOUTHEAST LEE COUNTY COMMUNITY SUMMARY & AD

Daniels South
Comprehensive Plan Amendment & Planned Development
Meeting Summary

On April 5th, 2022 a meeting was held at Sunny Grove Landscaping & Nursery, 1511 South Mallard Lane, Fort Myers, FL beginning at 5:30 pm. No members of the public attended the meeting. Representatives from Lennar Homes LLC, Morris-Depew Associates, Inc., and Pavese Law Firm stayed at the meeting location from 5:15 pm to 6:00 pm.


An informational meeting will occur on Tuesday April 5, 2022 at 5:30pm regarding a comprehensive plan and rezoning for a mixed use development to be located at the southeast corner of the intersection of SR 82 and Daniels Parkway. The meeting will be held at Sunny Grove Landscaping & Nursery at 15111 S Mallard Lane Fort Myers, FL 33913 in the business conference room. Please contact Tina M. Ekblad, Director of Planning at Stearns Weaver Miller Law Firm for additional information, tekblad@stearnsweaver.com or 850-354-7624.
AD#5180683 March 25, 2022